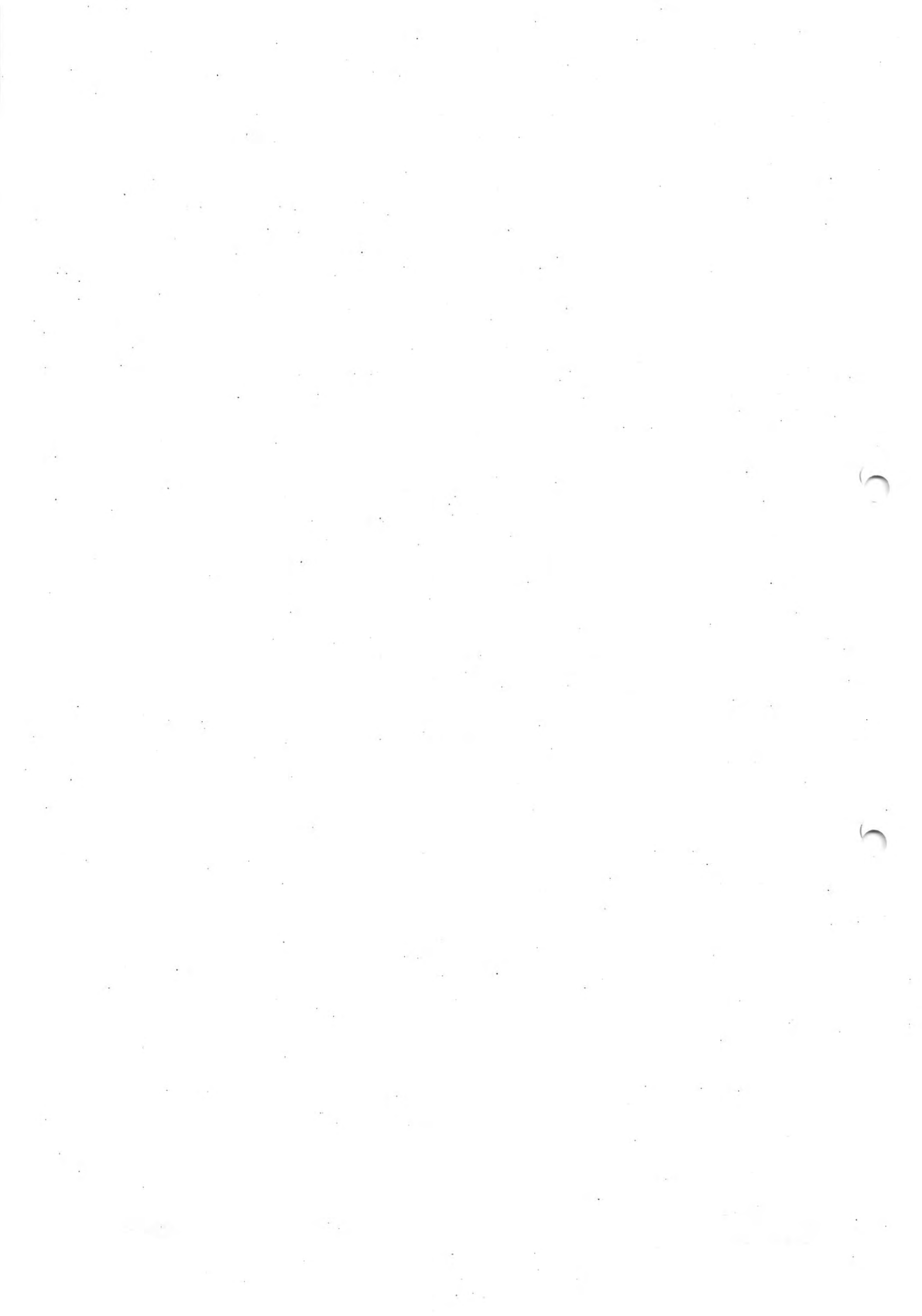


15.	<p>Progress Claims</p> <ul style="list-style-type: none"> <li>The Progress Claim for February 2014 is looking at being -</li> <li>Formal claim to be submitted by Hewatt</li> </ul>	
16.	<p>Quality Assurance</p> <ul style="list-style-type: none"> <li>HPs: 280 raised; 5 open</li> <li>NCRs: 30 raised (25 Quality; 5 Safety)</li> <li>SMEC are awaiting some information on a few Hold Points and NCRs</li> <li>Hewatt have submitted 5 NCRs since the last meeting. noted this shows that Hewatt's QA system is working.</li> </ul>	
17.	<p>Working hours and days</p> <ul style="list-style-type: none"> <li>Hewatt's Easter Shutdown (for other projects) will be from 18 – 27 April 2014 (inclusive). It is anticipated that HPD2 will be completed by this stage, however if not work may continue on non-Public Holiday days in order to complete the Project (RDOs will be banked for later if this is the case).</li> </ul>	
18.	<p>Construction Matters</p> <ul style="list-style-type: none"> <li>Post-Meeting Note: the treatment for the ends of roads stubs still needs to be addressed. R D Gossips Pty Ltd have provided details for other projects. EDD to follow up with Gossips.</li> <li>Post-Meeting Note: EDD have requested that a photographic record of the profile of the as constructed pavement structure is produced for each of the road stubs. SMEC will produce this record.</li> </ul>	JH
19.	<p>Subcontractors</p> <ul style="list-style-type: none"> <li>Downer will be subcontracted to complete the asphaltting works for the Project. Hewatt will forward the subcontract with Downer to SMEC.</li> </ul>	Hewatt
20.	<p>Next Meeting(s)</p> <ul style="list-style-type: none"> <li>Friday, 21 March 2014 – Site Meeting</li> </ul>	
21.	Other?	



## Husband, John

---

**From:** @brownconsulting.com.au]  
**Sent:** Wednesday, 5 March 2014 12:23 PM  
**To:** @hewatt.com.au;  
**Cc:** ; Husband, John; Hancock, Patrick  
**Subject:** C12022 Horse Park Drive - Partial OA for SP#2  
**Attachments:** CoO-TTE13-HE1-814-Rev C.pdf; SP2xSP4 Jacka TTM endorsed Rev C.pdf

Following further discussion with Roads ACT about the Operational Acceptance Handover for Separable Portion #2 we have been informed we have obtained part handover, as indicated below:

TAMS is prepared to give conditional OA to the signalised intersection so the road can be opened, noting that not any part of the box culvert structure or surrounds including the entrances to the culvert will be accepted at this stage

Based on the above the opening of Horse Park Drive down to the Jacka intersection can occur provided the following is adopted:

- The TTM measures approved for such an opening are installed. Please refer to the attached approved TTM plan
- The SMA surface within SP#2 still needs to have a ride quality test undertaken. As agreed in our meetings the ride quality was delayed until such time as the SMA was placed in SP#4
- Works to rectify the culverts still need to be undertaken
- Any excavations still remaining open within SP#2 (e.g. watermain connection point) are adequately protected and sign posted. Village Building may need to be made aware of this opening as their connection midway between the bridge and Amaroo Playing Fields entrance is located within the asphalt path.

Should you have any questions please do not hesitate to call

Regards

**| Senior Engineer - Road & Traffic**  
 Brown Consulting (ACT) Pty Ltd

# BROWN

GPO Box 261, Canberra, ACT, 2601  
 Level 6, 121 Marcus Clarke Street, Canberra City, ACT, 2601

*Smart Consulting*

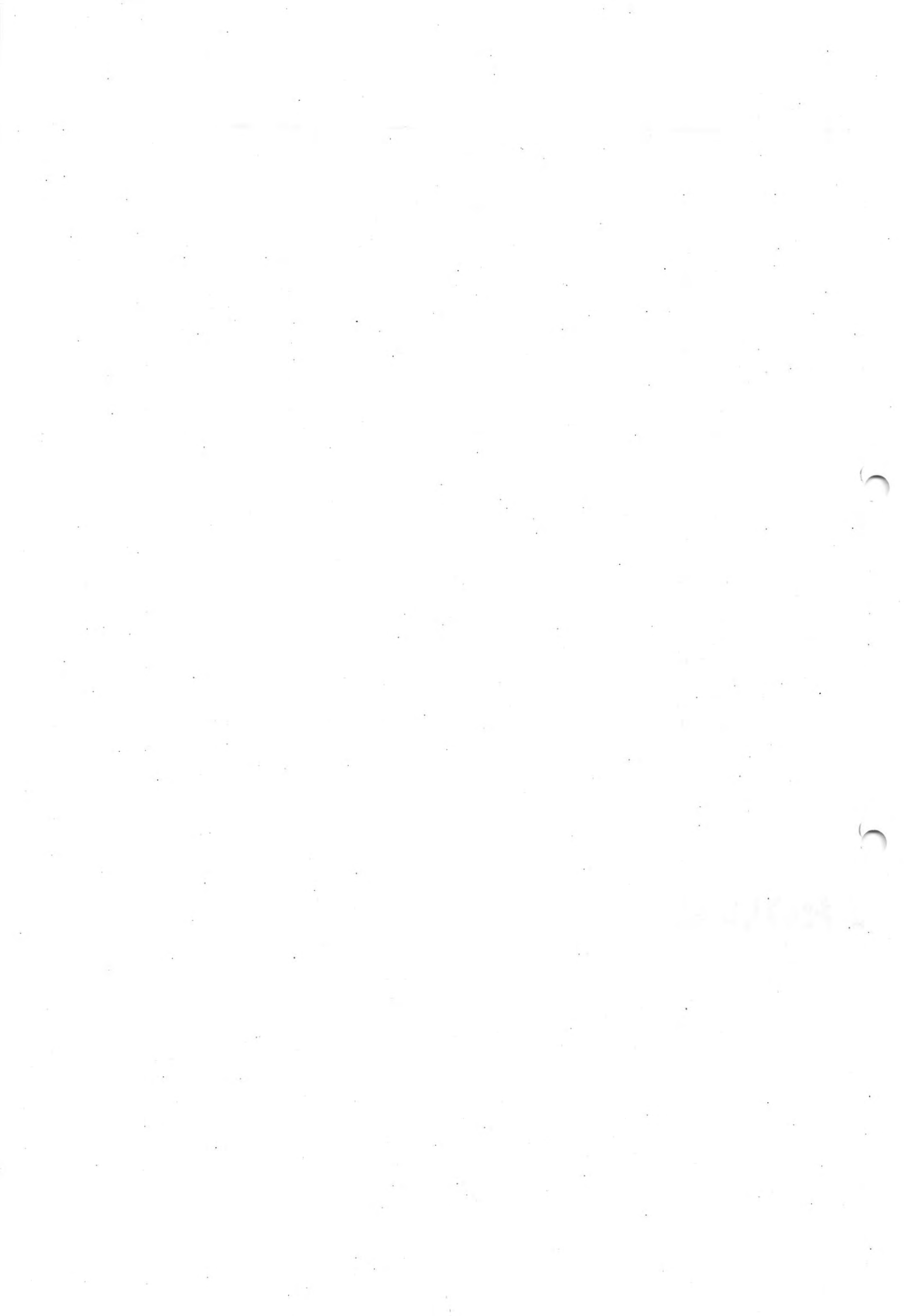
t. 02 6211 7100 | f. 02 6211 7199

e. [j@brownconsulting.com.au](mailto:j@brownconsulting.com.au)

[www.brownconsulting.com.au](http://www.brownconsulting.com.au)

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<b>TM/2013/7936.9</b>	<b>Roads ACT</b>
<b>TC/</b>	<b>TRANSMITTAL FORM</b>
<b>Project Name:</b>	<b>SP2 Handover Traffic Management</b>
<b>Organisation:</b>	<b>Territory Traffic Engineering</b>
<b>Contact Name:</b>	<b>David Logg</b>
<b>Contact Phone:</b>	<b>02 6241 3230</b>

Location: Horse Park Dr Jacka  
 Contractor: Hewatt Earthworks  
 TTMP No: TTE13-HE1-814-Rev-C

To	Date In	Date Out	Comments
TAMS	18/10/13		Revised TTM TTE13-HE1-814-Rev-C submitted for approval.
		18/10/2013	TTM Drawing TTE13-HE1-814-Rev-C is authorised subject to the following conditions
			The prescribed traffic control devices shown on this TTM drawing are authorised to be installed / displayed at all times from 11. 00am 18 October 2013 to 5.00 pm 31 December 2013 with the exception of the T1-5 Symbolic Workman sign which will only be displayed during the hours of 7am to 5pm Monday to Saturday or when workers are present on site. Outside of these times these signs shall be adequately covered.
			S1 Traffic Signal hold lines shall be eradicated as shown on the TTM drawing.

Roads ACT Level 7 Macarthur House Building, 12 Wattle St Lyneham ACT 2602

**TEMPORARY TRAFFIC MANAGEMENT- CONDITIONS OF OPERATIONS**

<b>Suburb:</b> Jacka	<b>Location:</b> Horse Park Dr
<b>Description of work:</b>	<b>SP2 Handover Traffic Management</b>

**GENERAL CONDITIONS**

- There are to be no variation to the conditions listed below, or on page 2 of this form, or to any approved plan, drawing or sketch.
- The traffic control devices as shown on the approved plan(s) must be maintained for the duration of the work.
- Traffic control devices that are left over-night must be delineated as per AS1742.
- The traffic control devices are to conform to AS1742.

**5. The following Emergency Services are to be notified 48 hours prior to commencement of work.**

**Australian Federal Police:** Telephone: (02) 62457224  
 Fax: (02) 62457316 with a copy of the approved drawing(s)

**ACT Ambulance Service:** Telephone: (02) 6207 9988

**ACT Fire Brigade:** Telephone: (02) 6207 8363

- Contractor to notify all directly affected parties, in writing, seven days prior to commencement of work (e.g. local business in the area)

**7. SPECIAL CONDITIONS (OFFICE USE ONLY)**

Traffic Management required after nominated hours:

Yes No **8. CONTACTS**

	Organisation	Contact Name	Phone (Work)	Phone (After hours)
Contractor	Hewatt Earthworks			
Superintendent	Brown Consulting			
Principal				

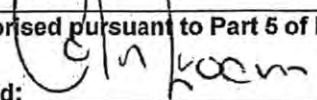
**9. DATES AND DRAWINGS**

Proposed start date of works	18/10/2013	Related standards and drawings TTE 13-HE1-814 & A.S.1742.3
Proposed end date of works	31/12/2013	
Works to be undertaken between	11.00 am 18 October 2013 until 17.00 31 <sup>st</sup> December 2013	

**10. RECOMMENDED FOR AUTHORISATION (To be signed by qualified person responsible for the TTM design)**

Organisation	Name	Phone	Signature
Territory Traffic Engineering	David Logg		

**11. APPROVAL**

Authorised pursuant to Part 5 of Road Transport (Safety and Traffic Management) Act 1999	
Signed:  G. N. Koom 28592	Date: 18/10/2013
(Delegate of The Road Transport Authority)	

**TEMPORARY TRAFFIC MANAGEMENT- CONDITIONS OF OPERATIONS****12. ROAD OPENING PERMIT REQUIRED?** YES  NO 

Any excavation on roads, medians, verges or car parks requires a Road Opening Permit. This can be obtained from the **Operational Support Unit (02) 6207 2500**. A copy of the approved TTM plan must be attached.

**13. ROAD CLOSURE NOTICE REQUIRED?** YES  NO 

Any total closure of a road or car park requires the completion of a 'Request for Temporary Road Closure' form and a minimum of 2 weeks' notice prior to the Closure. Details can be obtained from the **Operational Support Unit (02) 6207 2500**.

**14. PARKING IMPACT REQUIRES CONSULTATION?** YES  NO 

Work that affects the operation of car parks, parking meters, loading zones etc will require consultation with **Parking Operations (02) 6207 7200**. Formal agreement may be required.

Endorsed

Name and Position	Signature
-------------------	-----------

**15. LEASING OF PUBLIC LAND REQUIRED?** YES  NO 

Any use of public land for storage etc. will require a formal agreement with **Asset Use (02) 6205 7245**

Endorsed

Name and Position	Signature
-------------------	-----------

**16. WORK NEAR TREES CONSULTATION REQUIRED?** YES  NO 

Work near trees or landscape area will require consultation with **Canberra Urban Parks & Places (02) 6207 2500**. Formal agreement may be required.

Endorsed

Name and Position	Signature
-------------------	-----------

**17. LOADING ZONE IMPACT REQUIRES CONSULTATION?** YES  NO 

Work that affects loading zones may require consultation with the **Transport Workers Union, Canberra Branch (02) 6280 9353**. Formal agreement may be required.

Endorsed

Name and Position	Signature
-------------------	-----------

**18. TAXI ZONE IMPACT REQUIRES CONSULTATION?** YES  NO 

Work that affects a taxi zone may require consultation with the **Canberra Cabs Administration**  
Ph: (02) 6126 1500 Fax: (02) 6126 1549

Endorsed

Name and Position	Signature
-------------------	-----------

**19. TRAFFIC LIGHTS IMPACT REQUIRES CONSULTATION?** YES  NO 

Any work or TTM arrangement that affects the operation of a set of traffic light or is within 75m of a set of traffic lights, must be reported to **Traffic Lights Unit (02) 6207 5223**.

Endorsed

Name and Position	Signature
-------------------	-----------

**20. BUS ROUTE IMPACT REQUIRES CONSULTATION?** YES  NO 

Any work or TTM arrangement that affects a bus route must be reported at least 48 hours for minor and, 7 days for major works in advance to Action Buses, Assistant General Manager for the appropriate area(s). Formal agreement may be required.

**TUGGERANONG and WODEN; CITY, BELCONNEN and GUNGAHLIN: ph: 13 17 10 - please state suburb**

Endorsed

Name and Position	Signature
-------------------	-----------



**Temporary Traffic Engineering**  
 13155 Highway 101, Suite 100  
 PO Box 541, Miramichi, N1V 1Y1  
 T: 506 841 3200 F: 506 841 0200

Designed By: **David Logg**  
 Design & Impact Certificate No: **5183010264**

The plan has been prepared in accordance with the requirements of the Traffic Management Act, R.S.Q. c. 66, and the Regulations under the Act, R.S.Q. c. 66, r. 101. The contractor is responsible for ensuring that the plan is implemented in accordance with the requirements of the Act and the Regulations. The contractor is also responsible for ensuring that the plan is implemented in accordance with the requirements of the Act and the Regulations.

Client: **HEWAT**

Location: **Herra Park Drive**  
 Project: **SPZ Handover Traffic Management**

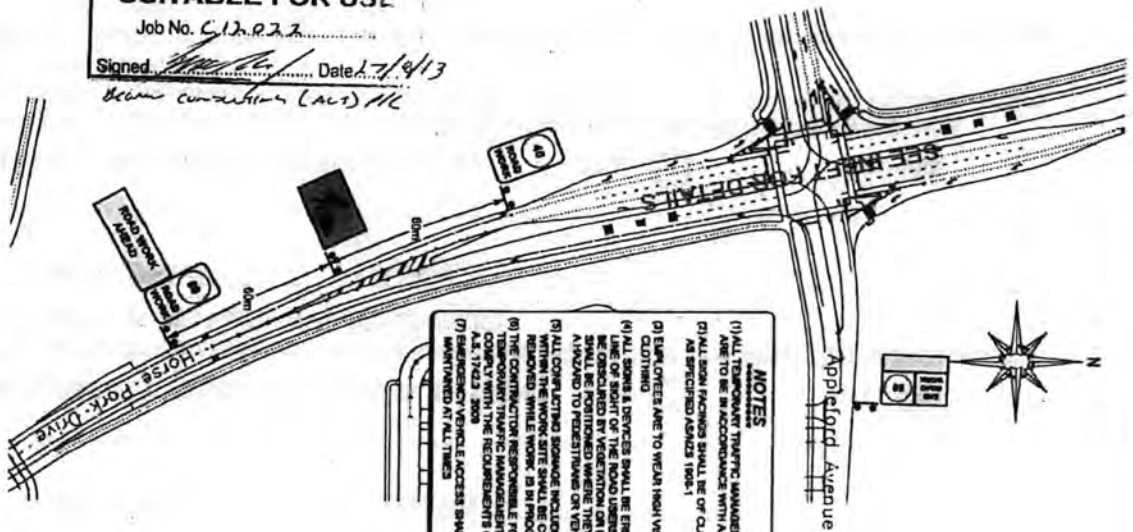


Temporary Traffic Management Plan  
 Designed to comply with A.S. 1742.3  
**TE13-HE1-816**  
 Code: **HT** | Compliance Date: **24/07/2013** | Rev: **6**

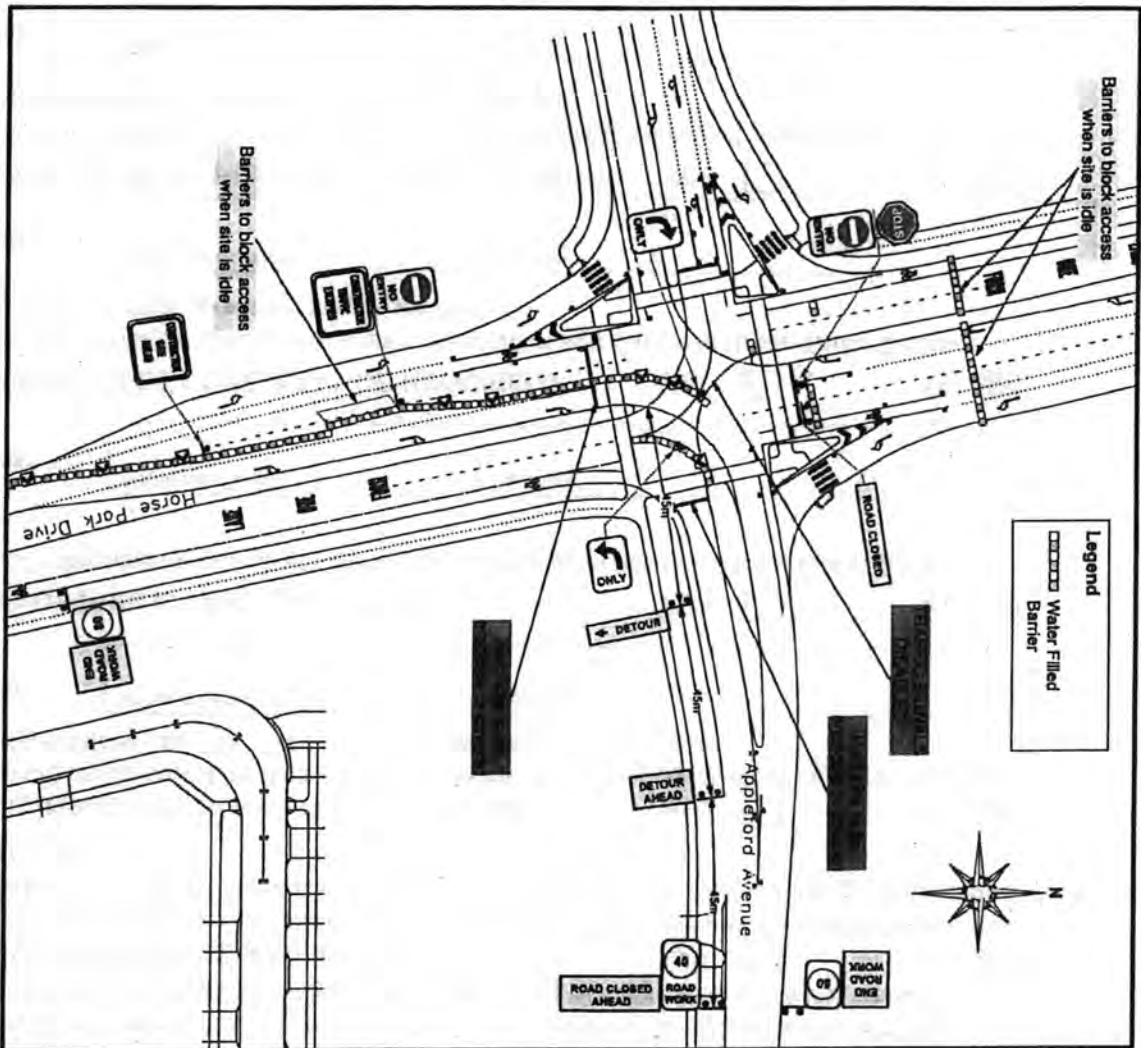
**SUITABLE FOR USE**

Job No. **C.12.R.2.2**

Signed: *[Signature]* Date: **27/4/13**  
 Before completion (A.S.)/IC



- NOTES**
- (1) ALL TEMPORARY TRAFFIC MANAGEMENT DEVICES ARE TO BE IN ACCORDANCE WITH A.S. 1742.3
  - (2) ALL SIGN FACINGS SHALL BE OF CLASS 1 MATERIAL AS SPECIFIED ABOVE 100-1
  - (3) EMPLOYEES ARE TO WEAR HIGH VISIBILITY CLOTHING
  - (4) ALL SIGNS & DEVICES SHALL BE ERRECTED WITHIN LINE OF SIGHT OF THE ROAD USERS. THEY SHALL NOT BE REMOVED FROM THE WORK SITE UNLESS THEY ARE AWAY FROM THE ROAD OR BEING MAINTAINED OR REPAIRED
  - (5) ALL CONFLICTING SIGNS INCLUDING SIGNING SIGNS WITHIN THE WORK SITE SHALL BE COVERED OR REMOVED WHILE WORK IS IN PROGRESS
  - (6) THE CONTRACTOR RESPONSIBLE FOR THE WORKSITE TEMPORARY TRAFFIC MANAGEMENT SHALL MAINTAIN THE REQUIREMENTS OF THE A.S. 1742.3
  - (7) EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES





# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



WEEKLY REPORT FOR WEEK ENDING: 1 March 2014

1. **WHS**
  - a. Site inductions continuing
  
2. **Traffic Management**
  - a. No changes – site vehicles continuing to use main carriageway for access throughout Project.
  
3. **Design**
  - a. *Raising of Telstra Pit at CH40 (RFI104A)* – Telstra are preparing a quote for approval;
  - b. *Rock retaining wall footing clash with Stormwater Line B (RFI109A)* – the retaining wall termination details are being reviewed by Brown;
  - c. *Confirmation of changes to pavement design (RFI112A)* – Hewatt have requested that the design of the SMA layer and the prime/spray seal be confirmed;
  - d. *Site visit from Brown Consulting* – SMEC and Brown carried out a site walk through during the week to resolve a number of design issues on-site. The issues raised were promptly resolved by Brown with a revised design model being issued to Hewatt by SMEC.
  
4. **Construction**
  - a. DGB base layer placed from HPD1 interface to Mirrabai intersection,
  - b. Street light columns and lanterns installation 95% complete. Cabling of power supply to the street lights to be completed;
  - c. Earthworks and setting out of shared path continuing;
  - d. Subsoil drain high end and intermediate riser flushing points being installed;
  - e. W-beam guardrail and handrail installation continuing at the bridge, guard post holes completed and barrier fence footing completed on western side;
  - f. Preparation of base for decomposed granite the guard rail at the bridge approaches;
  - g. Concrete infill in traffic islands commenced;
  - h. Earthworks and set out for the shared and equestrian paths under the bridge completed and construction of footing for retaining wall commenced;
  - i. ActewAGL have completed the power supply cable from Casey substation to the mini-pillars at Road 04 and Mirrabai Dr intersections;
  - j. Kerb construction on Casey bound carriage way and for the traffic islands at Mirrabai intersection completed;
  - k. Base cover slabs for R sumps installation – 85 % Complete;
  - l. Sewer manhole vacuum test completed for S19 and S18;
  - m. Stone pitching removed from south west batter at the bridge;
  - n. Topsoiling and landscape activities continuing.
  
5. **Meetings**
  - a. Brown Consulting visited site in Tuesday 25 February 2014 to discuss and resolve design issues;
  - b. Sewer vacuum test held with ActewAGL on Tuesday 25 February 2014;
  - c. SMEC's landscape sub-consultant, dsb Landscapes, visited site on Friday 28 February 2014.

## 6. Issues

- a. *SMA/Pavement Changes* – a direction has been given by EDD to assume an SMA layer thickness of 30mm, instead of 40mm. Confirmation of the design changes are yet to be finalised;
- b. *Excess material potentially requiring disposal* – SMEC and Hewatt are working to lose most material on-site where possible;
- c. *Interface with Springbank Rise (ISS002)* – Hewatt are to make good the disturbed areas from trenching and are in correspondence with Lend Lease regarding topsoiling/landscaping Lend Lease's stockpiles.

## Payments

- a. The Progress Claim for February 2014 is due on Friday 7<sup>th</sup> March 2014.

## 7. Activities Planned for the Upcoming Fortnight

- a. Continue placement DGB for base course to CH1400;
- b. Replace stone pitching at south west batter at the bridge and complete western end of the floodway;
- c. Continue earthworks for shared and equestrian paths under the bridge and construct the footing for retaining wall;
- d. Landscape activities to continue across site;
- e. Connection of power supply from ActewAGL's mini-pillars to the streetlights and traffic lights;
- f. Continue with preparation of the subgrade base for the shared path ;
- g. Kerb construction Jacka bound carriageway and Road 4 traffic islands;
- h. Construct flushing points for sub soil high end and intermediate risers;
- i. Commence concrete foot paths and approaches at the bridge;
- j. Complete sub base for decomposed granite area at the bridge approaches;
- k. Continuing construction of shared path;
- l. Sewer vacuum test for remaining manholes programmed for Wednesday 5<sup>th</sup> March;
- m. Continue with concrete infill of traffic islands;
- n. Complete installation of guardrail posts and barrier on north east side of bridge in hard ground.

Superintendent's Representative  
Horse Park Drive Extension, Burrumarra Ave – Mirrabai Dr  
SMEC Australia Pty Ltd  
E: [@smec.com](mailto:) Ph:

Photos



Sewer manhole vacuum test at S19



Spreading straw mulch and bitumen spraying at Swale 15



Removing stone pitching at the south west batter of the bridge

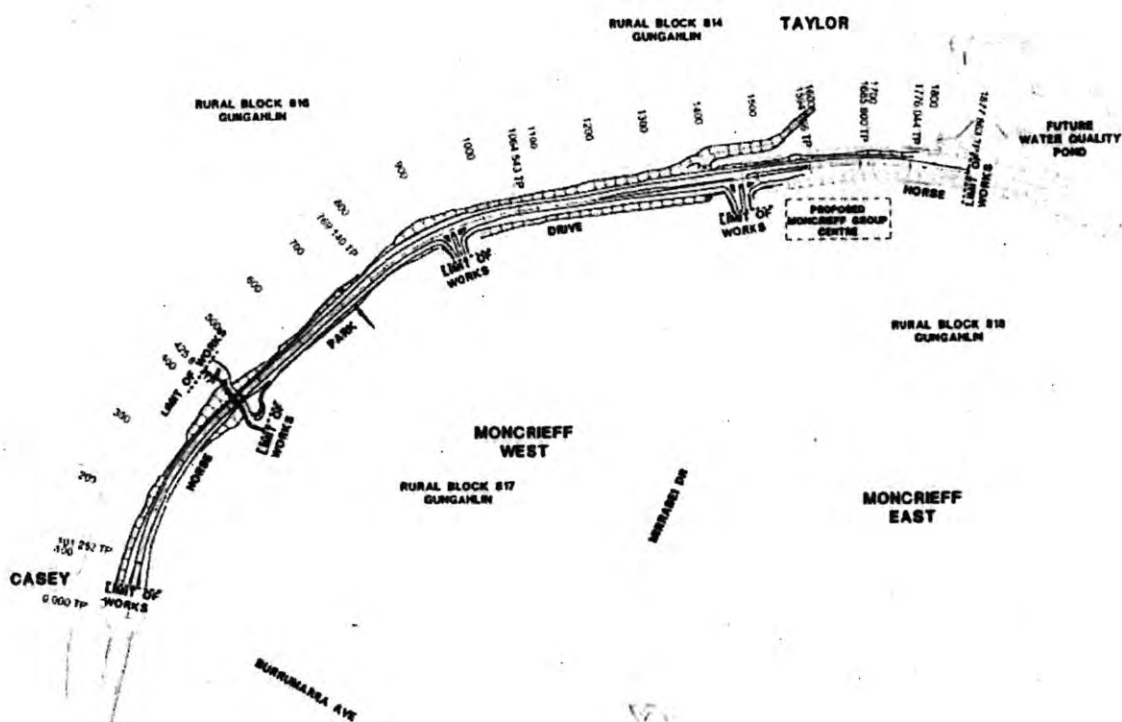


DGB placement at CH1600

Construction of:

# Horse Park Drive Extension Project Burrumarra Avenue to Mirrabai Drive

## Monthly Report



Project: Horse Park Drive Extension (Burrumarra Ave – Mirrabai Dr)

Construction Contract No: 2013.21048.110

Report No: 11

Reporting Period: February 2014

Senior Program Manager: Michael McGrath *Economic Development Directorate*

Senior Project Manager: John Husband *Economic Development Directorate*

Senior Project Officer: Patrick Hancock *Shared Services Procurement*

Contractor's Representative: *Hewatt Pty Ltd*

Superintendent's Representative: *SMEC Australia Pty Ltd*



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## 1. WHS

Nil Lost Time Injuries (LTI's) have been reported for February 2014 or for the Project to date.

It was noted in a Site Meeting that there have been a few occurrences of pedestrians walking within the completed section of HPD1 and vehicles entering the site inadvertently at Amaroo School.

SMEC's surveillance officer has continued to carry out a joint walk-through / safety inspection on a weekly basis with the Contractor's Safety Officer or Site Foreman.

The WHS Incident Register is included at Appendix A.

## 2. Progress of Work

Whilst February 2014 was a short month a significant amount of progress was achieved by Hewatt. The Project is moving into its final stages, with a lot of 'finishing' works being completed. This has put pressure on any design issues that have arisen during the month.

Hewatt have been working concurrently on SP1 and SP3 as per the revised dates for Practical Completion. A summary of the work completed in February 2014 is provided in Sections 2.1 and 2.2.

### 2.1. Separable Portion 1 & 3

#### **Bridgeworks:**

- Hand railing footing completed on Casey side of bridge ends;
- Concrete encasement completed for services adjacent to approach slabs.

#### **Pavement:**

- Sub-base placement was completed across site;
- Base placement commenced – 20% Complete (HPD1 to Mirrabai Dr completed);
- Kerb placement continuing – 70% Complete;
- Subgrade preparation commenced for trunk cyclepath;
- Concrete infills poured for traffic islands – 20% Complete;
- Earthworks and set out for equestrian and shared path adjacent to floodway completed.

#### **Carriageway & Road Furniture & Misc.:**

- Streetlighting installation of poles and lanterns continued – 90% Complete;
- Guardrail post hole installation was completed and guardrails are now 90% Complete. Rock was encountered whilst driving posts and alternative treatments were required.

#### **Floodway:**

- An area of stone pitching on the western embankment was removed and is to be replaced by Hewatt.

#### Underground Services:

- ACTEW Water pressure testing of the watermain and vacuum testing of the sewer was completed (and passed);
- ActewAGL completed cable and mini-pillar installation from the Casey substation to the mini-pillars at Road 04 and Mirrabei Dr;
- Stormwater Line B was completed beneath the bridge. This completes all stormwater works for the Project;
- Subsoil drains were rodded for blockages (and passed). Installation of high end and intermediate risers was commenced.

#### Landscaping:

- Topsoil placement continued along the verges of the road. Topsoiling works are approx. 95% complete;
- Bitumen Straw Mulching continued on-site;
- Excavation for tree pit holes continued. The holes were backfilled with sandy loam and a bund of mulch was installed around them.

## 2.2. Separable Portion 2 & 4

- Nil.

## 3. Issues and Project Risks

### 3.1. Key Issues

Current issues include:

- Springbank Rise (SBR) Interface (ISS002):** The current status of the various issues surrounding the Project's interface with the Springbank Rise Development are:
  - Hewatt completed trenching behind the kerb within Springbank Rise for the electrical connection to the Casey substation. Lend Lease have subsequently bitumen and straw mulched this area as part of larger scale works they were completing in the area. SMEC and Hewatt will meet with Lend Lease to discuss a number of issues regarding handover of the two projects;
- EDD Report on SMA within HPD1 & Outcomes for HPD2 (ISS018):** EDD has advised that the placement of base material should be carried out accounting for a 30mm thick SMA layer. In early March 2014, EDD confirmed that SMA10 at 30mm thickness will be used for HPD2 works. EDD have also requested Hewatt review the RMS Specification R121 and advise if they are adverse to using this specification
- Stone Pitching on the Western Bridge Embankment:** in February 2014, a section of stone-pitching was removed and to be replaced. In early March 2014, EDD requested that this area was not large enough and requested additional areas to be removed. This issue is ongoing;
- Raising of Telstra Pit at CH40:** there is an existing Telstra Pit at CH40 which is currently 0.5m lower than the FSL in this area. The pit is located adjacent to the trunk cycle-path and needs to be raised. As it is Telstra infrastructure, Telstra are required to raise this pit. However, it will be paid for by the Project. Telstra are currently looking for an ACT IRE Certified contractor to complete the works.

The Issue Register has been included in Appendix C



### 3.2. Key RFI's

There were a total of fourteen (14) RFIs raised in February 2014. The majority of these RFIs related to clashes or errors in the design of a number of elements coming together in the final stages of construction. SMEC and Brown worked together to respond to these RFIs and at the end of the month there was only one RFI open.

The significant RFIs addressed during the month were:

- **RFI100A: Design does not achieve minimum clearances for footpaths beneath the bridge:** the design cross-sections for the floodway, footpaths and retaining wall do not provide the adequate clearance for the shared path to the stone-pitched batter. The solution has been to widen the shared path to achieve the clearance requirements and raise the adjacent kerb to 'retain' some of the stone-pitched batter. This will involve the addition of reinforcement into the kerb;
- **RFI097A & RFI101A: Issues associated with the footpath and kerb transition at the bridge:** the interface between the bridge design and the earthworks formation did not align for the kerbing and footpaths. This was a design error that had the potential to delay works on site. SMEC and Brown worked together to arrive at an effective and timely solution. Construction of all elements associated with these changes will be completed in early March 2014;
- **RFI109A: Stone-pitched retaining wall clash with Stormwater Line:** the footing for the stone pitched retaining wall clashes with the top of Stormwater Line B. Brown has provided a revised model including a bridging detail over the stormwater pipe. The revised design also includes the provision of terminations of the retaining walls at either end;
- **RFI112A: Confirmation of changes to pavement design:** Hewatt raised an RFI in relation to ISS018, requesting that any changes to the SMA pavement be confirmed. The RFI also included clarification on the spray seal design. There have been no changes to the spray seal design;
- **RFI113: G4 Barrier post placement into rock:** a section of the guardrail post installation involved installing the posts into hard ground/rock. SMEC provided details of how to address this using the Australian Standard and an RMS Standard Drawing.

SMEC and Brown met on site in the final week of February 2014 to resolve a number of these RFIs and several other design issues that had the potential to delay upcoming works. The outcomes of this meeting included a revised design model and numerous directions/ instructions on how to address these issues.

The RFI register is included at Appendix F.

### 4. Time

The Letter of Acceptance was issued to Hewatt on 26 February 2013.

The initial construction period was for 62 weeks, with a landscaping consolidation period of 26 weeks, totalling 88 weeks. The Initial contractual Practical Completion (PC) date was 04 November 2014 (including Landscape Consolidation).

As the result of Hewatt's proposal to merge the completion of HPD1 & HPD2, the construction period has been revised to 56 weeks with a consolidation period of 26 weeks. The current date for PC for SP4 is 7 October 2014.

#### 4.1. Program and Progress

The latest revision to the construction program was received on the 14<sup>th</sup> February 2014.

Table 4.1: Programmed completion dates for Separable Portions 1 & 3

Portion	Description	Original PC Date	Revised PC Date	Current Program Completion Date
SP1	Burrumarra Ave – Ch 600	03 Dec 2013	3 Apr 2014	2 Apr 2014
SP3	Ch 600 – HPD1 Interface	06 May 2014	3 Apr 2014	2 Apr 2014

There were two EOT Claims in February 2014, totalling 2.5 days extension for inclement weather.

The remaining works (according to Hewatt's current program) are shown in the below table. A more detailed outline of the upcoming works can be found in Section 11.

Fortnight	Works to be carried out
3 Mar – 15 Mar	Completion of kerbs; Placement of <b>base</b> for main alignment and shared path; <b>Prime</b> for main-alignment and shared path, Stone pitching,
17 Mar – 2 Apr	<b>14/7mm Seal &amp; SMA</b> Placement for main alignment; <b>FGG AC</b> to be placed for shared path; <b>Lines &amp; signs</b> ; Bridge railings, Landscape <b>Planting</b> ; Handrailing and fencing.

The revised date for commencing asphaltting works for HPD2 has been pushed back to 31 March 2014. This will see construction works complete in the second week of April 2014 (potentially 11 April 2014). This date still requires a considerable amount of work to come together in a short time frame. The final completion date has the potential to be pushed out towards the end of April 2014.

The current Contract Program to Completion from Hewatt is included at Appendix H.

#### 4.2. Extension of Time (EOT)

To date, thirteen (13) EOT claims have been submitted by Hewatt. Two EOT Claims were raised in February 2014 due to inclement weather.

A total of 52 days have been claimed by Hewatt, with 36 days being approved.

The current dates for Practical Completion are set out in the table below.

Portion	Description		Original Date	Revised Date
SP1/3	Burrumarra Ave – HPD1 Interface	Civil Works	03 Dec 2013/ 06 May 2014	3 Apr 2014
SP2/4	Burrumarra Ave – HPD1 Interface	Landscaping	03 Jun 2014/ 04 Nov 2014	7 October 2014

The EOT Register is included at Appendix B.

## 5. Financial Position

Financial position to the end of February 2014 is reported below:

### 5.1. Progress Payments

Progress Payments certified to the end of February 2014:

Original Contract Value including Provisional Sums:

Approved Variations (incl. Quantity Overruns):

Current Approved Contract Value:

Value Certified To Date:

Value Previously Certified:

Progress Payment Claim No. 11 for February 2014:

*NB: all amounts are inclusive of GST.*

The following table shows Progress Payment Certifications to date:

Progress Payment No.	Month	Payment Certified (including GST)
1	Apr-13	
2	May-13	
3	Jun-13	
4	Jul-13	
5	Aug-13	
6	Sep-13	
7	Oct-13	
8	Nov-13	
9	Dec-13	
10	Jan-14	
11	Feb-14	
<b>Total to Date:</b>		

*Figure 5.1: Hewatt's Original and Revised Forecast Claim against Actual Claim, as at 28 February 2014.*

## **5.2. Claims and Variations**

SMEC's Variation Register is included at Appendix D.

## **5.3. Estimated Final Contract Value**

The Estimated Final Contract Value is being revised each month as the Project progresses. The Estimated Final Contract Value is continually tracked using the following methods:

1. Tracking of Provisional Quantity Items and updating estimated final quantities monthly (refer to *Table 5.3.1*);
2. Tracking of Provisional Sums and updating estimated final amount of each Provisional Sum following each claim (refer to *Table 5.3.2*);
3. Tracking overruns/underruns in quantities of Scheduled Items (refer to *Appendix E*);
4. Incorporating changes in the design and construction into the Estimated Final Contract Value summary table (refer to *Appendix E*). This will also generally include forecast Variations that have not yet been submitted by the Contractor (eg. additional wearing course works at Burrumarra Ave).

Table 5.3.1: Tracking of Provisional Quantity Items

Pay Item	Description of Work	Unit	Amount (excl GST)	Total Claimed to Date (excl GST)	% of Scheduled Quantity Claimed	% of Works Completed (SMEC Estimate)	Estimated Final Amount (excl GST)
<b>2.0 EARTHWORKS</b>							
205P1	Removal and Stockpiling topsoil	m3 (PQ)					
205P2	General Earthworks	m3 (PQ)					
205P3	Disposal of Spoil Material Off Site	m3 (PQ)					
205P4	Unsuitable Material	m3 (PQ)					
206P1.1	Imported Fill (min 3% CBR)	m3 (PQ)					
206P2	Replacement of Unsuitable with General Fill (min 3% CBR)	m3 (PQ)					
207P1	Preparation of Fill Subgrade	m2 (PQ)					
207P2	Preparation of Cut Subgrade	m2 (PQ)					
207P4.1	Bidim A34	m2 (PQ)					
208P1	Supply and Installation of Quarry Overburden Material	m3 (PQ)					
<b>3.0 UNDERGROUND SERVICES</b>							
303P1	Backfilling Under Roads, Paths and Driveways	m3 (PQ)					
303P3	Removal of Unsuitable Material from Trenches	m3 (PQ)					
303P7	Extra over for supply and placement of 5/7mm aggregate bedding material for sewer only as directed by the Superintendent	m3 (PQ)					
303P8	Extra over for supply and placement of 7/10mm aggregate bedding material for stormwater only as directed by the Superintendent	m3 (PQ)					
303P9	Geotextile A14 for use in pipe trenches	m2 (PQ)					
307P2.1	1 x 100mm diameter (TransACT) Road crossings only	m (PQ)					
<b>4.0 FLEXIBLE PAVEMENT CONSTRUCTION</b>							
403P3.5	CBR6	m3 (PQ)					
<b>8.0 INCIDENTAL WORKS</b>							
804P1.3	Fence Type VS (Vermin and Stockproof)	m (PQ)					
804P1.6	Adjustment to existing fences as directed by the Superintendent	Item (PQ)					
<b>Total Scheduled (excl GST)</b>							

Table 5.3.2: Tracking of Provisional Sum Items

Pay Item	Description of Work	Amount (excl GST)	Total Claimed to Date (excl GST)	% Claimed of Scheduled Amount	Estimated Final Amount (excl GST)
<b>001 PRELIMINARIES</b>					
001P5	Compliance and Audit Testing as directed by the Superintendent				
001P6	Additional Work as Directed by the Superintendent				
<b>2.0 EARTHWORKS</b>					
211P1	Geotechnical Engineer, Supervision and Site Testing				
<b>3.0 UNDERGROUND SERVICES</b>					
304P11.1	Works by the Sewer Authority to existing sewer services				
308P5.1	Works by the Water Authority to existing water services				
<b>8.0 INCIDENTAL WORKS</b>					
815P1	Works by Electrical Authority				
815P2	Works by Telstra				
815P3	Works by Jemena				
815P4	Works by Transact				
<b>Total Scheduled (excl GST)</b>					

The Estimated Final Contract Value summary table can be found at Appendix E. Figure 5.2 has been included to track the changes to the Estimated Final Contract Value. The increase in SMEC's Estimated Final Contract Value is due to the additional cost that will be claimed under the Telstra Works Provisional Sum, particularly for the raising of the existing Telstra Pit at CH40 (refer to Section 3.1 – Key Issues).

Figure 5.2: Monthly changes to SMEC's Estimated Final Contract Value compared to the Original Contract Value plus approved Variations

The current Estimated Final Contract Value is approx. \_\_\_\_\_ compared to the Original Contract Value of \_\_\_\_\_. The main reasons for this difference are:

- Variation for Pricing of Missing BoQ Items
- Variation for HPD1/2 Interface Scope of Works changes (
- Provisional Sum and Quantity Estimated Amounts (approx.

- Increase in stone-pitching quantities (approx.
- Changes to SMA Design (& increases in Base Material Quants.) (approx GST incl.).

## 6. Environment

Joint weekly inspections between SMEC's surveillance officer and Hewatt's representative are ongoing. There have been no site visits by ACT EPA. A visit from the ACT EPA Representative is planned for late March 2014. This visit will be to review Hewatt's implementation of environmental controls in accordance with the waterways licence.

There was a significant rain event recorded in February 2014, involving two 10-15 minute periods of +10mm of rainfall in a single afternoon. The site held up quite well considering. Photos of the rain event can be found in Appendix I.

## 7. Quality

As at 28 February 2014, a total of 276 Hold Points have been raised with 11 yet to be released. The 'open' Hold Points are awaiting works to be completed prior to inspection/release.

A total of 28 NCRs have been raised on the Project to date. This includes 20 Quality NCRs and 3 safety NCRs. Hewatt are expected to close out the 'Open' NCRs in March 2014.

A summary of the current status of Hold Points and NCRs can be found in the table below:

Hold Point Register Status	As at 28 February 2014	NCR Register Status	As at 28 February 2014
No. Raised	276	No. Raised	28
No. Open	11	No. Open	5

## 8. Traffic

At the commencement of the Project the site was fenced off to public pedestrian and vehicular access. The only interactions with public traffic is upon entry and exit from the site.

The main entry to the Site Compound is now adjacent to Amaroo School. There have been no incidents with public traffic. It has been noted that a small number of vehicles have inadvertently entered the site through this entry. These vehicles were turned around prior to the site compound.

## 9. Community

Throughout February 2014 Hewatt and SMEC were in correspondence with Lend Lease to inform him on progress of the electrical trenching required to be undertaken by HPD2 within Springbank Rise and of other issues including handover and landscaping.

The Public Liaison Register can be found at Appendix G.

## 10. Industrial Relations

The only issue concerning industrial relations in February 2014 was that Telstra proposed to use a subcontractor that did not have ACT IRE Certification to raise an existing pit. Correspondence with Telstra on this issue is ongoing.

## 11. Upcoming Works

The following works are planned for March 2014:

### Pavements:

- Completion of base material placement across site;
- Application of prime to the base material;
- Placement of two-coat sprayed seal (14/7mm);
- Completion of all kerbing and traffic island works;
- Completion of base placement for trunk cyclepath (and priming);
- Commencement of SMA works across the site.

### Bridgeworks & Floodway:

- Completion of all associated bridgeworks (incl. handrailing, joint sealing & anti-graffiti painting);
- Completion of stone-pitched retaining wall beneath bridge and adjacent equestrian and shared paths;
- Completion of stone pitching for bridge abutments.

### Services:

- Connect gas and electricity to existing services;
- Complete WAE for services and progress with handover to ACTEW Water.

### Road Furniture & Misc.:

- Completion of street-lighting and traffic lighting (and associated control cubicles);
- Completion of guard-railing either side of bridge.

### Landscaping:

- Completion of topsoiling, bitumen straw mulching and planting across site.



## **Appendices**

- A. WHS Incident Register
- B. EOT Register
- C. Issues Register
- D. Variation Register
- E. Estimated Final Contract Value Summary
- F. RFI Register
- G. Public Liaison Register
- H. Contract Program
- I. Photographs

## Appendix A. WHS Incident Register

## INCIDENT/NEAR MISS REGISTER - ALL



ID No	Type	Date	Location	Incident Description	Parties Involved	Consequences of Incident	Action Taken	Status
1	WHS Incident	10/05/2013	Site: CH0-500	A member of the public was seen walking on the site	Member of public, Hewatt	No injuries.	Signage and fencing at Site Entry	Closed
2	WHS Incident	23/05/2013	CH450	The temporary site fencing on the Casey Development side of the floodway was damaged/cut open.	Unknown	Damage to fencing.	Fencing was reinstated.	Closed
3	Observation	24/07/2013	Temporary floodway (CH420)	The sandbags used for shoring the access road over the temporary floodway were noticed to be slightly displaced. This was caused by settlement under loading of the access road. If left this could be a potential problem.	Identified by SMEC	N/A	The road crossing has been rebuilt and the sandbags replaced in a more secure formation. Ongoing monitoring will be undertaken.	Closed
4	WHS Incident	11/09/2013	CH1400 - Sewer manhole	Worker placing concrete for sewer manholes was working at heights without adequate safety measures	ACT Civil & Subcontractor	No injuries or accidents.	Hewatt advised ACT Civil of the incident and the work methods being used on site to pour the manholes was adjusted accordingly.	Closed
5	Environmental Incident	15/10/2013	Road 04 Intersection	A dump truck had an engine failure at approx CH840. The truck came to a safe stop with no other damage or injuries.	Machine Operator	Oil and coolant spill from the container and onto the road formation. This was cleaned up by Hewatt. There was no other damage or injuries.	Oil Spill was cleaned up by Hewatt and the incident was recorded	Closed
6	WHS Near Miss	16/10/2013	Embankment adjacent to Western Abutment	A compactor was working close to the edge of the steep embankment - the machine's front wheels got stuck on the edge of the embankment. The compactor was not meant to be working this close to the steep embankment.	Compactor Operator	The compactor required assistance to get out of the situation.	The occurrence was recorded as a near miss due to operator error.	Closed
7	WHS Incident	20/11/2013	HPD1-HPD2 Site Compound	Vandals broke into the site and caused significant damage to the site compound (broken windows), equipment and machinery (water truck graffitied).	Unknown vandals	No injuries or harm was caused to site personnel.	Police examined the vandalism and lodged a report.	Closed
8	WHS Incident	13/12/2013	Block 818	A fire was started in the unleased territory Block 818. The fire is thought to have been caused by mowing that took place within the block.	LDA mowing contractor; Hewatt Site Staff	No injuries or harm was caused to site personnel.	Hewatt attended the fire with fire extinguishers and a water cart. In January 2014, LDA inspected the mowing and Hewatt informed the representatives of the fire. LDA were to investigate.	Closed

**Appendix B. EOT Register**

**HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR Contract  
No: 2013.20148.110**



**EOT Register**

Date of Issue of Letter of Acceptance	26-February-2013			
Separable Portion No.	SP1	SP2	SP3	SP4
Original Duration (Construction Period + Consolidation Period)	40	66	62	88
Original Date for Practical Completion	3-Dec-13	3-Jun-14	6-May-14	4-Nov-14

**Revised Date for Practical Completion**

EOT Number	Date Raised	Contract Issue Number (if applicable)	Description	Raised By	EOT Claimed (No of Days)	EOT Granted (No of Days)	SP1	SP2	SP3	SP4	Date Hewatt Advised	Status
01	17/04/2013	N/A	Delays to works as a result of For Construction documentation not being provided in a timely manner.		14	0	3/12/2013	3/06/2014	6/05/2014	4/11/2014	17/06/2013	Closed
02	17/04/2013	N/A	Delays to works as a result of late receipt of Letter of Acceptance		2	0	3/12/2013	3/06/2014	6/05/2014	4/11/2014	17/06/2013	Closed
03	21/06/2013		Delays associated with Conservation Management Plan Issues		12	12	19/12/2013	19/06/2014	22/05/2014	20/11/2014	21/06/2013	Closed
04	21/06/2013		Wet Weather 12-14 June 2013		1	1	20/12/2013	20/06/2014	23/05/2014	21/11/2014	21/06/2013	Closed
05	27/07/2013		Wet Weather 24 - 25 June 2013		2	2	7/01/2014	24/06/2014	27/05/2014	25/11/2014	27/06/2013	Closed
06	31/07/2013		Wet Weather 16-19 July 2013		4	4	13/01/2014	14/07/2014	2/06/2014	1/12/2014	31/07/2013	Closed
07	22/08/2013		Wet Weather 6th & 8th August 2013		2	2	15/01/2014	16/07/2014	4/06/2014	3/12/2014	27/08/2013	Closed
08	4/09/2013		Wet Weather, Fri 30 August 2013		1	1	16/01/2014	17/07/2014	5/06/2014	4/12/2014	16/09/2013	Closed
09	25/09/2013		Wet Weather - 16-20 September 2013		5	5	23/01/2014	24/07/2014	12/06/2014	11/12/2014	26/09/2013	Closed
10	27/11/2013		Wet Weather - 12-18 November 2013		5	5	3/02/2014	5/08/2014	19/06/2014	18/12/2014	27/11/2013	Closed
N/A			Amendment to HPD2 SP1&3 Dates for Practical Completion to coincide with completion of HPD1				28/03/2014	26/09/2014	28/03/2014	26/09/2014	17/12/2013	

EOT Number	Date Raised	Contract Issue Number (if applicable)	Description	Raised By	EOT Claimed (No of Days)	EOT Granted (No of Days)	Revised Date for Practical Completion				Date Hewatt Advised	Status
							SP1	SP2	SP3	SP4		
11	22/01/2014		Inclement Weather (High Temperatures) 15-17 Jan 2014		1.5	1.5	31/03/2014	29/09/2014	31/03/2014	29/09/2014	23/01/2014	Closed
12	6/02/2014		Inclement Weather (High Temperatures) 29 Jan - 3 Feb 2014		2	2	2/04/2014	7/10/2014	2/04/2014	7/10/2014	6/02/2014	Closed
13	24/02/2014		Wet Weather 19-20 February 2014		0.5	0.5	3/04/2014	7/10/2014	3/04/2014	7/10/2014	26/02/2014	Closed
				TOTALS	52	36						

## Appendix C. Issue Register

**HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR**  
**Contract No: 2013.20148.110**



**ISSUES REGISTER**

Issue Number	Description	Details	Date Raised	Raised By	Action	EOT-Variation No (If Applicable)	Status
001	Environmental Approvals from ACT EPA	Hewatt are to obtain Environmental Approvals from the ACT EPA prior to commencing works. The approval process is taking a long time.	1/04/2013		ACT EPA Approved methodologies and plans on the 24th May 2013		Closed
002	Issues surrounding Springbank Rise (Casey Development) Interface	There were a number of initial concerns from Lend Lease regarding the boundary interface with the HPD2 Project. 1. Locations of stockpiles 2. Casey Headwall	19/04/2013		The interface with Springbank Rise requires ongoing management. Current issues include making good trenching for electrical within Springbank Rise Verge.		Open
003	DA Requirement - Conservation Management Plan	The Development Approval calls for the preparation of a Conservation Management Plan that allows for artefacts comprising HPD PAD1 to be salvaged. Prior to works commencing in and around HPD PAD1, the ACT Heritage Unit need to provide a approval.	11/04/2013		Approval received from ACT Heritage Unit	VO.01 & 02	Closed
004	Bicentennial National Trail (BNT) through Site	The current alignment of the BNT directs users (pedestrians, horses, bicycles) through the HPD2 construction site. A provision needs to be made to redirect the route to allow safety to the trail users	15/04/2013		The route was directed in consultation with BNT Representative SMEC relocated the signs previously located within HPD2 to locations agreed to with		Closed
005	Treatment of fill & cut areas in poor and good ground conditions	An alternative option to the treatment of unsuitable ground in cut and fill areas was proposed by Hewatt and reviewed by SMEC (in conjunction with Brown Consulting and Douglas Partners). The result of the investigation was to leave the design unchanged.	23/04/2013		The treatments were to remain as per the current design, with the exception of deep fill in good ground conditions, where the treatment on dwg 11 was approved		Closed
006	Approved TCD drawings not yet received	The TCD drawings require approval from Roads ACT. This formal approval has not occurred and therefore the approved drawings have not been issued to the Contractor	27/06/2013		Approved drawings received 8th August 2013		Closed
007	Swale designed within Rural Block 814	The main swale discharging water from the Project has been designed within Rural Block 814. No prior approval has been granted to work within this property. Land withdrawal is required and an agreement with the property owner is being negotiated.	29/06/2013		Agreements have been made with the new leaseholder of the land and construction access was granted on the 10th October 2013. The official Land Withdrawal will take place on the 14th November 2013. The fencing has now been completed.		Closed
008	Pricing of missing Pay Items from BoQ	During SMEC's design review a number of Pay Items were identified to be missing from within the Bill of Quantities. Hewatt are requested to submit prices for these missing Items for payment.	1/08/2013		Hewatt have provided rates for each of the missing items. These rates have been raised as part of V09. SMEC will review and close out the variation.		Closed



Issue Number	Description	Details	Date Raised	Raised By	Action	EOT-Variation No (if Applicable)	Status
009	Wearing course for Whitrod-Burrumarra Ave roundabout	SSP/Roads ACT have asked HPD2 to submit an indicative cost for placing the wearing course at the Horse Park Drive Roundabout at Whitrod/Burrumarra Ave.	1/08/2013		SSP advised on 25 Jan 2014 that these works will not be proceeding as part of HPD2. Roads ACT will complete these works under a separate contract.		Closed
010	Boundary Adjustment Issues along Road Corridor	A number of areas have been identified where the construction works for the Project encroach into surrounding properties. The floodway on the Taylor side of the bridge is designed within Block 816's boundary.	23/08/2013		The appropriate surveys and plans have been produced and forwarded to ACTPLA to commence the land withdrawal process with ACTPLA have commenced the land withdrawal process. Date for withdrawal is 4 February 2014. LandData will prepare the amended DP for the new Block.		Closed
011	Proposal to install Conduit Crossings at Road 04 and Mirrabai Dr Intersections	As part of the electrical supply to the streetlight and traffic light controllers, electrical conduit crossings will need to be installed at Road 04 and Mirrabai Dr. It is proposed all conduits be installed to prevent future damage to the completed works.	30/08/2013		Hewatt have completed the works and a Variation has been paid.		Closed
012	Interface with Ngunnawal 2C	The design for Ngunnawal 2C development on the southern side of Horse Park Drive includes a sound mound that encroaches into the HPD2 Project.	29/08/2013		Brown have responded to RFI063A and have provided advice/confirmation on a number of issues.		Closed
013	HPD1-HPD2 Interface Change in Scope	Due to the relative timings of the two projects, the transition between HPD1 and HPD2 is proposed to be constructed as a single operation.	5/09/2013		SMEC and Brown (Superintendents on HPD1) have met to discuss the division of responsibility for each Superintendent. A Limit of Works has been established between the two Projects. SMEC have issued a formal letter to Hewatt. Hewatt have raised a Variation for these works		Closed
014	Realignment of existing gas main at CH60 to tie into Shared Trench	The existing gas main along Horse Park Drive and across Burrumarra Ave is not in the location shown in the existing services pickup in the design drawings. The line needs to be connected into the shared trench.	1/10/2013		The gas main has been capped at Burrumarra Ave and will be connected into the shared trench alignment at CH60.		Closed
015	Excess Fill from Swale 15	Due to the delay in commencing excavations for Swale 15 (refer to ISS007), all general fill requirements have been satisfied and material from Swale 15 must be spoiled.	25/10/2013		A Hold Point has been released to allow spoiling operations on the Northern side of HPD at CH1440-1780. There was less excavated material than expected.		Closed
016	HPD1 & HPD2 Amalgamation	Hewatt have proposed to merge the two projects into one in order to bring the completion of HPD2 forward and for ease of construction.	8/11/2013		ACT Govt. have agreed to amend the dates for PC for the remaining SPs on HPD1 and HPD2. The two Project will remain separate. SMEC has issued a formal notice of decision to Hewatt.		Closed
017	Connection of Shared Trench to existing services at Burrumarra Ave (CH 60)	The design did not provide information on how to connect the shared trench to existing services.	14/11/2013		Telstra - subcontractor will connect to existing network; NBN Co. will terminate at NBN Co 8 Pit at CH60; Electrical - conduits are to be capped at CH60; Gas - to be connected to existing at Burrumarra Ave.		Closed

Issue Number	Description	Details	Date Raised	Raised By	Action	EOT-Variation No (If Applicable)	Status
018	Outcomes of SMA Investigations on HPD1	EDD engaged a consultant to prepare a report for the placement and use of SMA on HPD1. Outcomes of the report may influence the SMA to be used for HPD2.	7/02/2014	John Husband	EDD have advised SMA10 with 30mm specified thickness will be used. SMEC has issued Hewatt a letter instructing the above and requesting comments regarding the use of RMS R121. Hewatt have raised a number of queries with the use of R121.		Open
019	Handover & WAE for Practical Completion	The requirements for handover of the completed project will be tracked as an issue. HPD2 handover will be completed through Asset Acceptance	7/02/2014	John Husband	Hewatt has provided a draft schedule for handover and WAE submission.		Open
020	Existing Telstra Pit to be raised at CH40	The existing Telstra Pit located at CH 40 requires raising by approximately 500mm to the FSL. This pit connects the HPD2 Telstra conduit to the existing network of conduits along Horse Park Dr. The works require an accredited Telstra subcontractor.	10/02/2014		Telstra has prepared a quote for approx. to raise the pit. Hewatt and Telstra are in correspondence to ensure Telstra's subcontractor is IRE certified.		Open
021	Miscellaneous Design Changes and Revised Design Model	A number of issues with the design have been raised with the designers. SMEC and Brown conducted a site walk through to address a number of these issues. A revised design model has been prepared and so have a number of solutions to these issues.	25/02/2014		SMEC has issued Hewatt with the new design model and details of design changes.		Closed
022	Stone Pitching Finishes on Southern bridge embankment	EDD have raised issue with the finish of the stone pitching on the southern bridge abutment. Issues include protruding rock, waves in the finished levels and not in accordance with test panel.	15/11/2013				Open
023	HPD1/2 Potential Opening Event	The ACT Government has shown interest in organising an Opening Event for the completion of HPD1 & HPD2.	7/03/2014	John Husband			Open
024	Traffic Light use at Mirrabai Dr	Roads ACT have been asked to provide advice on how the traffic lights at Mirrabai Dr are to be dealt with. If Mirrabai Dr is not going to be used, the lights may remain non-operational.	7/03/2014	Michael McGrath			Open

## Appendix D. Variation Register

**HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR**  
**Contract No: 2013.20148.110**



**VARIATIONS - REGISTER**

Variation Number	Contract Issue Number	Description	Price Submitted (excl GST)	Price Agreed (excl GST)	Amount Certified to Date (excl GST)	Classification	Support Information	Status
		Quantity Overruns/Underruns						Agreed
01	003	Conservation Management Plan				Design/ Document deficiency		Closed
02	003	Delays associated with Conservation Management Plan				Latent/ Site Condition		Closed
03		Not used				Not used		
04	003	Site Visit by Heritage Consultant to advise on CMP				Design/ Document deficiency		Closed
05	002	Regrading of mounds between HPD2 & Springbank Rise				Latent/ Site Condition		Closed
06	N/A	Changes to the Watermain from Tender				Scope Change		Closed
07	N/A	Supply and Installation of Combined Usage Pole				Contractor Proposed Alternative		Agreed
08	N/A	Select CBR Changes from Design to Construction				Design/ Document deficiency		Closed
09	008	Pricing of Missing Pay Items from the Bill of Quantities				Design/ Document deficiency		Agreed
10	N/A	Supply of 375mm uPVC Sewer Pipe not used				Design Improvement		Closed
11	N/A	Anti-graffiti coating on bridge surfaces				Superintendent Request		Agreed
12	007	Survey Works for Fence Realignment at Swale 15				Design/ Document deficiency		Closed
13	N/A	Additional Works for the Floodway				Scope Change		Closed
16		Not used						
17	002	Additional Works associated with Casey Headwall (excl stone pitching)				Latent/ Site Condition		Agreed
18	017	Additional works with Gas Main from Ch60 - Ch20				Latent/ Site Condition		Closed
19		Widening of mowing strip along PD1 fence alignment						Agreed

Variation Number	Contract Issue Number	Description	Price Submitted (excl GST)	Price Agreed (excl GST)	Amount Certified to Date (excl GST)	Classification	Support Information	Status
21	017	Additional works with Telstra from Ch20 - Ch60				Latent/ Site Condition		Closed
22	N/A	Additional Length of PD1 Fencing with In-situ Footings				Limit of Accuracy		Closed
23	N/A	Additional works to provide drainage to subsoils and carriageway at the end of Mirrabei Dr				Design/ Document deficiency		Closed
24		Not used						
25	011	Additional Shared Trench Road Crossings at CH970 and CH1500				Design Improvement		Closed
26	N/A	Deduction for the use of Jute Mesh as opposed to Jute Mat				Contractor Proposed Alternative		Agreed
27	N/A	Civil works associated with providing Gas main stub to Ngunnawal as required by ZNX/Jemena				Design/ Document deficiency		Closed
29	013	HPD1 & HPD2 Quantity Adjustments for Changes in Scope of Works				Scope Change		Pending
30	N/A	Additional Shared Trench at East side of Mirrabei Dr				Superintendent Request		Closed
31	N/A	Additional civil & electrical works for electrical supply to streetlight and traffic light controllers (excl ActewAGL work)				Operational		Pending - SMEC
34		Deduction for use of SL82 instead of SL81 in islands				Design Improvement		Agreed
36	020	Raising Telstra Pit to Design Level at CH40				Latent/ Site Condition	Yes	To be claimed under 815P2
38	018	Change to SMA10 at 30mm and use of RMS R121				Design Improvement		Pending - SMEC
<b>TOTALS</b>								

## Appendix E. Estimated Final Contract Value Summary

Horse Park Drive Extension Project (Burrumarra Ave to Mirrabai Dr) - February 2014

### ESTIMATED FINAL CONTRACT VALUE

Principal: ACT Shared Services Procurement  
 Superintendent: SMEC Australia Pty Ltd  
 Contractor: Hewatt Pty Ltd  
 Contract No: 2013.21048.110

				Period Up To	end of Feb-2014
Section No	Description	Original Contract Value (excl GST)	Estimated Final Value (excl GST)	Difference	Quantity Overruns to Date
<b>Civil Works</b>					
		(1)	(2)	(3) = (2) - (1)	(4)
0	Preliminaries				
1	Provision for Traffic				
2	Earthworks				
3	Underground Services				
	<i>Excavation and Backfilling</i>				
	<i>Sewerage</i>				
	<i>Stormwater Drainage</i>				
	<i>Subsail Drains</i>				
	<i>Conduits</i>				
	<i>Water Supply Mains</i>				
4	Flexible Pavement Construction				
6	Concrete Kerbs, Footpath & Minor works				
7	Road Furniture				
8	Incidental works				
9	Landscape				
10	Road Signs				
11	Pavement Marking				
13	Traffic Signals				
14	Street Lighting				
16	Bridge Works				
	<b>Subtotal:</b>				
<b>Variations</b>					
	<b>Subtotal:</b>				
<b>Quantity Overruns/Underruns</b>					

Total (Excl GST): [

GST Applicable: [

Total (Incl GST): [

## Appendix F. RFI Register

# HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR Contract No: 2013.20148.110

## REQUEST FOR INFORMATION (RFI) - OPEN OR THIS MONTH



### Status Legend:

	Not Urgent
	Moderate Priority (1-2 weeks)
	Urgent (1-2 days)

RFI Number	Description	Date Raised	Issued to Designer?	Date issued to Brown	Response From Brown	Discipline:	Classification	Comment	Response Issued to Contractor	Status
100A	Proposal to shift KO to achieve clearance requirements for equestrian & footpaths	5/02/2014	No			Concrete Kerbs, Footpaths and Minor Works	Design Clarification		12/02/2014	Closed
101A	Pedestrian handrail footings on LHS of bridge (past approach slabs)	5/02/2014	Yes	6/02/2014	14/02/2014	Bridge Work	Design Error		17/02/2014	Closed
102A	Combined Usage Pole offset behind kerb	7/02/2014	No			Street Lighting	Construction Alternative		13/02/2014	Closed
104A	Raising of existing Telstra Pit at CH40	10/02/2014	No			Utilities	Other		13/02/2014	Closed
105A	Offset from kerb for push buttons on Traffic Signals	12/02/2014	No			Traffic Signals	Design Clarification		13/02/2014	Closed
106A	Use of SL82 instead of SL81 for PT7 (medians)	14/02/2014	No			Concrete Kerbs, Footpaths and Minor Works	Construction Alternative		17/02/2014	Closed
107A	Requirement for sign post sleeves	14/02/2014	No			Road Furniture	Specification Clarification		17/02/2014	Closed
108A	Additional works associated with the electrical connection to the SLC and TLCC.	14/02/2014	No			Utilities	Other		20/02/2014	Closed
109A	Rock retaining wall footing clash with Stormwater Line B	19/02/2014	Yes	20/02/2014	27/02/2014	Incidental Works	Design Clarification		27/02/2014	Closed
110A	Conflict between guardrail and light poles	19/02/2014	No			Road Furniture	Design Error		20/02/2014	Closed
111A	Confirmation of drainage backfill requirements behind stone-pitched retaining wall	20/02/2014	No			Incidental Works	Construction Alternative		20/02/2014	Closed
112A	Confirmation of changes to pavement design	21/02/2014				Pavement	Design Clarification			Open
113A	G4 barrier posts placement into rock	21/02/2014	No			Road Furniture	Construction Alternative		24/02/2014	Closed
114A	Clarification on Weakened Plane Joints	26/02/2014	No			Concrete Kerbs, Footpaths and Minor Works	Specification Clarification		27/02/2014	Closed
	Total = 14									



## Appendix G. Public Liaison Register

## PUBLIC LIAISON REGISTER - ALL



Liaison No.	Date Raised	Liaison Initiator	Person Contacted	Location	Description	Date Actioned	Action Taken	Status	Comment
1	29/04/2013	(SMEC)		Site - General	Numerous discussions have been held with [redacted] regarding the re-alignment of the Bicentennial National Trail throughout construction.	9/05/2013	Following meeting with [redacted] on-site and agreeing on a re-alignment, signage previously within HPD2 alignment was relocated along the new alignment	Closed	
2	2/05/2013		(Lend Lease - Springbank Rise)	CH0-450	Project Interface Meeting held at SMEC Offices to discuss potential interface issues between the Lend Lease Casey Development and HPD2	2/05/2013	Minutes of the meeting were taken and actions assigned to each party. This action will be ongoing for the most part of SP 1.	Closed	
3	29/05/2013			CH1400 -	Hewatt contacted [redacted] regarding access within his property to complete the designed works.		Ongoing meetings are being held with [redacted]	Closed	Refer to ISS007
4	13/06/2013			Telephone	Organised a meeting on 14/06/2013 to discuss fencing works associated with the Project on his property. [redacted] also advised he wished to move his sheep/cattle from [redacted]	14/06/2013	Meeting scheduled for 14/06/2013	Closed	
5	14/06/2013	Site (Hewatt-SMEC)			Meeting held with [redacted]. The farmer has asked to drive his stock across the site at the end of July; Fencing location was agreed as well as the installation of an additional gate.	25/06/2013	Gate installed and rules put in place to allow [redacted] to relocate his cattle and sheep.	Closed	
6	12/06/2013		John Husband	Email	[redacted] contacted the ACT Government to enquire about the timing of the Horse Park Drive Projects	18/06/2013	John Husband replied to [redacted] advising the estimated completion dates for the two projects.	Closed	
7	12/07/2013		John Husband		[redacted] and John met with [redacted] to discuss works designed within [redacted] and various approvals that may be required to conduct these works (including land withdrawal).	16/07/2013	Hewatt to set up pegs along intended boundary alignment; survey to be undertaken and ACTPLA to be contacted to initiate discussions. Another meeting to be held with soon.	Closed	
8	12/07/2013		(Lend Lease - Springbank Rise)	Email	[redacted] was asking about the timing for the completion of the HPD works.	16/07/2013	[redacted] advised [redacted] of the likely completion dates.	Closed	
9	16/07/2013				[redacted] and [redacted] met with [redacted] to show him the marked out pegs and to discuss locations of gates, etc.	5/08/2013	Ongoing actions: 1. Get survey plan to show ACTPLA; 2. Initiate withdrawal; 3. Attempt to set up	Closed	
10	12/07/2013	Member of Public	Hewatt Contractors	Hewatt Site Office	A member of the public called into the site office to ask about the expected completion date of the Project.	12/07/2013	Hewatt advised the person it would likely be completed by mid-2014	Closed	

Friday, 28 February 2014

Page 1 of 3

Liaison No.	Date Raised	Liaison Initiator	Person Contacted	Location	Description	Date Actioned	Action Taken	Status	Comment
11	5/08/2013		John Husband		Meeting with [redacted] to discuss potential to access property prior to land withdrawal. [redacted] did not agree as he is in the process of selling the property	5/08/2013	Hewatt were informed of the situation and alternative arrangements are to be made.	Closed	
12	7/08/2013		Patrick Hancock/John Husband	Email	[redacted] was wondering the staging of the two remaining HPD1 Projects and possible implications to traffic through Ngannawal.	7/08/2013	Patrick informed Ban the Jacka/Amaroo end will be completed 1st and then Stage 2 (Casey end).	Closed	
13	12/08/2013		T. Gordon (ACT Government)		T. Gordon attended the [redacted] meeting within the week commencing 12/8/13 to update the meeting on HPD1/HPD2 progress.		N/A	Closed	
14	8/08/2013	Member of the Public	Chief Minister Talk Back	N/A	A member of the Public asked a question during the Chief Minister Talk Back time about the timing of the HPD1 and HPD2 Project completion dates.	9/08/2013	A response was due to be issued on Fri 9/8/13.	Closed	
15	16/08/2013			Phone	[redacted] contacted [redacted] regarding works required within [redacted] (which he has a 'grazing license' on). [redacted] was happy for works to go ahead as long as he was notified and fences remained stockproof.	28/10/2013	Informed [redacted] Refer to Liaison No. 20	Closed	
16	19/08/2013			Phone	[redacted] contacted [redacted] regarding the sale of his land. He advised that settlement is still due on the 30th Sep 2013 and that [redacted] should call after this date and details of the new owner can be exchanged.	4/10/2013	[redacted] contacted [redacted] on the 4th Oct 2013. [redacted] gave the contact details of the new owner and informed [redacted] that the sale was likely to settle on the 4th Oct 2013.	Closed	
17	1/10/2013	(Twitter)	ACT Govt.	Twitter	[redacted] was enquiring about completion dates for HPD1 and 2.	2/10/2013	John Husband responded to the appropriate people within ACT Govt. to then give [redacted] an answer	Closed	
18	4/10/2013			Phone	[redacted] contacted [redacted] (new leaseholder of [redacted]) to initiate agreements about accessing his property for the construction of Swale 15 prior to the official land withdrawal. [redacted] was understanding and signed an agreement that was emailed to him a [redacted]	10/10/2013	[redacted] will keep [redacted] informed of any Project related activities that will likely affect his property.	Closed	
19	14/10/2013			Phone	[redacted] contacted [redacted] (who has his cattle on aglaiment in [redacted]) to inform him that fencing works for the land withdrawal area were commencing.	14/10/2013	Hewatt completed fencing works surrounding Swale 15 and have isolated the construction area.	Closed	
20	28/10/2013			Phone	[redacted] contacted [redacted] to inform him of works within [redacted] (on which he holds a grazing licence).	28/10/2013	Hewatt are completing works within the property. [redacted] relocated livestock to another paddock whilst works are being completed	Open	
21	13/11/2013	Sharon Harmer (ACTPLA)		Letter	The formal notice for the withdrawal of land from [redacted] was sent to [redacted]. The date of withdrawal will be 4 February 2014.	13/11/2013	N/A	Closed	
22	18/12/2013			Phone	[redacted] called up about a few problems with the fencing along the eastern side of HPD where he has a grazing licence on LDA land. There were 3 locations that needed fixing.	18/12/2013	Hewatt repaired the fences such that they were stockproof for the Christmas shutdown period. [redacted] returned [redacted] phone call to inform him that the fences had been fixed (a more permanent fix will be completed in 2014).	Closed	

Friday, 28 February 2014

Page 2 of 3

Liaison No.	Date Raised	Liaison Initiator	Person Contacted	Location	Description	Date Actioned	Action Taken	Status	Comment
23	16/01/2014	Hewatt	(Lend Lease)	Phona	Hewatt informed Lend Lease that trenching works within Springbank Rise would commence on Monday 20 Jan 2014. Lend Lease did not have any issues with this.	31/01/2014	None required. Lend Lease will be informed when works are complete.	Closed	
24	30/01/2014	(Lend Lease)		Email	I was asking about the likely completion date for Hewatt's trenching works within Springbank Rise	31/01/2014	I responded to Lend Lease, informing them that the trenching work would be completed within Springbank Rise by mid-week commencing 3/2/14	Closed	
25	13/02/2014		(Lend Lease)	Email	contacted to inform him that the Burrumarra Ave asphalt wearing course works would not be undertaken by the HPD2 Project. Therefore there wouldn't be TTMPs disturbing the entrance of Springbank Rise		N/A	Closed	
26	17/02/2014	(Lend Lease)		Email	I was wondering when the stockpiles were going to be blumen straw mulched as he was organising a TaMS inspection and the stockpiles would form part of this.	18/02/2014	has been in contact with I to coordinate these works. These works are exclusive of HPD2.	Open	
27	20/02/2014	Cyclist		Burrumarra Ave	A cyclist was looking for the Bicentennial National Trail and his GPS was directing him into the site. & directed him through Ngunnawal to get to Mirrabai ur.	20/02/2014	& directed him through Ngunnawal to get to Mirrabai Dr.	Closed	

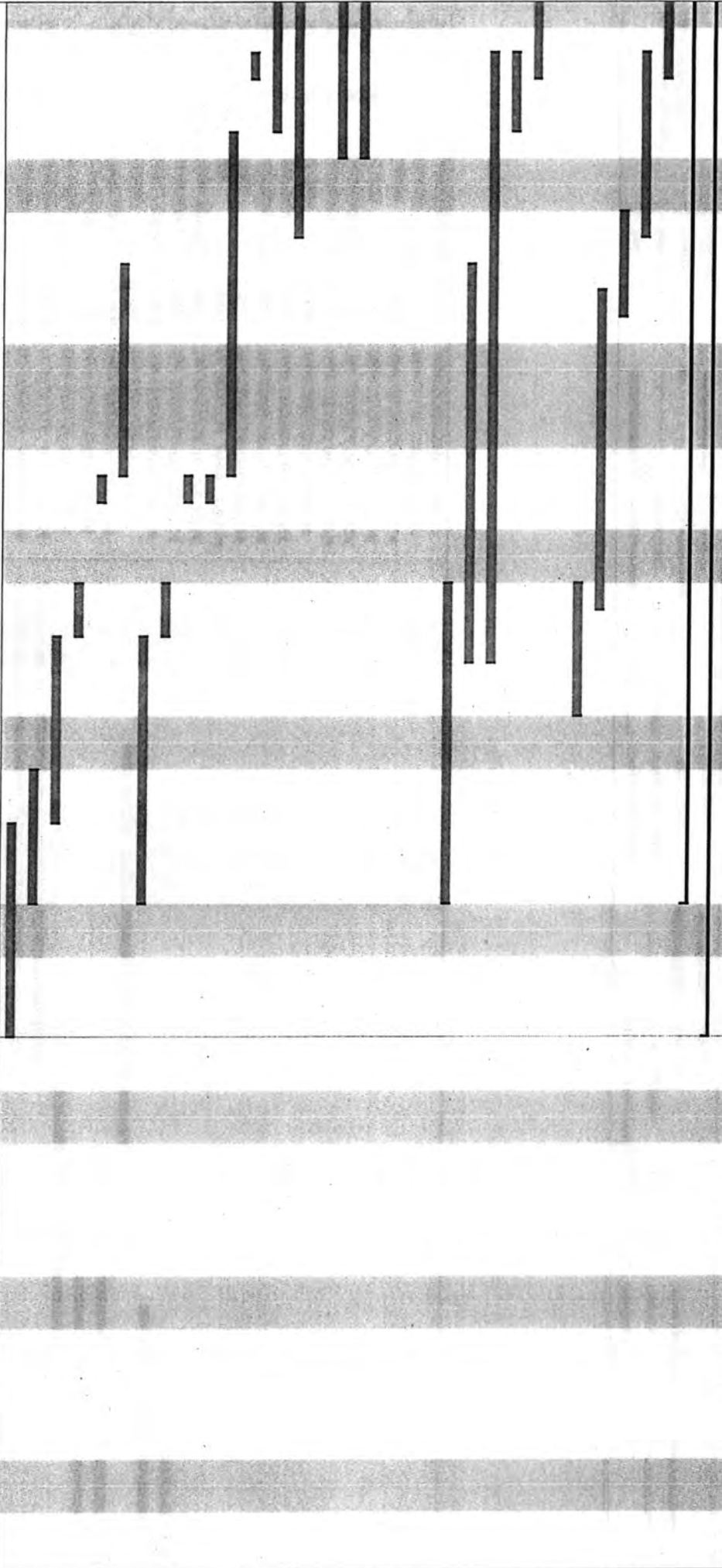
## Appendix H. Program

ID	Task Mode	Task Name	Duration	Start	Finish	19 Jan '14							26 Jan '14							9 Feb '14							16 Feb '14						
						F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T
1																																	
2		Horse Park Drive 2	50 days	Fri 17/01/14	Wed 2/04/14																												
3		Bridge Works	28 days	Sun 16/02/14	Fri 28/03/14																												
4		Guardrail	5 days	Wed 19/02/14	Tue 25/02/14																												
5		Relieving slabs	5 days	Tue 25/02/14	Mon 3/03/14																												
6		Mowing Strip	4 days	Mon 3/03/14	Thu 6/03/14																												
7		Red Granite	6 days	Thu 6/03/14	Mon 17/03/14																												
8		Bridge Railings	5 days	Mon 17/03/14	Fri 21/03/14																												
9		Stormwater	4 days	Sun 16/02/14	Wed 19/02/14																												
10		Retaining wall	5 days	Wed 19/02/14	Tue 25/02/14																												
11		Kerbs under bri	3 days	Tue 25/02/14	Thu 27/02/14																												
12		Stone Pitching	15 days	Tue 25/02/14	Wed 19/03/14																												
13		Concrete footp	9 days	Wed 5/03/14	Wed 19/03/14																												
14		PD1 Handrail	10 days	Mon 17/03/14	Fri 28/03/14																												
15		Common Trench	10 days	Fri 17/01/14	Mon 3/02/14																												
16		Subsoil Drains	10 days	Fri 17/01/14	Mon 3/02/14																												
17		Streetlight condui	10 days	Mon 3/02/14	Fri 14/02/14																												
18		Streetlight Columi	15 days	Mon 10/02/14	Fri 28/02/14																												
19		Traffic Lights	15 days	Mon 10/02/14	Fri 28/02/14																												
20		Subbase	10 days	Thu 23/01/14	Fri 7/02/14																												
21		Kerbs / Islands	13 days	Thu 13/02/14	Mon 3/03/14																												
22		Island Infills	8 days	Tue 18/02/14	Thu 27/02/14																												
23		Bridge Epoxy	1 day	Tue 25/02/14	Tue 25/02/14																												
24		Base	7 days	Fri 28/02/14	Wed 12/03/14																												
25		Prime	1 day	Thu 13/03/14	Thu 13/03/14																												
26		SAMI Seal - Bridge	1 day	Thu 13/03/14	Thu 13/03/14																												
27		14/7 Seal	2 days	Mon 17/03/14	Tue 18/03/14																												
28		AC SMA	8 days	Wed 19/03/14	Fri 28/03/14																												
29		Cyclepath base	4 days	Wed 5/03/14	Wed 12/03/14																												
30		Cyclepath prime	1 day	Thu 13/03/14	Thu 13/03/14																												
31		AC FGG	2 days	Mon 17/03/14	Tue 18/03/14																												
32		Topsoil	5 days	Wed 19/03/14	Tue 25/03/14																												
33		Planting	5 days	Mon 24/03/14	Fri 28/03/14																												
34		Lines/Signs/Rails	6 days	Wed 26/03/14	Wed 2/04/14																												

**Project: Horse Park Dr 2**  
Date: Fri 14/02/14

Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Deadline	
Split		External Tasks		Inactive Summary		Manual Summary		Progress	
Milestone		External Milestone		Manual Task		Start-only		Manual Progress	
Summary		Inactive Task		Duration-only		Finish-only			

23 Feb '14 2 Mar '14 9 Mar '14 16 Mar '14 23 Mar '14 30 Mar '14 6 Apr '14 13 Apr '14 20 Apr '14  
 S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T



Project: Horse Park Dr 2  
 Date: Fri 14/02/14

Task Split Milestone Summary

Project Summary External Tasks External Milestone Inactive Task

Inactive Milestone Inactive Summary Manual Task Duration-only

Manual Summary Rollup Manual Summary Start-only Finish-only

Deadline Progress Manual Progress

Appendix I. Photograph



*Image 01: Installation of streetlighting near Burrumarra Ave*



*Image 02: Rain event and performance of floodway, 19 February 2014*



*Image 03: Placement of base material west of Mirabei Dr*



*Image 04: Placement of concrete for islands west of Mirabei Dr.*



**Husband, John**

---

**From:** @brownconsulting.com.au  
**Sent:** Tuesday, 25 February 2014 5:11 PM  
**To:** Husband, John; Hancock, Patrick  
**Subject:** FW: C12022 Horse Park Drive - SMA  
**Attachments:** SEast print14021815480.pdf

John / Patrick

Please see response from Hewatt in relation to the stringing of the Horse Park 1 pavement within SP#4 (i.e. over the seal from kerb to kerb). As discussed on site this stringing was done by and prior to the skid resistance testing to determine what the thickness of the SMA will be if it is placed from lip of kerb to lip of kerb. Hewatt have proposed to place a minimum of 40mm SMA (as the Contract requires) and in areas where this will cause the SMA to be above the kerb they will roll it over. Whilst this is not desirable I would rather carry out this process than remove the seal and damage the surface prior to placement of the SMA, possible causing damage to the water proofing. Some of the areas measured up against the kerb are also likely to have been built up by the seal during placement where rolling may not have pushed the stone down as required or as seen within the carriageway.

Can you please review and comment if required

Regards

**| Senior Engineer - Road & Traffic**  
Brown Consulting (ACT) Pty Ltd

**BROWN**

GPO Box 261, Canberra, ACT , 2601  
Level 6,121 Marcus Clarke Street, Canberra City, ACT, 2601

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**From:** [mailto: @hewatt.com.au]  
**Sent:** Tuesday, 25 February 2014 4:00 PM  
**To:**  
**Cc:**  
**Subject:** RE: C12022 Horse Park Drive - SMA

Hi

I've spoken with Downer in regard to this matter.

Where the measurements showed peaks, nominal 40mm of SMA will be placed. I can't see this being an issue in the middle of the pavement. Against the kerb there will be a slight roll in the finish surface of the SMA to eliminate any trip hazard.

Regards

*Senior Project Engineer*



PO Box 94 HALL ACT 2618

M | T | F

[@hewatt.com.au](mailto:@hewatt.com.au) | [www.hewatt.com.au](http://www.hewatt.com.au)

Communication Honesty Accountability Respect Teamwork



---

**From:** [mailto:[@brownconsulting.com.au](mailto:@brownconsulting.com.au)]  
**Sent:** Tuesday, 18 February 2014 4:49 PM  
**To:**  
**Cc:** Bill Buckingham  
**Subject:** C12022 Horse Park Drive - SMA

As discussed on site today and I strung the pavement from one kerb to the other and took a series of measurements at various points to gauge what thickness of SMA will be placed if it was to finish at the kerb height. The measurements are attached in a pdf file.

Can you please provide comment on what you will be doing to ensure that the 40mm thickness is achieved, in particular in the low areas.

Regards

| Senior Engineer - Road & Traffic  
Brown Consulting (ACT) Pty Ltd

---

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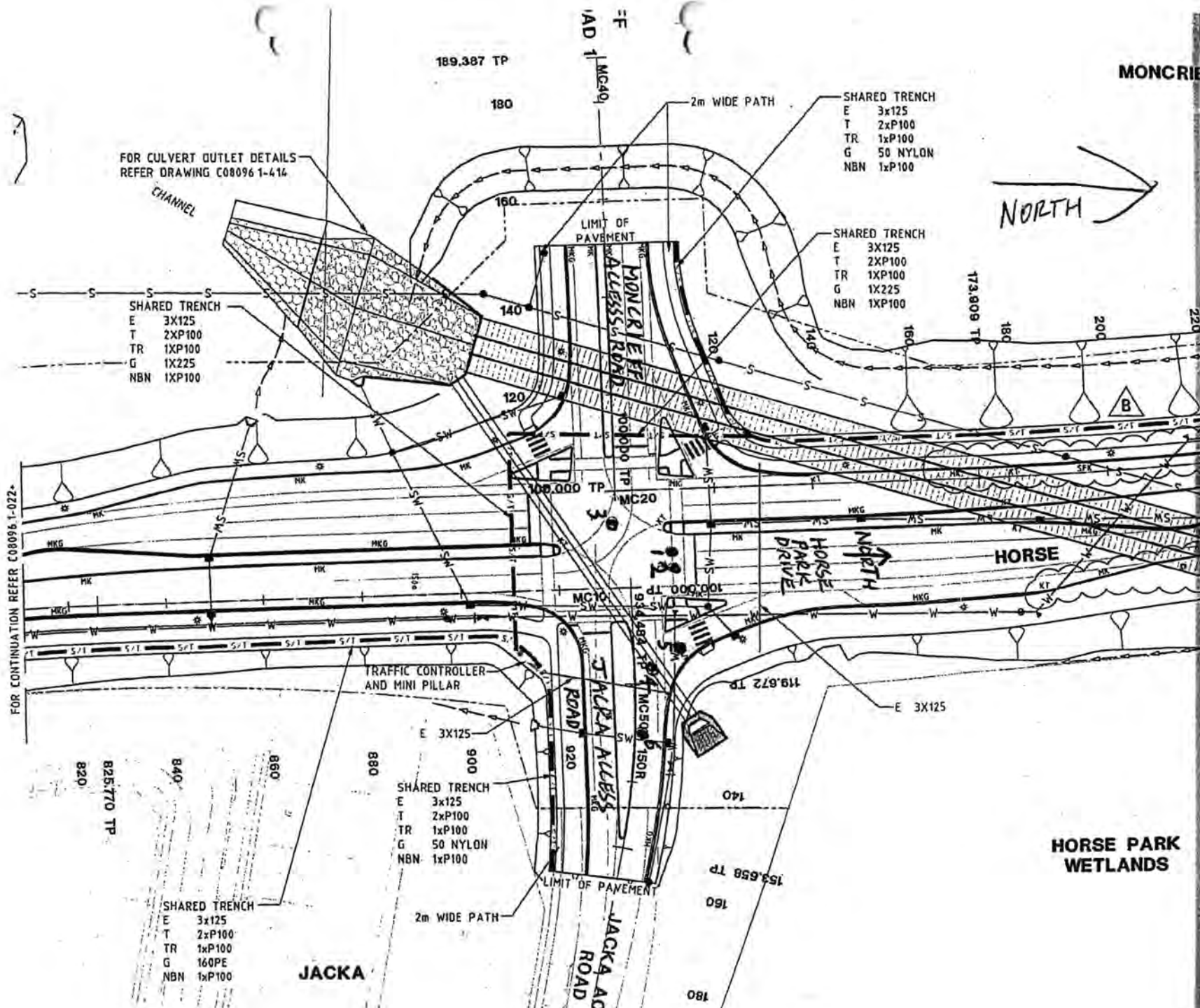
e. [@brownconsulting.com.au](mailto:@brownconsulting.com.au)

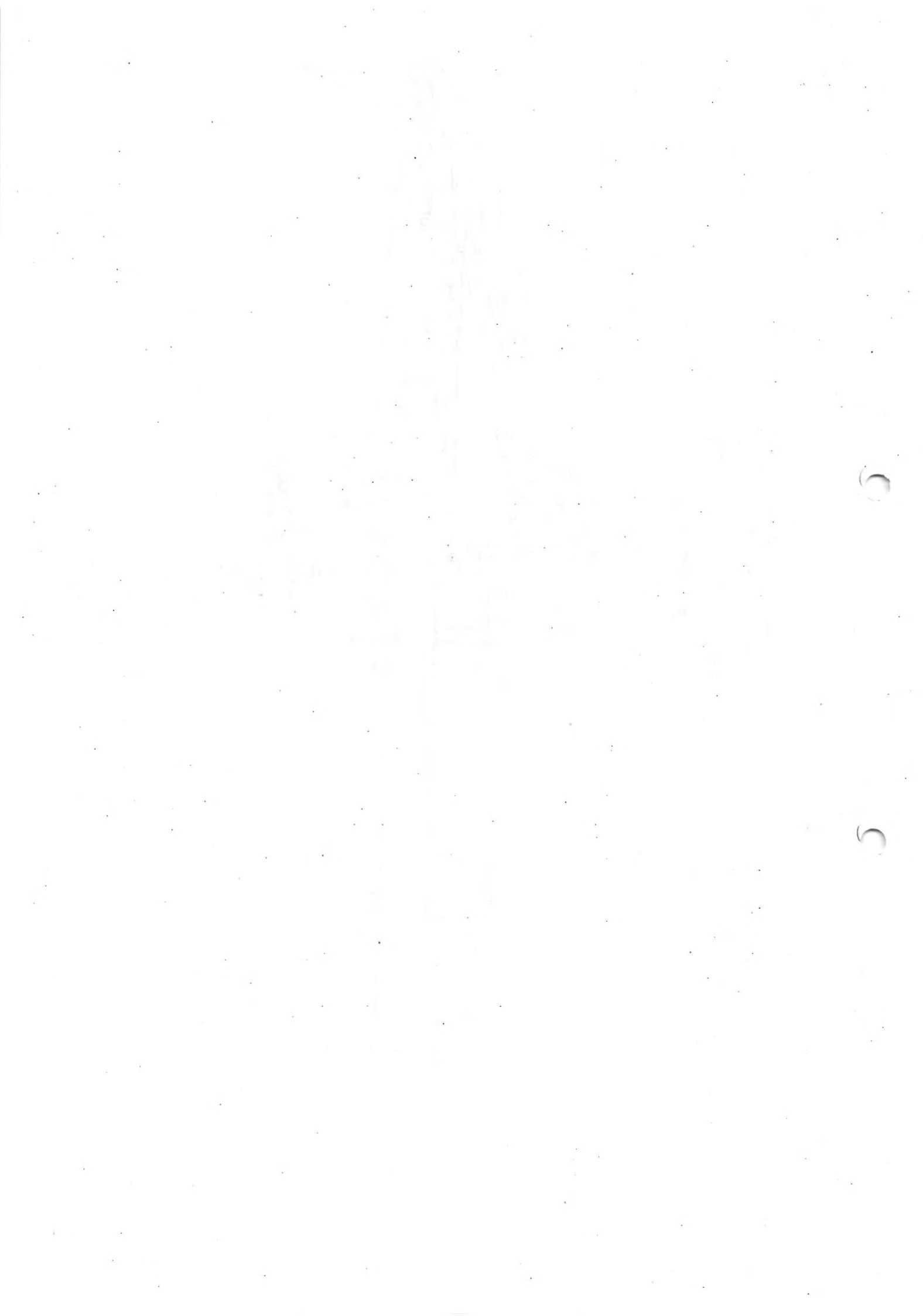
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**Husband, John**

---

**From:** @brownconsulting.com.au]  
**Sent:** Tuesday, 25 February 2014 4:53 PM  
**To:** Husband, John; Hancock, Patrick  
**Subject:** FW: C12022 Horse Park Drive - Defects List for SP#2

John / Patrick

FYI

Regards

**| Senior Engineer - Road & Traffic**  
 Brown Consulting (ACT) Pty Ltd

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**From:** Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]

**Sent:** Tuesday, 25 February 2014 4:48 PM

**To:**

**Cc:**

**Subject:** RE: C12022 Horse Park Drive - Defects List for SP#2

Hi

TAMS is prepared to give conditional OA to the signalised intersection so the road can be opened, noting that not any part of the box culvert structure or surrounds including the entrances to the culvert will be accepted at this stage.

Regards

Chris Deschamps  
 Street Light & Asset Acceptance Co-ordinator  
 TAMS

Ph 02 62076222

Fax 6207 6587

Mob

[chris.deschamps@act.gov.au](mailto:chris.deschamps@act.gov.au)

**From:** [<mailto:>] @brownconsulting.com.au]

**Sent:** Friday, 21 February 2014 3:45 PM

**To:** Deschamps, Chris

**Cc:**

**Subject:** C12022 Horse Park Drive - Defects List for SP#2

Chris

Following our meeting the other week we promised you an updated defects list which is now attached for the Civil Works (picked up during your walkover) and the box culvert. Please note the water issue for the culvert is still an on-going issue we are dealing with

Regards

**| Senior Engineer - Road & Traffic**  
Brown Consulting (ACT) Pty Ltd

---

**BROWN**

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Project	HORSE PARK DRIVE
Job No	C12022
Client	ACT Shared Services

Defect no	Description	Location	Issue Date	Discipline	Contractor Responsible	Due Date	Rectified date	Accepted Date	Status	Remark
1	Steel Member on box culvert inlet gate bent		30-Oct-13			30-Mar-13				
2	Pedestrian floodlight lanterns within SP 2 to adjusted so that lantern is horizontal	1602,1617,1618,1620, & 712	30-Oct-13			30-Mar-13				
3	Asphalt Cycle Path broken	RHS near Streetlight 1614 & 1613	30-Oct-13			30-Mar-13				
4	Adjustment works to streetlight under bridge (direction to follow)		30-Oct-13			30-Mar-13				
5	Headwall H11 to be patched		30-Oct-13			30-Mar-13	20-Feb-14			
6	Grind off bolts on the outlet of the box culvert		30-Oct-13			30-Mar-13	20-Feb-14			
7	Patch grout around handrail base plates on bridge		30-Oct-13			30-Mar-13	20-Feb-14			
8	Nuts on bridge (Direction to follow)		30-Oct-13			30-Mar-13	20-Feb-14			
9	Corner of the road to the school carpark and sports fields - Kerb and cracked asphalt to be replaced		30-Oct-13			30-Mar-13				
10	Patch chip on kerb LHS near the light under the bridge		30-Oct-13			30-Mar-13				
11	Patch around light Conduit	LHS near light under bridge under bridge where conduit meets path	30-Oct-13			30-Mar-13	20-Feb-14			
12	Remove paint from the path	under the bridge	30-Oct-13			30-Mar-13	20-Feb-14			
13	Cracked kerb	RHS just inside the project fence	30-Oct-13			30-Mar-13	20-Feb-14			
14	Backfill around street light poles and compact where required	Check each pole	30-Oct-13			30-Mar-13	20-Feb-14			
15	Placemakers (eg YellowPeg)	subsoil headwalls in batters	30-Oct-13			30-Mar-13	20-Feb-14			
16	Backfill wheel marks in verge	near 2x 825 pipe outlets	30-Oct-13			30-Mar-13	20-Feb-14			
17	Remove concrete	near 2x1050 headwall outlets	30-Oct-13			30-Mar-13	20-Feb-14			
18	Topup areas adjacent to cycle path where step greater than 25mm		30-Oct-13			30-Mar-13				
19	Undertake ride Quality of finished Pavement	(to be undertaken in conjunction with SP4)	30-Oct-13			30-Mar-13				
20	SMA defects at Jacka #1 intersection									
21										
22										
23										
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Project	HORSE PARK DRIVE
Job No	C12022
Client	ACT Shared Services

Defect no	Box Culvert	Issue Date	Discipline	Contractor Responsible	Due Date	Rectified date	Accepted Date	Status	Remark
1	Finish Rockwork at the entrance to the culvert								
2	Mowing strip required around the rockwork	17-Aug-13			30-Mar-14	19-Feb-14			
3	Clean up the rockwork excess concrete and mortar	17-Aug-13			30-Mar-14	19-Feb-14			
4	Remove bollard and rubbish	17-Aug-13			30-Mar-14	19-Feb-14			
5	Grout missing in the corner, the link slab and wall	17-Aug-13			30-Mar-14	19-Feb-14			
6	Grout rockwork	17-Aug-13			30-Mar-14	19-Feb-14			
7	Remove graffiti	17-Aug-13			30-Mar-14	19-Feb-14			
8	Fix silt fence around the entrance to the culvert	17-Aug-13			30-Mar-14	19-Feb-14			
9	Grout formwork holes	17-Aug-13			30-Mar-14	19-Feb-14			
10	Investigate the water coming into the culvert	17-Aug-13			30-Mar-14				
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# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



ACT

HEWATT  
THE PROFESSIONAL WORKS

WEEKLY REPORT FOR WEEK ENDING: 22 February 2014

## 1. WHS

- a. Site inductions continuing, 194 personnel to date.

## 2. Traffic Management

- a. No changes – site vehicles continuing to use main carriageway for access throughout Project.

## 3. Design

- a. *Raising of Telstra Pit at CH40 (RFI104A)* – Telstra have inspected the Pit and are preparing a quote for approval;
- b. *Rock retaining wall footing clash with Stormwater Line B (RFI109A)* – the retaining wall termination details are being reviewed by Brown;
- c. *G4 barrier posts placement into rock (RFI113A)* – posts could not be driven into hard ground. A pile hole will be excavated and backfilled with DGB, then the posts will be driven.

## 4. Construction

- a. Street light columns and lanterns installed to CH1600 and cable connections commenced;
- b. Earthworks and setting out of shared path continuing;
- c. Subsoil drain high end and intermediate riser flushing points being installed;
- d. W-beam guardrail and handrail installation continuing at the bridge;
- e. Preparation of base for decomposed granite at bridge approaches;
- f. Protection slab over services at the bridge completed;
- g. Manhole and plantation sumps for storm water Line B completed;
- h. Earthworks and set out for the shared and equestrian paths under the bridge have commenced;
- i. ActewAGL have completed the power supply cable from Casey substation to the mini-pillars at Road 04 and Mirrabai Dr intersections;
- j. Kerb construction for the traffic islands at Mirrabai intersection completed and infill of the islands has commenced;
- k. Base cover slabs for R sumps installation – 85 % Complete;
- l. Water main pressure testing completed and an inspection certificate issued by ACTEW Water;
- m. Topsoiling and landscape activities continuing.

## 5. Meetings

- a. Site Meeting was held on Friday 24 February 2014.

## 6. Issues

- a. *SMA Report by ex-RMS consultants for HPD1* – outcomes from the report produced relating to the placement of SMA14 for HPD2 pavement are yet to be determined. SMA placement planned for start of March 2014;
- b. *Excess material potentially requiring disposal* – SMEC and Hewatt are working to lose most material on-site where possible;
- c. *Interface with Springbank Rise (ISS002)* – trenching within Springbank Rise is completed and Lend Lease have been informed. Hewatt are to make good the disturbed areas.

**7. Payments**

- a. SMEC has certified Progress Claim. This included for Hewatt's January 2014 in variations.

**8. Activities Planned for the Upcoming Fortnight**

- a. Commence placement DGB for base course of the pavement;
- b. Continue earthworks for shared and equestrian paths, retaining wall and batter on Northern side of floodway;
- c. Landscape activities to continue across site;
- d. Connection of power supply from ActewAGL's mini-pillars to the streetlight and traffic;
- e. Prepare the subgrade base for the shared path ;
- f. Kerb construction carriageway and traffic islands;
- g. Construct flushing points for sub soil high end and intermediate risers;
- h. Commence concrete foot paths and approaches at the bridge;
- i. Complete sub base for decomposed granite area at the bridge approaches;
- j. Continuing construction of shared path;
- k. Sewer vacuum test programmed for Tuesday 25<sup>th</sup> March;
- l. Commence concrete infill in traffic islands;
- m. Installation of guardrail posts in hard ground.

Superintendent's Representative  
Horse Park Drive Extension, Burrumarra Ave – Mirrabai Dr  
SMEC Australia Pty Ltd  
E: [@smec.com](mailto:@smec.com) Ph:

**Photos**



Floodway after rain event on Wednesday 19 February 2014



W-Beam guardrail installation at southern approach to the bridge

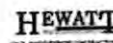


Excavation for retaining wall at the equestrian/shared path



Kerb and gutter, traffic island - CH1200

# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



## MEETING: SITE MEETING - MINUTES

**LOCATION:** Project Site Office, Horse Park Drive, Jacka  
**DATE:** Friday, 21 February 2014  
**TIME:** 10.30am

**ATTENDEES:**

**Economic Development Directorate:** Michael McGrath (MM)  
 John Husband (JH)  
 Michael Sergi (MS)

**Shared Services Procurement:** Patrick Hancock (PH)  
 James Cargill (JC)

**Brown:**

**SMEC:**

**Hewatt:**

No.	Item Description	Action
01.	<p>WHS</p> <ul style="list-style-type: none"> <li>JH noted that the information included in the Project's WHS Incident Register was being used for EDD WHS Reporting. The information that is currently being provided was commended.</li> <li>An ACT Govt WHS Audit is being organised by the ACT Govt. PH will provide a date for the audit when it has been confirmed.</li> </ul>	PH
02.	<p>Review Previous Minutes / Matters Arising</p> <ul style="list-style-type: none"> <li>is preparing a price for the works undertaken by Hewatt to provide electricity to the traffic light and streetlight controllers. All costs will be submitted under a single variation.</li> <li>informed Roads ACT (B. McHugh) about the revised date for PC. JH was going to ask if an opening event or similar was going to be planned by the ACT Govt.</li> </ul>	JH
03.	<p>Design</p> <ul style="list-style-type: none"> <li>RFIs: 111 submitted; 1 open</li> <li>spoke to re: push-button offset requirements. The 0.5m requirement is not in any standards or drawings, it is something that has required from experiences with the disabled. Roads ACT are looking to include the requirement in a standard drawing. This was responded to in RFI105A</li> <li>The existing Telstra pit that is currently low at the tie-in to Burrumarra Ave is being looked at by Telstra. Telstra are preparing a quote for their sub-contractor to repair the works. This will be claimed under the Telstra Provisional Sum Item. This will be included as an Issue so it can be tracked – it can have the potential to stay within Telstra for a while.</li> <li>Brown are currently reviewing RFI109A regarding the clash between the rock retaining wall footing and the stormwater line beneath the bridge. to check status of RFI.</li> <li>There have been a number of minor RFIs that have been</li> </ul>	

	<p>responded to throughout February 2014 that have been included in the RFI – Open or This Month register included with the meeting's papers.</p> <ul style="list-style-type: none"> <li>• EDD will meet with Roads ACT to come to a conclusion on the SMA nominal aggregate size and depth to be used for HPD2. JH said a change to SMA10 was likely and the depth of the layer would probably remain at 40mm. JH will provide confirmation mid next week (W/C 24 Feb 2014). <ul style="list-style-type: none"> <li>○ The depth of the SMA layer is important as it will determine the thickness of base course required to be placed. Placement of base material is likely to commence next week;</li> <li>○ A mix design will need to be submitted for the SMA prior to paving (programmed for start of March 2014). Cost implications will also need to be agreed prior to placement (Downer have advised Hewatt that SMA10 is more expensive than SMA14).</li> <li>○ will raise an RFI requesting confirmation of the SMA nominal size and to confirm seal requirements (prime + 2 coat seal or 2 coat polymer prime seal?). Prime programmed for 13 Mar 2014.</li> </ul> </li> <li>• SMEC intends to conduct a walk-through the site in order to help identify any design issues likely to be encountered. SMEC and Brown have planned to meet next week (w/c 24/2/14) on site to review a number of design issues.</li> </ul>	JH									
04.	<p>Site Compound</p> <ul style="list-style-type: none"> <li>• Nil.</li> </ul>										
05.	<p>Program</p> <ul style="list-style-type: none"> <li>• included an updated program with the meeting papers.</li> <li>• There are approximately 6 weeks until PC, with the current program showing completion on 2 April 2014.</li> <li>• There is a considerable amount of work to come together, with many of the finishing tasks requiring careful co-ordination with each other (with potential for delays);</li> <li>• noted wet weather during the week did not help progress, and if more wet weather did not hold up progress the 2 April 2014 was achievable.</li> <li>• March 2014 will be a busy month (base material, seal and SMA being placed).</li> </ul> <table border="1" data-bbox="388 1514 1172 1621"> <thead> <tr> <th colspan="3">Current PC Dates</th> </tr> </thead> <tbody> <tr> <td>SP1 &amp; SP3</td> <td>Civil, Burrumarra Ave – HPD1</td> <td>02 Apr 2014</td> </tr> <tr> <td>SP2 &amp; SP4</td> <td>Landscape, Burrumarra Ave – HPD1</td> <td>07 Oct 2014</td> </tr> </tbody> </table>	Current PC Dates			SP1 & SP3	Civil, Burrumarra Ave – HPD1	02 Apr 2014	SP2 & SP4	Landscape, Burrumarra Ave – HPD1	07 Oct 2014	
Current PC Dates											
SP1 & SP3	Civil, Burrumarra Ave – HPD1	02 Apr 2014									
SP2 & SP4	Landscape, Burrumarra Ave – HPD1	07 Oct 2014									
06.	<p>Environmental</p> <ul style="list-style-type: none"> <li>• There was a significant rain event on Wed 19 Feb 2014 with approx. 40mm of rain falling (including ~13mm in 15 minutes). There was also 43mm that fell over the weekend 15/16 Feb 2014. In some areas of Canberra, the Wednesday storm was supposedly equivalent to a 1:100yr or 1:20yr rain event.</li> <li>• Lend Lease had been placing topsoil upstream of HPD2 on Wednesday morning and there was a considerable amount of silt and topsoil that washed into and through the HPD2 site.</li> <li>• Generally, the site held up well;</li> <li>• No visits from EPA.</li> </ul>										
07.	<p>Industrial Relations</p> <ul style="list-style-type: none"> <li>• Nil.</li> </ul>										

08.	<p>Traffic</p> <ul style="list-style-type: none"> <li>No issues/comments on current traffic management.</li> <li>noted that if a prime is required separate to the 2 coat seal, then a haul road will be required adjacent to the carriageway for construction vehicles between the prime and the 2 coat seal.</li> </ul>	
09.	<p>Community</p> <ul style="list-style-type: none"> <li>informed Lend Lease that the wearing course works around the Burrumarra Ave roundabout would not be completed as part of HPD2 – therefore there would not be significant TTM that would affect Springbank Rise.</li> <li>is currently in correspondence with Lend Lease regarding the topsoiling and bitumen spray mulching for the Lend Lease stockpiles. These stockpiles form part of LL's limit of works which will be handed over to TaMS. LL will have a handover inspection in the near future.</li> <li>directed a cyclist through Ngunnawal who was attempting to access the Bicentennial National Trail through the HPD2 Site.</li> <li>The Public Liaison Register was included in the meeting's papers.</li> </ul>	
10.	<p>Staffing</p> <ul style="list-style-type: none"> <li>Nil.</li> </ul>	
11.	<p>Utilities</p> <ul style="list-style-type: none"> <li>The water main was pressure tested by ACTEW Water and passed. ACTEW issued an inspection certificate.</li> <li>Sewer vacuum test is scheduled for Tues 25 Feb 2014 with ACTEW.</li> <li>SMEC will inspect stormwater structures and CCTV for HPD2 and will issue a certificate indicating the stormwater has been constructed in accordance with standards and specifications.</li> <li>is preparing a WAE drawings and handover schedule. A few forecast dates for completion need updating and Hewatt will then issue to SMEC.</li> </ul>	
12.	<p>Issues</p> <ul style="list-style-type: none"> <li>Handover is currently being tracked as an issue and has been included in the Issues Register included with the meeting's papers.</li> <li>will add the raising of the Telstra Pit at Burrumarra Ave as an issue such that it can be kept on top of. It is currently with Telstra and has the potential to be stagnant there.</li> </ul>	
13.	<p>EOT</p> <ul style="list-style-type: none"> <li>EOT Status (12 submitted): 51.5 Days Claimed; 35.5 Days Granted</li> <li>Hewatt will submit an EOT Claim for wet weather on Wed 19 Feb 2014.</li> </ul>	
14.	<p>Variations</p> <ul style="list-style-type: none"> <li>Status (including BoQ over/underruns) (excl GST): Submitted;                      Agreed;                      Certified for payment (as at end of Jan '14)</li> <li>SMEC has issued responses to Variation Claim letters received from Hewatt.</li> <li>Variations claimed/certified in January 2014 included work undertaken in November and December 2014.</li> </ul>	

15.	<p>Progress Claims</p> <ul style="list-style-type: none"> <li>Hewatt's January 2014 Tax Invoice will be paid on 27<sup>th</sup> Feb 2014;</li> <li>There are 6 weeks of construction until PC, with just over half the total Contract Value being claimed following the January 2014 Progress Claim;</li> <li>March 2014 progress claim forecast to be</li> </ul>	
16.	<p>Quality Assurance</p> <ul style="list-style-type: none"> <li>HPs: 276 raised; 20 open</li> <li>NCRs: 23 raised (19 Quality; 4 Safety)</li> <li>has sent over the HPs for the W-beam installation. stressed importance of timely submission Hold Points that provide installation information/requirements, such as W-beam guardrail.</li> </ul>	
17.	<p>Working hours and days</p> <ul style="list-style-type: none"> <li>Canberra Day long weekend is a shutdown weekend from 8 Mar – 11 Mar 2014 (inclusive).</li> </ul>	
18.	<p>Construction Matters</p> <ul style="list-style-type: none"> <li>raised issues with patching of minor cracking of kerbs. The requirements for the rectification methods are unclear, and previous projects have shown a range of different measures applied to a variety of cracks within the kerb. mentioned that cracking in kerbs is potentially a design issue as the contractor completes the works as per the design and specification requirements. This can be dealt with by the Superintendent and the defects list and then at handover, there is the potential for an alternative treatment to be required. noted that at times the cracks need to be dealt with on a case-by-case basis. <ul style="list-style-type: none"> <li>will make enquiries with Asset Acceptance in order to provide clarification on the matter.</li> </ul> </li> <li>The area of stone pitching to be replaced is awaiting the return of the stone-pitchers and delivery of additional stone.</li> </ul>	
19.	<p>Subcontractors</p> <ul style="list-style-type: none"> <li>forwarded subcontractor contract with Capital Lines and Signs to SMEC.</li> </ul>	
20.	<p>Next Meeting(s)</p> <ul style="list-style-type: none"> <li>Friday, 7<sup>th</sup> March 2014 – Site Meeting</li> </ul>	
21.	<p>Other?</p> <ul style="list-style-type: none"> <li>JH informed the meeting that MM had organised a bus for EDD/ACT Govt staff to visit a number of the construction sites around the ACT. The bus would not be driving through the site.</li> <li>JH informed that HPD1 had received verbal operational acceptance for the completed separable portions. When confirmed, this would then open up the Jacka Access Road 1 and would allow temporary fencing to be taken down next to Amaroo School.</li> </ul>	



**Husband, John**

---

**From:** @brownconsulting.com.au]  
**Sent:** Tuesday, 18 February 2014 3:44 PM  
**To:** Husband, John  
**Subject:** RE: Horse Park Dr Extension

John

Not at present

Regards

| Senior Engineer - Road & Traffic  
 Brown Consulting (ACT) Pty Ltd

**BROWN**

GPO Box 261, Canberra, ACT , 2601  
 Level 6, 121 Marcus Clarke Street, Canberra City, ACT, 2601

*Smart Consulting*

t. 02 6211 7100 | f. 02 6211 7199  
 e. @brownconsulting.com.au  
 www.brownconsulting.com.au

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**From:** Husband, John [mailto:John.Husband@act.gov.au]  
**Sent:** Tuesday, 18 February 2014 3:38 PM  
**To:**  
**Subject:** RE: Horse Park Dr Extension

Hi

Have you received the OA paperwork yet from roads?

Cheers

**John Husband** | Senior Project Manager

Phone 02 6205 2920 | Fax 02 6207 6621 | Mobile

Infrastructure and Capital Works | Economic Development Directorate | ACT Government

Level 6, TransACT House, 470 Northbourne Ave, Dickson ACT 2602 | GPO Box 158 Canberra ACT 2601 [www.edd.act.gov.au](http://www.edd.act.gov.au)

**From:** [mailto: @brownconsulting.com.au]  
**Sent:** Tuesday, 18 February 2014 12:31 PM  
**To:** Husband, John; Hancock, Patrick  
**Subject:** FW: Horse Park Dr Extension

John / Patrick

Please refer to email below from indicating a builder (VBC) is connecting into the watermain we have installed. You will notice they have excavated a hole and cut into the asphalt path. We will be monitoring to ensure that the builder reinstates the area as was the condition prior to the works.

Regards

**BROWN**

GPO Box 261, Canberra, ACT, 2601  
Level 6, 121 Marcus Clarke Street, Canberra City, ACT, 2601

*Smart Consulting*

t. 02 6211 7100 | f. 02 6211 7199

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**From:** [\[mailto:info@hewatt.com.au\]](mailto:info@hewatt.com.au)

**Sent:** Tuesday, 18 February 2014 10:51 AM

**To:**

**Cc:**

**Subject:** Horse Park Dr Extension

I'm writing to advise of works by others within the site boundary of Horse Park Dr Extension. The location is approx Ch 505 RHS.

The contractor has been engaged by Actew to install additional infrastructure to the existing water main. I've attached a couple of photos of the progress to date which includes removal of asphalt from the existing cyclepath and exposing the water main.

Regards

*Senior Project Engineer*

**HEWATT**

PO Box 94 HALL ACT 2618

M | T | F

[@hewatt.com.au](http://hewatt.com.au) | [www.hewatt.com.au](http://www.hewatt.com.au)

Communication Honesty Accountability Respect Teamwork



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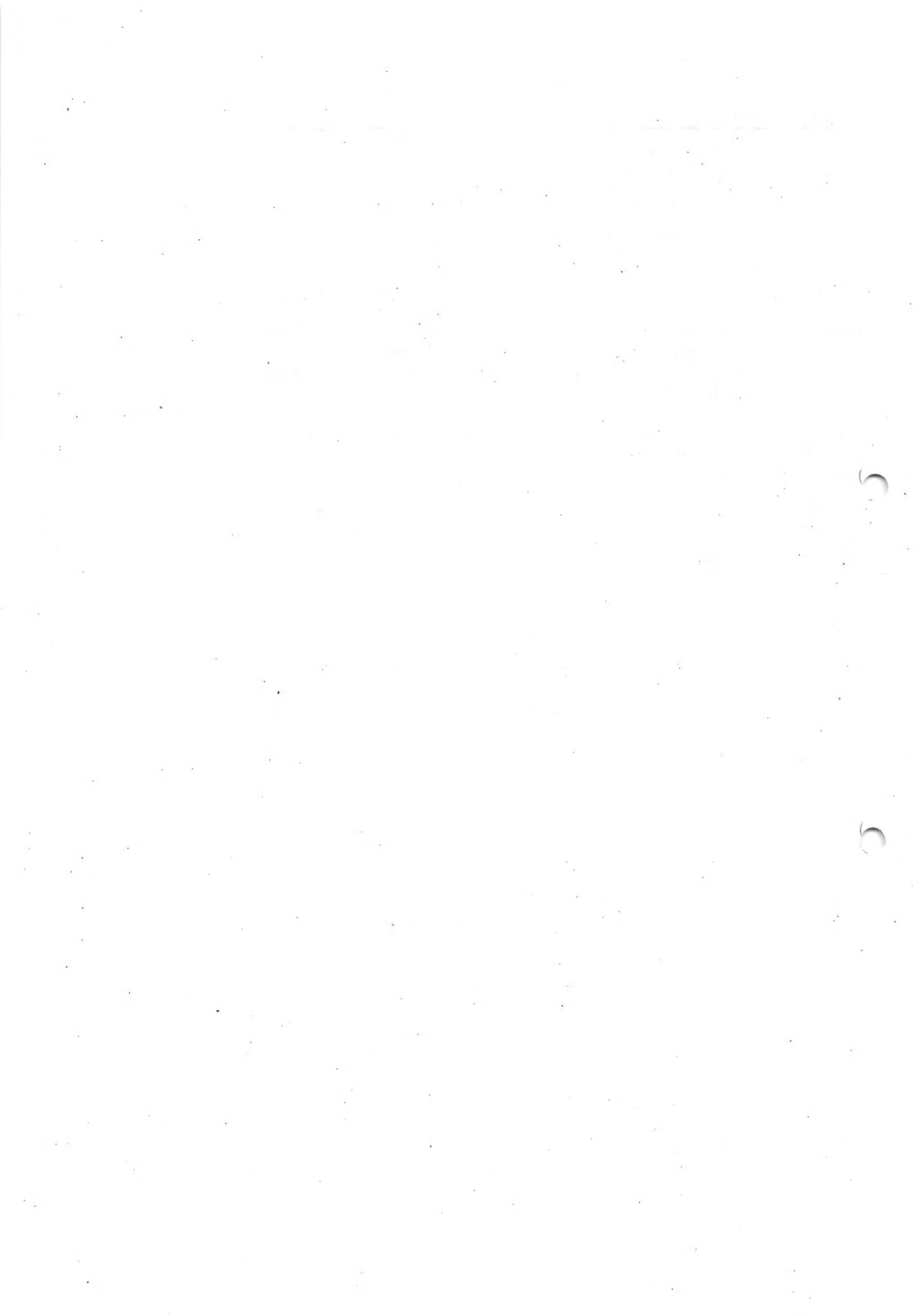
**Husband, John**

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**From:** Dickson, Peter  
**Sent:** Thursday, 13 February 2014 1:31 PM  
**To:** @blackmtn.com.au  
**Cc:** Husband, John;  
**Subject:** RE: Defects List - Cotter  
**Attachments:** RE: Cotter Kirkpatrick St Landscape Inspection

What are we doing about re applying liquidated damages for WAE being late, it was 101 days as of the 15<sup>th</sup> of July its now the 13<sup>th</sup> of February almost another 210 days has gone by, and still nothing. WAE that were rushed in by Hewatts in early August purely in an attempt to stop liquidated damages being applied, should be deemed defective work and LD's should continue.

End of consolidation was around the 16<sup>th</sup> of October, only Asset Acceptance can take it off consolidation, which of course they couldn't, because no WAE(Clearly Hewatts issues.)



**Husband, John**

---

**From:** Dickson, Peter  
**Sent:** Wednesday, 30 October 2013 1:55 PM  
**To:** r@blackmtn.com.au; n  
**Subject:** RE: Cotter Kirkpatrick St Landscape Inspection  
**Attachments:** Soft landscaping requirements for Handover.pdf

Hi Aaron Geoff and Stephen


Please read the attached document, we need to make sure all WAE information is completed, according to this document this is supposed to be done around week ten of the consolidation process.  
 Aaron Geoff please read and ensure we have completed anything else that is requested on this document.

I will talk to Julie Garbode in the meantime as I have not received any responses from email I sent to Asset Acceptance after our meeting on Monday.

Regards

**Peter Dickson** | Senior Project Officer | **Shared Services**  
 Phone: 02 62072590 | Fax: 02 6207 5468 **Mobile**

**Shared Services** | Commerce and Works | **ACT Government**  
 Level 2 Annex, Macarthur House, 12 Wattle Street Lyneham ACT 2602 | PO Box 818 Dickson ACT 2601 | [www.act.gov.au](http://www.act.gov.au)

 Please consider the environment before printing this e-mail.




---

**From:** [mailto:r@rdgossip.com.au]  
**Sent:** Wednesday, 30 October 2013 9:54 AM  
**To:** r@blackmtn.com.au; Dickson, Peter; '  
**Subject:** FW: Cotter Kirkpatrick St Landscape Inspection

Good Morning Gentlemen,

Please find attached landscape inspection and certification for your records.

Can you please organise to spray the weeds on the north facing batter along the northern side of Cotter Road, and let me know when the works have been completed so I may inform the Client.

Regards,

---

**RD Gossip Pty Ltd**  
 2 Lawry Place  
 Macquarie ACT 2614 Australia  
 Phone: (02) 6251 6313 fax: (02) 6253 1989

Mobile Phone:

E-mail: [@rdgossip.com.au](mailto:@rdgossip.com.au)

---

**From:** Harris and Hobbs [<mailto:hhl@hhl.com.au>]

**Sent:** Monday, 28 October 2013 8:38 PM

**To:** '

**Subject:** RE: Cotter Kirkpatrick St Landscape Inspection

Hello

please find report and certification attached,

regards

*Registered Landscape Architect*

**Director**



16 Robe St Deakin ACT 2600 Australia

+612 6273 4661

[hhl@hhl.com.au](mailto:hhl@hhl.com.au)

[www.hhl.com.au](http://www.hhl.com.au)

# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



ACT

HEWATT

SMEC

WEEKLY REPORT FOR WEEK ENDING: 8 February 2014

1. **WHS**
  - a. Site inductions continuing 178 personnel to date;
  - b. Working hours reduced as the temperature exceeded 35°C Monday 3 February 2014.
2. **Traffic Management**
  - a. Entrance to Project at Amaroo School to remain in current configuration due to safety and traffic management reasons;
  - b. Site vehicles now using main carriageway for access throughout Project.
3. **Design**
  - a. *Pedestrian handrail footings adjacent to approach slabs (RFI101A)* – Brown are preparing a detail to incorporate the pedestrian handrail footings into a strip footing which will retain the decomposed granite;
  - b. *Raising of Telstra Pit at CH40 (RFI104A)* – the existing concrete Telstra pit at CH40 requires raising to match adjacent levels of HPD2's shared path.
4. **Construction**
  - a. DGS placed from CH880 to CH1490 completing placement of sub base across site;
  - b. Subsoil lines 100% Complete – high end risers to be installed;
  - c. Guard and hand rail installation continuing at the bridge;
  - d. Storm water Line B pipe laying and backfilling completed;
  - e. Stone pitching of floodway drop structures and channel continuing;
  - f. Excavation, laying and backfilling of conduit for street light power supply from Casey substation completed;
  - g. Streetlighting conduit – excavation, placing and backfilling continuing;
  - h. Construction of electrical micro-pillar plinths commenced;
  - i. Jute mesh placed in swales and topsoil placed in a number of locations;
  - j. Transition kerbs from bridge to carriageway kerbs constructed.
5. **Meetings**
  - a. Fortnightly construction meeting held Friday 7 February 2014.
6. **Issues**
  - a. *SMA Report by ex-RMS consultants for HPD1* – outcomes from the report produced relating to the placement of SMA14 for HPD2 pavement are yet to be determined. SMA placement planned for start of March 2014;
  - b. *Excess material potentially requiring disposal* – SMEC and Hewatt are working to lose most material on-site where possible;
  - c. *Additional Conduit Crossings across HPD at Mirrabai Dr and Road 04 Intersections (ISS013)* – works have been completed, Hewatt will submit a price for these works to SMEC;
  - d. *Interface with Springbank Rise (ISS002)* – trenching within Springbank Rise is completed and Lend Lease have been informed. Hewatt are to make good the disturbed areas.
7. **Payments**
  - a. SMEC has received Hewatt's Progress Claim for January 2014.

**8. Activities Planned for the Upcoming Fortnight**

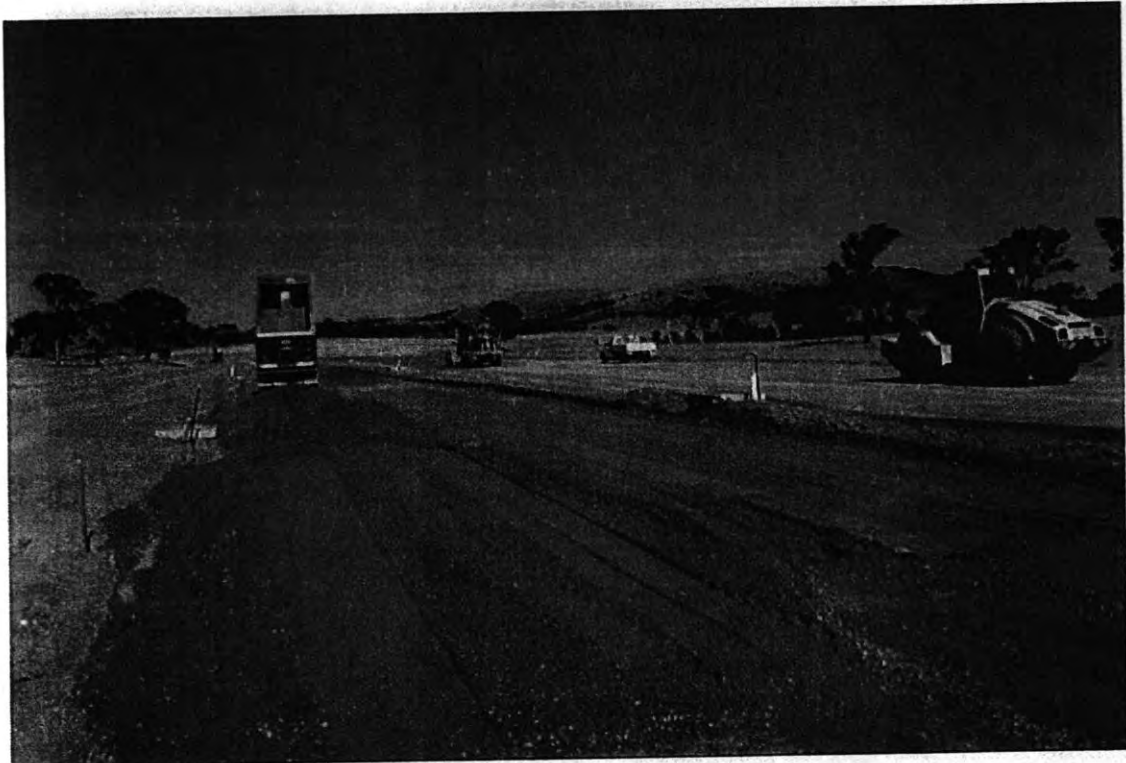
Forecast temperatures of around 35° for next week may limit production.

- a. Stone pitching of floodway;
- b. Landscape activities;
- c. Install conduit for street light power supply;
- d. Commence installing street light columns;
- e. Kerb construction carriageway and traffic islands;
- f. Installation Type R sump cover slabs;
- g. Construct pits and manhole for storm water line B beneath the bridge;
- h. Commence concrete foot paths and approaches at the bridge;
- i. Excavate trench and lay conduit for street light power supply;
- j. Commence construction of shared path;
- k. Installation of Guard rail.

Superintendent's Representative  
Horse Park Drive Extension, Burrumarra Ave – Mirrabei Dr  
SMEC Australia Pty Ltd  
E: [@smec.com](mailto:HPDE@smec.com) Ph:



Photos



Placement of sub base at CH1400



Laying pipe in storm water line B



Installation of conduits for street light power supply from Casey sub station



Kerb transition from bridge SFK at CH410

# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



HEWATT



## MEETING: SITE MEETING - MINUTES

**LOCATION:** Project Site Office, Horse Park Drive, Jacka  
**DATE:** Friday, 7 February 2014  
**TIME:** 10.30am  
**ATTENDEES:**

**Economic Development Directorate:** Michael McGrath (MM)  
 John Husband (JH)  
 Michael Sergi (MS)  
**Shared Services Procurement:** Patrick Hancock (PH)  
 James Cargill (JC)

**Brown:**

**SMEC:**

**Hewatt:**

No.	Item Description	Action
01.	<p>WHS</p> <ul style="list-style-type: none"> <li>noted that there had been a few pedestrians/cyclists that have tried to walk through site, including a cyclist who was escorted off-site. This will be added to the Incident Register.</li> <li>There were no other WHS incidents since the last meeting.</li> <li>PH/JH were going to investigate the need for an ACT Govt WHS Audit, however the Project is getting close to the end.</li> </ul>	PH
02.	<p>Review Previous Minutes / Matters Arising</p> <ul style="list-style-type: none"> <li>has sent through a number of Variation Claims for past works. A price for the supply of electricity to the traffic and streetlight controllers is yet to be received.</li> <li>Hewatt did not raise an RFI in relation to the proposed change to the seal type as they are awaiting the outcomes of the SMA Report from the ACT Govt.</li> <li>to advise Roads ACT/B.McHugh of revised completion dates for HPD1/2.</li> </ul>	
03.	<p>Design</p> <ul style="list-style-type: none"> <li>RFIs: 101 submitted; 4 open</li> <li>Hewatt sent through a price for the revised design to the streetlighting beneath the bridge. The post will be as per the original design style – galvanised. Hewatt have ordered the poles – there is a 10 week lead time before delivery. HPD1 is still awaiting approval for this solution from</li> <li>asked for confirmation of push button offset dimension requirements. There appears to be no standard drawing. was to check corresponding details from RMS drawings. were to raise an RFI on the issue and would liaise with Roads ACT.</li> <li>JH updated the meeting on the outcomes of the SMA investigations/report for HPD1. JH mentioned there could be the potential for a change in the stone size for SMA (SMA14 to</li> </ul>	

	<p>SMA10) or increasing the depth of the SMA14. It was noted that the majority of the kerb has been installed for HPD2. Therefore, going to a deeper SMA layer may be an issue. to include it in the Issues Register and JH was to advise of any outcomes from future discussions.</p> <ul style="list-style-type: none"> <li>o asked if the site team would have a chance to look at the reports. JH advised two reports were being prepared. The first specific to SMA on HPD1 and the second was an overall report on the use of SMA throughout the ACT. This report may be sent out to the consultants for comment.</li> <li>o There were a few other points raised in the report, eg. Amount of cutback oil to be used in seal, etc. These are going to be important for HPD2. The material Hold Points and work methods for the seal and asphalt will be crucial.</li> </ul>	/JH									
04.	<p>Site Compound</p> <ul style="list-style-type: none"> <li>• Demobilisation of the site compound was likely to occur towards the end of March 2014, just prior to Project Completion.</li> </ul>										
05.	<p>Program</p> <ul style="list-style-type: none"> <li>• will send through revised cash flow and program.</li> <li>• Generally program is going well – sub-base placement has been completed.</li> <li>• Hewatt will continue to closely monitor the progress of the kerb placement and the supply of gravel material.</li> <li>• Seal and asphaltting looking to be completed in early March 2014. A significant time gap is not forecast between placement of seal and SMA, as it is not required by the specifications. <ul style="list-style-type: none"> <li>o The amount of cutter oil in the seal will be important if there is not a lot of time between the placement of seal and SMA. A hold point will be submitted prior to the seal and SMA placement.</li> </ul> </li> </ul> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="3">Current PC Dates</th> </tr> </thead> <tbody> <tr> <td>SP1 &amp; SP3</td> <td>Civil, Burrumarra Ave – HPD1</td> <td>02 Apr 2014</td> </tr> <tr> <td>SP2 &amp; SP4</td> <td>Landscape, Burrumarra Ave – HPD1</td> <td>07 Oct 2014</td> </tr> </tbody> </table>	Current PC Dates			SP1 & SP3	Civil, Burrumarra Ave – HPD1	02 Apr 2014	SP2 & SP4	Landscape, Burrumarra Ave – HPD1	07 Oct 2014	
Current PC Dates											
SP1 & SP3	Civil, Burrumarra Ave – HPD1	02 Apr 2014									
SP2 & SP4	Landscape, Burrumarra Ave – HPD1	07 Oct 2014									
06.	<p>Environmental</p> <ul style="list-style-type: none"> <li>• No environmental issues.</li> <li>• Topsoiling of site nearing completion and bitumen straw mulching will commence soon.</li> </ul>										
07.	<p>Industrial Relations</p> <ul style="list-style-type: none"> <li>• Nil</li> </ul>										
08.	<p>Traffic</p> <ul style="list-style-type: none"> <li>• noted that the entrance to the site at Amaroo School will be left the same due to safety and traffic reasons. It is likely any change may cause confusion to site staff and the public.</li> </ul>										
09.	<p>Community</p> <ul style="list-style-type: none"> <li>• to send note to Roads ACT about the current date for PC and potential road opening for HPD2. This will allow Roads ACT to send any potential community notices out.</li> <li>• will inform Lend Lease/Springbank Rise that the wearing course works at Burrumarra Ave roundabout will not be undertaken as part of HPD2 works.</li> <li>• Contact will be made with Lend Lease regarding making good disturbed areas within Springbank Rise from trenching works.</li> </ul>	Hewatt									

10.	Staffing <ul style="list-style-type: none"> <li>• Nil</li> </ul>	
11.	Utilities <ul style="list-style-type: none"> <li>• Hewatt are to provide a price for the civil works associated with ActewAGL electrical supply to traffic and streetlight controllers.</li> <li>• gave an update on the status of handover for the utilities: <ul style="list-style-type: none"> <li>o Watermain testing by Hewatt was to take place early next week and then a request for ACTEW Water to test would be submitted. Note the final scour valve is to be installed beneath the bridge prior to this;</li> <li>o CCTV has been completed for stormwater. WAE information completed and being put into drawings;</li> <li>o WAE for NBN will be sent and then NBN will organise a handover inspection.</li> </ul> </li> <li>• Hewatt will prepare a WAE schedule of when information is likely to come out for review. will include the handover process &amp; progress as an issue in the register so that it can be easily tracked.</li> <li>• Ray Surveys will be preparing the WAE drawings for HPD2.</li> <li>• ActewAGL will be onsite next Wed/Thurs to install cabling for the electrical supply to the traffic and streetlight controllers.</li> </ul>	Hewatt
12.	Issues <ul style="list-style-type: none"> <li>• MS raised the issue that all handovers for HPD2 will be through TaMS Asset Acceptance. Therefore, there will not be a single inspection, there will be multiple with different people for different elements of the work.</li> </ul>	
13.	EOT <ul style="list-style-type: none"> <li>• EOT Status (12 submitted): 51.5 Days Claimed; 35.5 Days Granted</li> <li>• EOT No. 12 was raised for 2 days inclement weather. This was approved and the PC dates have been revised.</li> </ul>	
14.	Variations <ul style="list-style-type: none"> <li>• Status (including BoQ over/underruns) (excl GST): 3 Submitted; Agreed; Certified for payment (as at end of Dec '13)</li> <li>• submitted a number of Variation Claims with the January 2014 Claim. These will be assessed and responses issued by SMEC.</li> </ul>	
15.	Progress Claims <ul style="list-style-type: none"> <li>• will send the January 2014 claim over for assessment.</li> <li>• Discussions were held prior to the site meeting regarding some interpretations of the Specifications. There were a few actions required to start to close out some of the Prov. Quantity Pay Items.</li> </ul>	
16.	Quality Assurance <ul style="list-style-type: none"> <li>• HPs: 258 raised; 6 open</li> <li>• NCRs: 23 raised (19 Quality; 4 Safety)</li> <li>• to talk with ; about a few outstanding QA issues.</li> </ul>	
17.	Working hours and days <ul style="list-style-type: none"> <li>• Nil</li> </ul>	
18.	Construction Matters <ul style="list-style-type: none"> <li>• A new delivery of stone was received this morning (Fri 7/2/14). The colour matches the original coloured stone that was previously supplied.</li> </ul>	

19.	Subcontractors <ul style="list-style-type: none"> <li>• to send over contract for Capital Lines and Signs ( ;)</li> </ul>	
20.	Next Meeting(s) <ul style="list-style-type: none"> <li>• Friday, 21<sup>st</sup> February 2014 – Site Meeting</li> </ul>	
21.	Other?	

# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



ACT

HEWATT



WEEKLY REPORT FOR WEEK ENDING: 1 February 2014

## 1. WHS

- a. Site inductions continuing;
- b. RDO on Tuesday 28 January;
- c. Working hours reduced as the temperature exceeded 35<sup>o</sup> for Wed, Thurs and Friday.

## 2. Traffic Management

- a. The client requested to change the entrances of the site on the existing road at HPD1 by shifting traffic onto opposite sections of the newly laid asphalt, in order to monitor the effect of traffic on the road surface. No changes have been made to the site access road as of yet. Hewatt are in correspondence with HPD1 Superintendent.

## 3. Design

- a. *Transition of footpath and kerb from earthworks formation to approach slab and bridge (RFI097A)* – SMEC has issued a response to Hewatt using information and revised design details provided by Brown;
- b. *Extent of Shared Trench at Mirrabai Dr stub (RFI093A)* – the shared trench has been extended approximately 5m adjacent to Mirrabai Dr to suit gas design drawings provided by ZNX. WAE information will be produced and forwarded to Brown for use in Mirrabai Dr design.

## 4. Construction

- a. Shared trench conduits laid and backfilled – 100% Complete;
- b. Subsoil lines 100% Complete – high end risers to be installed;
- c. Guard and hand rail installation continuing at the bridge (footings for handrails response to RFI097A received including kerb transition details);
- d. Excavation of trench for stormwater Line B completed;
- e. Stone pitching of floodway drop structures and channel continuing;
- f. Mountable kerb placed from HPD1 interface to Mirrabai intersection;
- g. Excavation, laying and backfilling of conduit for street light power supply from Casey substation commenced. Rock encountered in the excavation and has caused delays;
- h. 300mm storm water pipe end walls completed and formwork is being stripped;
- i. Traffic light pole footings excavated at Mirrabai intersection;
- j. Placement of cover slabs for storm water Type R sumps commenced;
- k. Jute mesh placed in swales and topsoil placed in a number of locations;
- l. Select material trimmed and conformed to design levels from CH880 to CH1490 and HPD1 tie in ready for the DGB placement.

## 5. Meetings

- a. No meetings were held during the week;
- b. i (Hewatt) informed Lend Lease that trenching works within Springbank Rise would be completed mid-week (W/C 3/2/14).

## 6. Issues

- a. *Excess material potentially requiring disposal* – it is expected there will be some material that may be able to be incorporated into HPD2 works and will have to go off-site (there is a PQ Item within BoQ for this). SMEC & Hewatt are working together to determine best course of action;

- b. *Additional Conduit Crossings across HPD at Mirrabei Dr and Road 04 Intersections (ISS013)* – works have been completed, Hewatt will submit a price for these works to SMEC;
- c. *Interface with Springbank Rise (ISS002)* – trenching within Springbank Rise is ongoing and expected to be complete by 31 Jan 2014.

**7. Payments**

- a. SMEC expects to receive Hewatt's preliminary claim for January 2014 on Monday 3<sup>rd</sup> February 2014.

**8. Activities Planned for the Upcoming Fortnight**

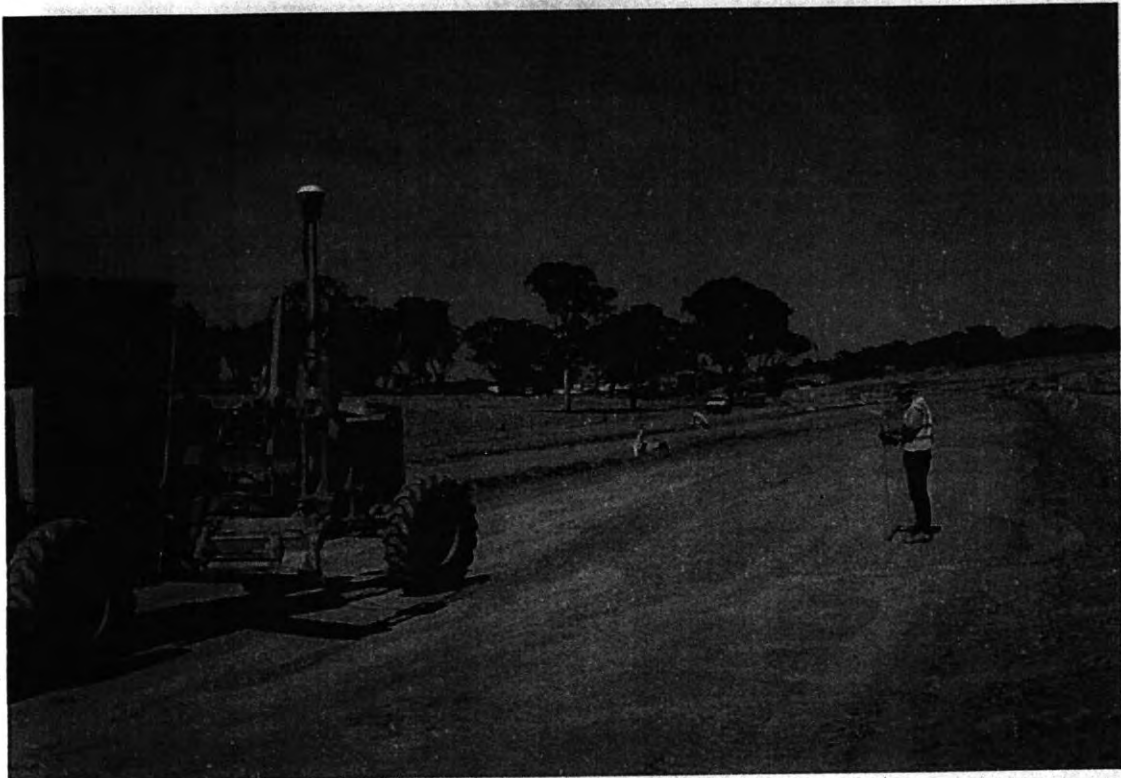
Forecast temperatures of 35- 37<sup>o</sup> for next week may limit production (forecast shows Mon 3/2/14 >35°C).

- a. Place DGS layers from CH880 to CH1490 and HPD1 tie in;
- b. Stone pitching of floodway;
- c. Landscape activities;
- d. Complete installation of electrical conduit from Casey;
- e. Kerb construction carriageway and traffic islands;
- f. Installation Type R sump cover slabs;
- g. Lay and backfill storm water line B beneath the bridge;
- h. Excavate and lay conduit for street lights.

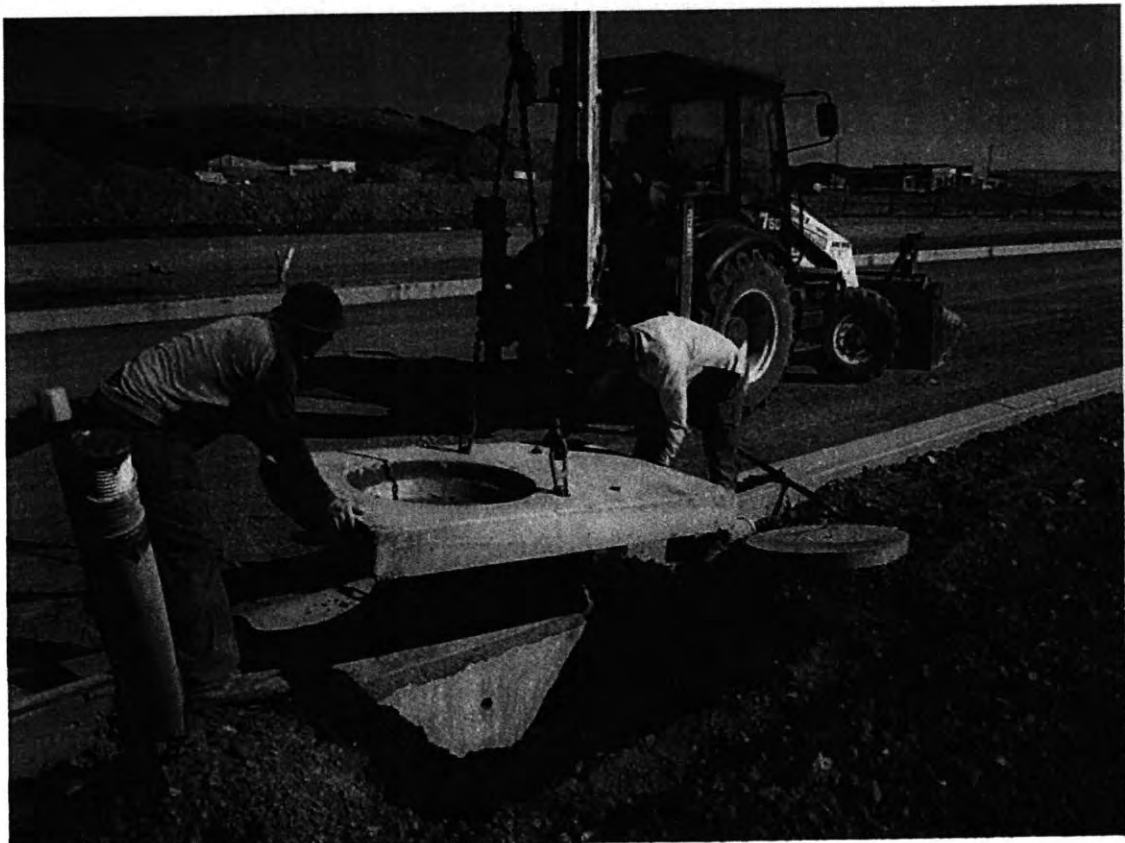
Superintendent's Representative  
Horse Park Drive Extension, Burrumarra Ave – Mirrabei Dr  
SMEC Australia Pty Ltd  
E: [@smec.com](mailto:@smec.com) Ph:



**Photos**



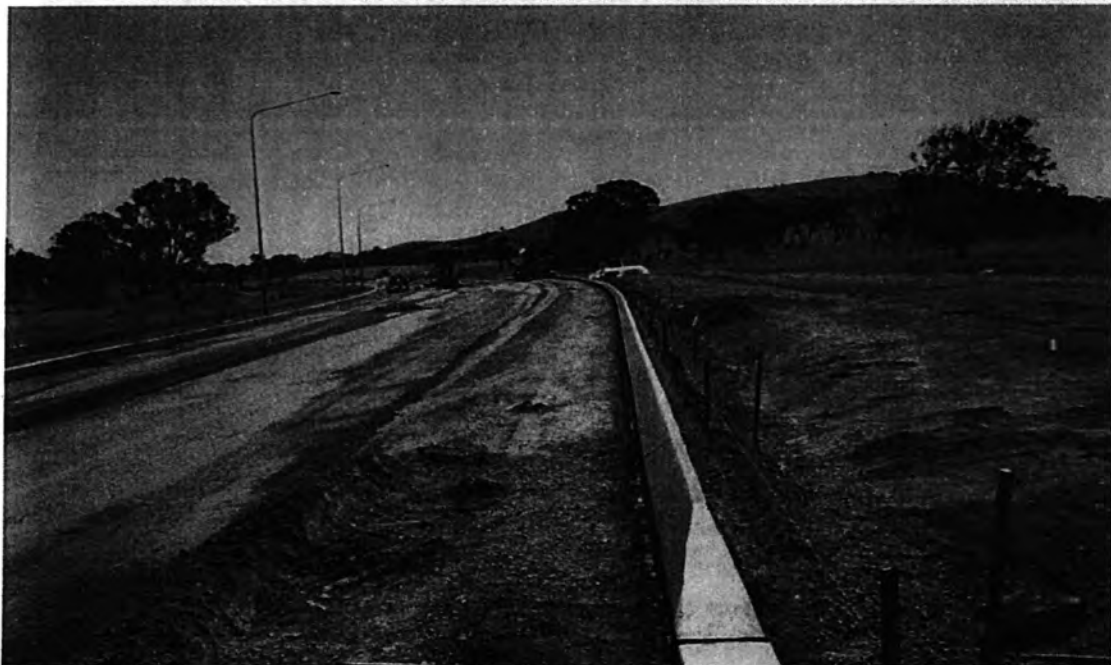
Survey conformance of subgrade levels at CH1350



Installation of Type R sump cover slab



Excavation for storm water line B

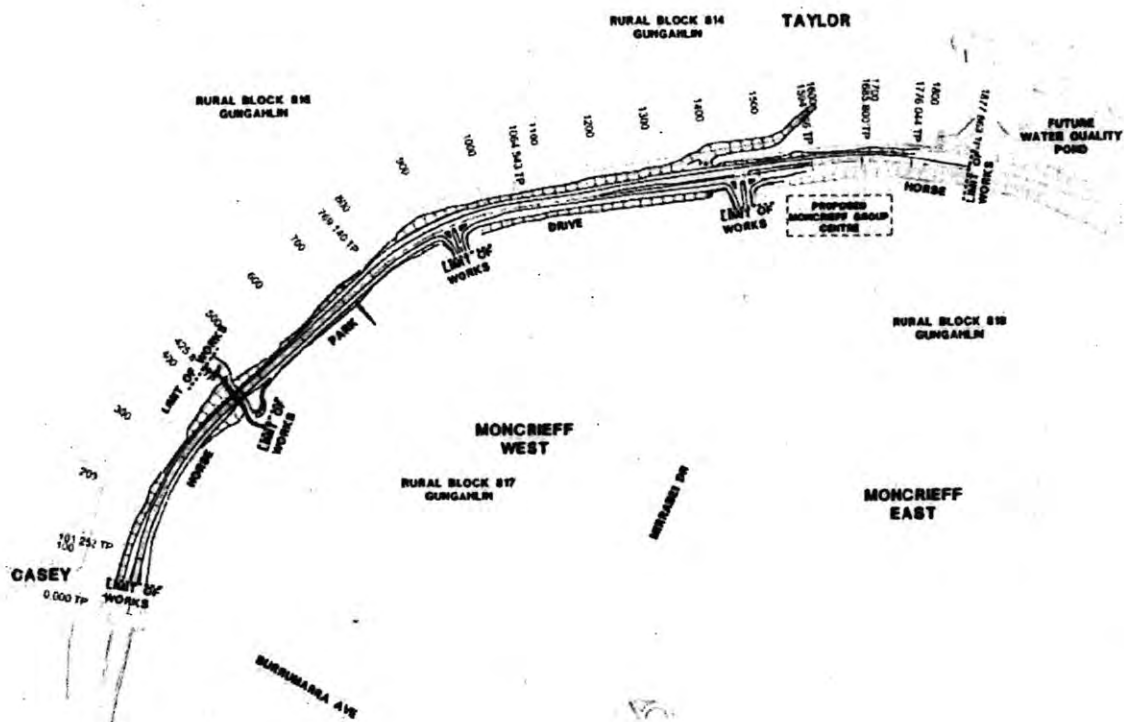


Mountable Kerb at HPD1 interface with HPD2

Construction of:

# Horse Park Drive Extension Project Burrumarra Avenue to Mirrabei Drive

## Monthly Report



Project: Horse Park Drive Extension (Burrumarra Ave – Mirrabei Dr)

Construction Contract No: 2013.21048.110

Report No: 10

Reporting Period: January 2014

Senior Program Manager: Michael McGrath *Economic Development Directorate*

Senior Project Manager: John Husband *Economic Development Directorate*

Senior Project Officer: Patrick Hancock *Shared Services Procurement*

Contractor's Representative: *Hewatt Pty Ltd*

Superintendent's Representative: *SMEC Australia Pty Ltd*



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## 1. WHS

Nil Lost Time Injuries (LTI's) have been reported for January 2014 or for the Project to date.

It was noted in a Site Meeting that there have been a few occurrences of pedestrians walking within the completed section of HPD1 and vehicles entering the site inadvertently at Amaroo School.

SMEC's surveillance officer has continued to carry out a joint walk-through / safety inspection on a weekly basis with the Contractor's Safety Officer or Site Foreman.

The WHS Incident Register is included at Appendix A.

## 2. Progress of Work

Construction works commenced in 2014 on 7 January 2014. The site had been well prepared for the Christmas shutdown and progress was able to recommence in January 2014 without any significant cleaning up after the break.

Hewatt have been working concurrently on SP1 and SP3 as per the revised dates for Practical Completion.

### 2.1. Separable Portion 1 & 3

#### Bridgeworks:

- The bridge was opened to construction traffic;
- Pedestrian hand-railing fence was installed.

#### Pavement:

- Final trimming of Select Material was completed across site;
- Sub-base material was placed for the remaining area across site. Shoulders were prepared for kerb works;
- Completion of subsoil installation;
- General fill was placed at medians and islands across site.

#### Floodway:

- Stone pitching continued within the floodway, including Drop Structures No. 1 & 2 and the connection to the Casey outlet at the end of Swale No. 2.

#### Underground Services:

- Shared trench construction was completed across site, including additional crossings across HPD to allow provision for future connection to the HPD shared trench;
- Stormwater Line B was commenced beneath the bridge – 60% Complete;
- 300mm headwalls into open swale drains were completed across site.

#### Landscaping:

- Topsoil placement continued along the verges of the road. Topsoiling works are approx. 95% complete;
- Excavation for tree pit holes continued. The holes were backfilled with sandy loam and a bund of mulch was installed around them.

## 2.2. Separable Portion 2 & 4

- Nil.

## 3. Issues and Project Risks

### 3.1. Key Issues

Current issues include:

- Springbank Rise (SBR) Interface (ISS002):** The current status of the various issues surrounding the Project's interface with the Springbank Rise Development are:
  - Hewatt have commenced trenching behind the kerb within Springbank Rise for the electrical connection to the Casey substation. Works are expected to be completed in early February 2014. Hewatt will make good disturbed areas within SBR. Lend Lease have been well informed and are satisfied with the timing of the works
- Inclusion of wearing course works at Horse Park Drive Roundabout and down towards Arrabri Dr (ISS009):** SSP has advised the Roads ACT will be completing these works and therefore they will no longer form a Variation for the HPD2 Project;
- HPD1/2 Change in Scope:** Hewatt have commenced working to the revised Scope of Works for HPD2 within this area. A Variation has been raised to account for the transfer of works from either Project.
- EDD Report on SMA within HPD1 & Outcomes for HPD2:** EDD has engaged an asphalt consultant to produce a report on the use of SMA both on the completed section of HPD1 and within ACT as a whole. Outcomes of the report may potentially have an impact on the SMA to be used for HPD2.

The Issue Register has been included in Appendix C

### 3.2. Key RFI's

There were a total of eight (8) RFIs raised and responded to in January 2014. At the end of January 2014, there were two (2) outstanding RFIs.

The significant RFIs addressed during the month were:

- **RFI092A: Realignment of Shared Trench at Mirrabei Dr and Road 04 Intersections:** the shared trench was locally realigned at Mirrabei Dr and Road 04 to avoid utility clashes and provide straighter runs for future installation of cables;
- **RFI094A: Additional drainage at Mirrabei Dr:** the design of the Mirrabei Dr road stub did include provision for both surface and sub-surface drainage at the end of the stub. An additional swale drain has had to be installed to allow this area to effectively drain. It is assumed that this swale will be temporary, as the extension of Mirrabei Dr will provide all necessary drainage.
- **RFI07A: Issues associated with the footpath and kerb transition at the bridge:** the interface between the bridge design and the earthworks formation did not align for the kerbing and footpaths. This was a design error that had the potential to delay works on site. SMEC and Brown worked together to arrive at an effective and timely solution.

The RFI register is included at Appendix F.

#### 4. Time

The Letter of Acceptance was issued to Hewatt on 26 February 2013.

The initial construction period was for 62 weeks, with a landscaping consolidation period of 26 weeks, totalling 88 weeks. The Initial contractual Practical Completion (PC) date was 04 November 2014 (including Landscape Consolidation).

As the result of Hewatt's proposal to merge the completion of HPD1 & HPD2, the construction period has been revised to 56 weeks with a consolidation period of 26 weeks. The current date for PC for SP4 is 7 October 2014.

##### 4.1. Program and Progress

The latest revision to the construction program was received on the 14<sup>th</sup> February 2014.

Table 4.1: Programmed completion dates for Separable Portions 1 & 3

Portion	Description	Original PC Date	Revised PC Date	Current Program Completion Date
SP1	Burrumarra Ave – Ch 600	03 Dec 2013	2 Apr 2014	2 Apr 2014
SP3	Ch 600 – HPD1 Interface	06 May 2014	2 Apr 2014	2 Apr 2014

There was one EOT Claim in January 2014.

There are currently eight (8) weeks of construction until Hewatt's current program completion date. The sequence of works to be completed has been outlined into fortnightly periods below. A more detailed outline of the upcoming works can be found in Section 11.

Fortnight	Works to be carried out
3 Feb – 15 Feb	Sub-base placement; Kerbs; Streetlighting; Stone-pitching for floodway; Stormwater beneath bridge
17 Feb – 1 Mar	Kerbs and island infills; Streetlighting and Traffic Lighting; Guard-railing; Paths and Wall beneath bridge; Footpath tie-in to bridge; commence placement of base material.
3 Mar – 15 Mar	Completion of kerbs; Placement of base for main alignment and shared path; Prime for main-alignment and shared path, Stone pitching,
17 Mar – 2 Apr	14/7mm Seal & SMA Placement for main alignment; FGG AC to be placed for shared path; Lines & signs; Bridge railings, Landscape Planting; Handrailing and fencing.

Whilst it appears that Hewatt's current program is achievable, it will require significant co-ordination of not only Hewatt's resources but also of sub-contractors.

The current Contract Program to Completion from Hewatt is included at Appendix H.

## 4.2. Extension of Time (EOT)

To date, twelve (12) EOT claims have been submitted by Hewatt. There was a single EOT Claim submitted in January 2014.

A total of 51.5 days have been claimed by Hewatt, with 35.5 days being approved. EOT Claim No. 11 & 12 has been due to extreme temperatures (inclement weather) within January 2014.

The current dates for Practical Completion are set out in the table below.

Portion	Description		Original Date	Revised Date
SP1/3	Burrumarra Ave – HPD1 Interface	Civil Works	03 Dec 2013/ 06 May 2014	2 Apr 2014
SP2/4	Burrumarra Ave – HPD1 Interface	Landscaping	03 Jun 2014/ 04 Nov 2014	7 October 2014

The EOT Register is included at Appendix B.

## 5. Financial Position

Financial position to the end of January 2014 is reported below:

### 5.1. Progress Payments

Progress Payments certified to the end of January 2014:

Original Contract Value including Provisional Sums:

Approved Variations (incl. Quantity Overruns):

Current Approved Contract Value:

Value Certified To Date:

Value Previously Certified:

Progress Payment Claim No. 10 for January 2014:

*NB: all amounts are inclusive of GST.*



The following table shows Progress Payment Certifications to date:

Progress Payment No.	Month	Payment Certified (including GST)
1	Apr-13	
2	May-13	
3	Jun-13	
4	Jul-13	
5	Aug-13	
6	Sep-13	
7	Oct-13	
8	Nov-13	
9	Dec-13	
10	Jan-14	
<b>Total to Date:</b>		

Figure 5.1: Hewatt's Original and Revised Forecast Claim against Actual Claim, as at 31 January 2014.

## 5.2. Claims and Variations

SMEC's Variation Register is included at Appendix D.

Hewatt submitted a number of Variation Claims for work that had been previously completed. SMEC has assessed these claims and certified them as part of the January 2014 Progress Claim.

The amount claimed for Variations in January 2014 was The  
following is a summary of which Variations were claimed this month (all figures excl GST):

- V09 – Pricing of Missing BoQ Items
- V29 – HPD1/2 Change in Scope
- Miscellaneous Variations for Additional Works

The Total Amount for Variations currently approved is This amount  
includes a total of of approved overruns of BoQ lump sum items. At

the end of January 2014, a total of  
for payment.

in Variations has been certified

### 5.3. Estimated Final Contract Value

The Estimated Final Contract Value is being revised each month as the Project progresses. The Estimated Final Contract Value is continually tracked using the following methods:

1. Tracking of Provisional Quantity Items and updating estimated final quantities monthly (refer to *Table 5.3.1*);
2. Tracking of Provisional Sums and updating estimated final amount of each Provisional Sum following each claim (refer to *Table 5.3.2*);
3. Tracking overruns/underruns in quantities of Scheduled Items (refer to *Appendix E*);
4. Incorporating changes in the design and construction into the Estimated Final Contract Value summary table (refer to *Appendix E*). This will also generally include forecast Variations that have not yet been submitted by the Contractor (eg. additional wearing course works at Burrumarra Ave).

*Table 5.3.1: Tracking of Provisional Quantity Items*

Pay Item	Description of Work	Unit	Amount (excl GST)	Total Claimed to Date (excl GST)	% of Scheduled Quantity Claimed	% of Works Completed (SMEC Estimate)	Estimated Final Amount (excl GST)
<b>2.0 EARTHWORKS</b>							
205P1	Removal and Stockpiling topsoil	m3 (PQ)					
205P2	General Earthworks	m3 (PQ)					
205P3	Disposal of Spoil Material Off Site	m3 (PQ)					
205P4	Unsuitable Material	m3 (PQ)					
206P1.1	Imported Fill (min 3% CBR)	m3 (PQ)					
206P2	Replacement of Unsuitable with General Fill (min 3% CBR)	m3 (PQ)					
207P1	Preparation of Fill Subgrade	m2 (PQ)					
207P2	Preparation of Cut Subgrade	m2 (PQ)					
207P4.1	Bidim A34	m2 (PQ)					
208P1	Supply and Installation of Quarry Overburden Material	m3 (PQ)					
<b>3.0 UNDERGROUND SERVICES</b>							
303P1	Backfilling Under Roads, Paths and Driveways	m3 (PQ)					
303P3	Removal of Unsuitable Material from Trenches	m3 (PQ)					
303P7	Extra over for supply and placement of 5/7mm aggregate bedding material for sewer only as directed by the Superintendent	m3 (PQ)					
303P8	Extra over for supply and placement of 7/10mm aggregate bedding material for stormwater only as directed by the Superintendent	m3 (PQ)					
303P9	Geotextile A14 for use in pipe trenches	m2 (PQ)					
307P2.1	1 x 100mm diameter (TransACT) Road crossings only	m (PQ)					
<b>4.0 FLEXIBLE PAVEMENT CONSTRUCTION</b>							
403P3.5	CBR6	m3 (PQ)					
<b>8.0 INCIDENTAL WORKS</b>							
804P1.3	Fence Type VS (Vermin and Stockproof)	m (PQ)					
804P1.6	Adjustment to existing fences as directed by the Superintendent	Item (PQ)					
<b>Total Scheduled (excl GST)</b>							

**Table 5.3.2: Tracking of Provisional Sum Items**

Pay Item	Description of Work	Amount (excl GST)	Total Claimed to Date (excl GST)	% Claimed of Scheduled Amount	Estimated Final Amount (excl GST)
<b>001 PRELIMINARIES</b>					
001P5	Compliance and Audit Testing as directed by the Superintendent				
001P6	Additional Work as Directed by the Superintendent				
<b>2.0 EARTHWORKS</b>					
211P1	Geotechnical Engineer, Supervision and Site Testing				
<b>3.0 UNDERGROUND SERVICES</b>					
304P11.1	Works by the Sewer Authority to existing sewer services				
308P5.1	Works by the Water Authority to existing water services				
<b>8.0 INCIDENTAL WORKS</b>					
815P1	Works by Electrical Authority				
815P2	Works by Telstra				
815P3	Works by Jemena				
815P4	Works by Transact				
<b>Total Scheduled (excl GST)</b>					

The Estimated Final Contract Value summary table can be found at Appendix E. Figure 5.2 has been included to track the changes to the Estimated Final Contract Value. As can be seen there has been a significant decrease in the Estimated Final Contract Value due to the additional wearing course works at Burrumarra Ave being removed from the HPD2 works.

It can also be seen that there has been a significant increase to the amount of approved Variations due to the inclusion of the HPD1/2 scope changes as a Variation. The current Estimated Final Contract Value is compared to the Original Contract Value of. The main reasons for this difference are:

- Variation for Pricing of Missing BoQ Items
- Variation for HPD1/2 Interface Scope of Works changes
- Provisional Sum and Quantity Estimated Amounts (approx.

**Figure 5.2: Monthly changes to SMEC's Estimated Final Contract Value compared to the Original Contract Value plus approved Variations**

## 6. Environment

Joint weekly inspections between SMEC's surveillance officer and Hewatt's representative are ongoing. There have been no site visits by ACT EPA.

During the construction of the permanent stone-pitched floodway the temporary floodways are being altered to allow drainage across the Project at the bridge site.

The site was well prepared for the Christmas shutdown and no major rain events occurred over the break or within January 2014.

There have been no significant (*physical*) environmental issues to report this month.

## 7. Quality

As at 31 January 2014, a total of 258 Hold Points have been raised with 6 yet to be released. The 'open' Hold Points are awaiting works to be completed prior to inspection/release.

A total of 23 NCRs have been raised on the Project to date. This includes 20 Quality NCRs and 3 safety NCRs. There are several NCRs that are awaiting submission from Hewatt. SMEC intends to work through these items in February 2014

A summary of the current status of Hold Points and NCRs can be found in the table below:

Hold Point Register Status	As at 31 January 2014	NCR Register Status	As at 31 January 2014
No. Raised	258	No. Raised	23
No. Open	6	No. Open	1

## 8. Traffic

At the commencement of the Project the site was fenced off to public pedestrian and vehicular access. The only interactions with public traffic is upon entry and exit from the site.

The main entry to the Site Compound is now adjacent to Amaroo School. There have been no incidents with public traffic. It has been noted that a small number of vehicles have inadvertently entered the site through this entry. These vehicles were turned around prior to the site compound.

Construction traffic is currently using the HPD2 bridge for access through the site. All test results had been received and were conforming to 28 day strength prior to trafficking.

## 9. Community

Throughout January 2014 Hewatt and SMEC were in correspondence with Lend Lease to inform him on progress of the electrical trenching required to be undertaken by HPD2 within Springbank Rise.

The Public Liaison Register can be found at Appendix G.

## 10. Industrial Relations

There have been no issues or incidents reported with regards to Industrial Relations to date.

## 11. Upcoming Works

The following works are planned for February 2014:

### Pavements:

- Commencement of base material placement across site;
- Concrete to be poured for medians, islands and kerbs across site;
- Preparation of islands and kerb foundations.

### Bridgeworks & Floodway:

- Construction of retaining wall and commencement of concrete paving beneath bridge;
- Construction of footpath transitions and concrete relieving slab for service conduits through the bridge;
- Completion of stone pitching for bridge abutments.

### Services:

- Completion of Stormwater Line B beneath the bridge (this will complete stormwater works across site);
- Completion of water main works across site and pressure testing of the water main with ACTEW;
- Installation of electrical conduit and cabling from the Substation within Lend Lease's Springbank Rise to provide power supply for the streetlight and traffic light controllers.

### Road Furniture & Misc.:

- Installation of street-lighting and traffic lighting across site;
- Guardrail installation either side of the bridge.

### Landscaping:

- Continue with topsoiling of embankments and swales across the site.

## **Appendices**

- A. WHS Incident Register
- B. EOT Register
- C. Issues Register
- D. Variation Register
- E. Estimated Final Contract Value Summary
- F. RFI Register
- G. Public Liaison Register
- H. Contract Program
- I. Photographs

## Appendix A. WHS Incident Register

**INCIDENT/NEAR MISS REGISTER - ALL**

ID No	Type	Date	Location	Incident Description	Parties Involved	Consequences of Incident	Action Taken	Status
1	WHS Incident	10/05/2013	Site: CH0-500	A member of the public was seen walking on the site	Member of public, Hewatt	No injuries.	Signage and fencing at Site Entry	Closed
2	WHS Incident	23/05/2013	CH450	The temporary site fencing on the Casey Development side of the floodway was damaged/cut open.	Unknown	Damage to fencing.	Fencing was reinstated.	Closed
3	Observation	24/07/2013	Temporary floodway (CH420)	The sandbags used for shoring the access road over the temporary floodway were noticed to be slightly displaced. This was caused by settlement under loading of the access road. If left this could be a potential problem.	Identified by SMEC	N/A	The road crossing has been rebuilt and the sandbags replaced in a more secure formation. Ongoing monitoring will be undertaken.	Closed
4	WHS Incident	11/09/2013	CH1400 - Sewer manhole	Worker placing concrete for sewer manholes was working at heights without adequate safety measures	ACT Civil & Subcontractor	No injuries or accidents.	Hewatt advised ACT Civil of the incident and the work methods being used on site to pour the manholes was adjusted accordingly.	Closed
5	Environmental Incident	15/10/2013	Road 04 Intersection	A dump truck had an engine failure at approx CH840. The truck came to a safe stop with no other damage or injuries.	Machine Operator	Oil and coolant spill from the container and onto the road formation. This was cleaned up by Hewatt. There was no other damage or injuries.	Oil Spill was cleaned up by Hewatt and the incident was recorded	Closed
6	WHS Near Miss	16/10/2013	Embankment adjacent to Western Abutment	A compactor was working close to the edge of the steep embankment - the machine's front wheels got stuck on the edge of the embankment. The compactor was not meant to be working this close to the steep embankment.	Compactor Operator	The compactor required assistance to get out of the situation.	The occurrence was recorded as a near miss due to operator error.	Closed
7	WHS Incident	20/11/2013	HPD1-HPD2 Site Compound	Vandals broke into the site and caused significant damage to the site compound (broken windows), equipment and machinery (water truck graffitied).	Unknown vandals	No injuries or harm was caused to site personnel.	Police examined the vandalism and lodged a report.	Closed
8	WHS Incident	13/12/2013	Block 818	A fire was started in the unleased territory Block 818. The fire is thought to have been caused by mowing that took place within the block.	LDA mowing contractor; Hewatt Site Staff	No injuries or harm was caused to site personnel.	Hewatt attended the fire with fire extinguishers and a water cart. In January 2014, LDA inspected the mowing and Hewatt informed the representatives of the fire. LDA were to investigate.	Closed



## Appendix B. EOT Register

**HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR Contract**  
**No: 2013.20148.110**

**EOT Register**



Date of Issue of Letter of Acceptance	26-February-2013			
Separable Portion No.	SP1	SP2	SP3	SP4
Original Duration (Construction Period + Consolidation Period)	40	66	62	88
Original Date for Practical Completion	3-Dec-13	3-Jun-14	6-May-14	4-Nov-14

EOT Number	Date Raised	Contract Issue Number (if applicable)	Description	Raised By	EOT Claimed (No of Days)	EOT Granted (No of Days)	Revised Date for Practical Completion				Date Hewatt Advised	Status
							SP1	SP2	SP3	SP4		
01	17/04/2013	N/A	Delays to works as a result of For Construction documentation not being provided in a timely manner.		14	0	3/12/2013	3/06/2014	6/05/2014	4/11/2014	17/06/2013	Closed
02	17/04/2013	N/A	Delays to works as a result of late receipt of Letter of Acceptance		2	0	3/12/2013	3/06/2014	6/05/2014	4/11/2014	17/06/2013	Closed
03	21/06/2013		Delays associated with Conservation Management Plan Issues		12	12	19/12/2013	19/06/2014	22/05/2014	20/11/2014	21/06/2013	Closed
04	21/06/2013		Wet Weather 12-14 June 2013		1	1	20/12/2013	20/06/2014	23/05/2014	21/11/2014	21/06/2013	Closed
05	27/07/2013		Wet Weather 24 - 25 June 2013		2	2	7/01/2014	24/06/2014	27/05/2014	25/11/2014	27/06/2013	Closed
06	31/07/2013		Wet Weather 16-19 July 2013		4	4	13/01/2014	14/07/2014	2/06/2014	1/12/2014	31/07/2013	Closed
07	22/08/2013		Wet Weather 6th & 8th August 2013		2	2	15/01/2014	16/07/2014	4/06/2014	3/12/2014	27/08/2013	Closed
08	4/09/2013		Wet Weather, Fri 30 August 2013		1	1	16/01/2014	17/07/2014	5/06/2014	4/12/2014	16/09/2013	Closed
09	25/09/2013		Wet Weather - 16-20 September 2013		5	5	23/01/2014	24/07/2014	12/06/2014	11/12/2014	26/09/2013	Closed
10	27/11/2013		Wet Weather - 12-18 November 2013		5	5	3/02/2014	5/08/2014	19/06/2014	18/12/2014	27/11/2013	Closed
N/A			Amendment to HPD2 SP1&3 Dates for Practical Completion to coincide with completion of HPD1				28/03/2014	26/09/2014	28/03/2014	26/09/2014	17/12/2013	

EOT Number	Date Raised	Contract Issue Number (if applicable)	Description	Raised By	EOT Claimed (No of Days)	EOT Granted (No of Days)	Revised Date for Practical Completion				Date Hewatt Advised	Status
							SP1	SP2	SP3	SP4		
11	22/01/2014		Inclement Weather (High Temperatures) 15-17 Jan 2014		1.5	1.5	31/03/2014	29/09/2014	31/03/2014	29/09/2014	23/01/2014	Closed
12	6/02/2014		Inclement Weather (High Temperatures) 29 Jan - 3 Feb 2014		2	2	2/04/2014	7/10/2014	2/04/2014	7/10/2014	6/02/2014	Closed
				TOTALS	51.5	35.5						

## Appendix C. Issue Register

Issue Number	Description	Details	Date Raised	Raised By	Action	EOT-Variation No (If Applicable)	Status
009	Wearing course for Whitrod-Burrumarra Ave roundabout	SSP/Roads ACT have asked HPD2 to submit an indicative cost for placing the wearing course at the Horse Park Drive Roundabout at Whitrod/Burrumarra Ave.	1/08/2013		SSP advised on 25 Jan 2014 that these works will not be proceeding as part of HPD2. Roads ACT will complete these works under a separate contract.		Closed
010	Boundary Adjustment Issues along Road Corridor	A number of areas have been identified where the construction works for the Project encroach into surrounding properties. The floodway on the Taylor side of the bridge is designed within Block 816's boundary.	23/08/2013		The appropriate surveys and plans have been produced and forwarded to ACTPLA to commence the land withdrawal process with ACTPLA have commenced the land withdrawal process. Date for withdrawal is 4 February 2014. LandData will prepare the amended DP for the new Block.		Closed
011	Proposal to install Conduit Crossings at Road 04 and Mirrabai Dr Intersections	As part of the electrical supply to the streetlight and traffic light controllers, electrical conduit crossings will need to be installed at Road 04 and Mirrabai Dr. It is proposed all conduits be installed to prevent future damage to the completed works.	30/08/2013		SMEC has issued an instruction to Hewatt to provide a price for the works and complete the works.		Open
012	Interface with Ngunnawal 2C	The design for Ngunnawal 2C development on the southern side of Horse Park Drive includes a sound mound that encroaches into the HPD2 Project.	29/08/2013		Brown have responded to RFI063A and have provided advice/confirmation on a number of issues.		Closed
013	HPD1-HPD2 Interface Change in Scope	Due to the relative timings of the two projects, the transition between HPD1 and HPD2 is proposed to be constructed as a single operation.	5/09/2013		SMEC and Brown (Superintendents on HPD1) have met to discuss the division of responsibility for each Superintendent. A Limit of Works has been established between the two Projects. SMEC have issued a formal letter to Hewatt. Hewatt have raised a Variation for these works		Closed
014	Realignment of existing gas main at CH60 to tie into Shared Trench	The existing gas main along Horse Park Drive and across Burrumarra Ave is not in the location shown in the existing services pickup in the design drawings. The line needs to be connected into the shared trench.	1/10/2013		The gas main has been capped at Burrumarra Ave and will be connected into the shared trench alignment at CH60.		Closed
015	Excess Fill from Swale 15	Due to the delay in commencing excavations for Swale 15 (refer to ISS007), all general fill requirements have been satisfied and material from Swale 15 must be spoiled.	25/10/2013		A Hold Point has been released to allow spoiling operations on the Northern side of HPD at CH1440-1780. There was less excavated material than expected.		Closed
016	HPD1 & HPD2 Amalgamation	Hewatt have proposed to merge the two projects into one in order to bring the completion of HPD2 forward and for ease of construction.	8/11/2013		ACT Govt. have agreed to amend the dates for PC for the remaining SPs on HPD1 and HPD2. The two Project will remain separate. SMEC has issued a formal notice of decision to Hewatt.		Closed
017	Connection of Shared Trench to existing services at Burrumarra Ave (CH 60)	The design did not provide information on how to connect the shared trench to existing services.	14/11/2013		Telstra - subcontractor will connect to existing network; NBN Co. will terminate at NBN Co 8 Pit at CH60; Electrical - conduits are to be capped at CH60; Gas - to be connected to existing at Burrumarra Ave.		Closed

**HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR**  
**Contract No: 2013.20148.110**



**ISSUES REGISTER**

Issue Number	Description	Details	Date Raised	Raised By	Action	EOT-Variation No (If Applicable)	Status
001	Environmental Approvals from ACT EPA	Hewatt are to obtain Environmental Approvals from the ACT EPA prior to commencing works. The approval process is taking a long time.	1/04/2013		ACT EPA Approved methodologies and plans on the 24th May 2013		Closed
002	Issues surrounding Springbank Rise (Casey Development) Interface	There were a number of initial concerns from Lend Lease regarding the boundary interface with the HPD2 Project. 1. Locations of stockpiles 2. Casey Headwall	19/04/2013		The interface with Springbank Rise requires ongoing management. Current issues include making good trenching for electrical within Springbank Rise Verge.		Open
003	DA Requirement - Conservation Management Plan	The Development Approval calls for the preparation of a Conservation Management Plan that allows for artefacts comprising HPD PAD1 to be salvaged. Prior to works commencing in and around HPD PAD1, the ACT Heritage Unit need to provide a approval.	11/04/2013		Approval received from ACT Heritage Unit	VO.01 & 02	Closed
004	Bicentennial National Trail (BNT) through Site	The current alignment of the BNT directs users (pedestrians, horses, bicycles) through the HPD2 construction site. A provision needs to be made to redirect the route to allow safety to the trail users	15/04/2013		The route was directed in consultation with BNT Representative. SMEC relocated the signs previously located within HPD2 to locations agreed to with		Closed
005	Treatment of fill & cut areas in poor and good ground conditions	An alternative option to the treatment of unsuitable ground in cut and fill areas was proposed by Hewatt and reviewed by SMEC (in conjunction with Brown Consulting and Douglas Partners). The result of the investigation was to leave the design unchanged.	23/04/2013		The treatments were to remain as per the current design, with the exception of deep fill in good ground conditions, where the treatment on dwg 11 was approved		Closed
006	Approved TCD drawings not yet received	The TCD drawings require approval from Roads ACT. This formal approval has not occurred and therefore the approved drawings have not been issued to the Contractor	27/06/2013		Approved drawings received 8th August 2013		Closed
007	Swale designed within Rural Block 814	The main swale discharging water from the Project has been designed within Rural Block 814. No prior approval has been granted to work within this property. Land withdrawal is required and an agreement with the property owner is being negotiated.	29/06/2013		Agreements have been made with the new leaseholder of the land and construction access was granted on the 10th October 2013. The official Land Withdrawal will take place on the 14th November 2013. The fencing has now been completed.		Closed
008	Pricing of missing Pay Items from BoQ	During SMEC's design review a number of Pay Items were identified to be missing from within the Bill of Quantities. Hewatt are requested to submit prices for these missing Items for payment.	1/08/2013		Hewatt have provided rates for each of the missing items. These rates have been raised as part of V09. SMEC will review and close out the variation.		Closed

Issue Number	Description	Details	Date Raised	Raised By	Action	EOT-Variation No (If Applicable)	Status
018	Outcomes of SMA Investigations on HPD1	EDD engaged a consultant to prepare a report for the placement and use of SMA on HPD1. Outcomes of the report may influence the SMA to be used for HPD2.	7/02/2014	John Husband	EDD will meet with Roads ACT on Tuesday 18 Feb 2014 to discuss potential changes to HPD2 SMA.		Open
019	Handover & WAE for Practical Completion	The requirements for handover of the completed project will be tracked as an issue. HPD2 handover will be completed through Asset Acceptance	7/02/2014	John Husband	Hewatt will provide a schedule for producing WAE drawings and achieving handover for various utility authorities.		Open

**Appendix D. Variation Register**



**HORSE PARK DRIVE EXTENSION – BURRUMARRA AVE TO MIRRABEI DR**  
**Contract No: 2013.20148.110**



**VARIATIONS - REGISTER**

Variation Number	Contract Issue Number	Description	Price Submitted (excl GST)	Price Agreed (excl GST)	Amount Certified to Date (excl GST)	Classification	Support Information	Status
		Quantity Overruns/Underruns						
01	003	Conservation Management Plan				Design/ Document deficiency		Closed
02	003	Delays associated with Conservation Management Plan				Latent/ Site Condition		Closed
03		Not used				Not used		
04	003	Site Visit by Heritage Consultant to advise on CMP				Design/ Document deficiency		Closed
05	002	Regrading of mounds between HPD2 & Springbank Rise				Latent/ Site Condition		Closed
06		Changes to the Watermain from Tender				Scope Change		Agreed
07		Supply and Installation of Combined Usage Pole				Contractor Proposed Alternative		Agreed
08		Select GBR Changes from Design to Construction				Design/ Document deficiency		Agreed
09	008	Pricing of Missing Pay Items from the Bill of Quantities				Design/ Document deficiency		Agreed
10		Supply of 375mm uPVC Sewer Pipe not used				Design Improvement		Closed
11		Anti-graffiti coating on bridge surfaces				Superintendent Request		Agreed
12	007	Survey Works for Fence Realignment at Swale 15				Design/ Document deficiency		Closed
13	N/A	Additional Works for the Floodway				Scope Change		Closed
18	017	Additional works with Gas Main from Ch60 - Ch20				Latent/ Site Condition		Closed
21	017	Additional works with Telstra from Ch20 - Ch60				Latent/ Site Condition		Closed
22		Additional Length of PD1 Fencing with In-situ Footings				Limit of Accuracy		Closed

Variation Number	Contract Issue Number	Description	Price Submitted (excl GST)	Price Agreed (excl GST)	Amount Certified to Date (excl GST)	Classification	Support Information	Status
25	011	Additional Shared Trench Road Crossings at CH970 and CH1500				Design Improvement		Closed
26		Deduction for the use of Jute Mesh as opposed to Jute Mat				Contractor Proposed Alternative		Agreed
29	013	HPD1 & HPD2 Quantity Adjustments for Changes in Scope of Works				Scope Change		Pending
30		Additional Shared Trench at East side of Mirrabel Dr				Superintendent Request		Closed
<b>TOTALS</b>								

## Appendix E. Estimated Final Contract Value Summary

Horse Park Drive Extension Project (Burrumarra Ave to Mirrabell Dr) - January 2014

### ESTIMATED FINAL CONTRACT VALUE

Principal: ACT Shared Services Procurement  
 Superintendent: SMEC Australia Pty Ltd  
 Contractor: Hewatt Pty Ltd  
 Contract No: 2013.21048.110

				Period Up To	end of Jan-2014
Section No	Description	Original Contract Value (excl GST)	Estimated Final Value (excl GST)	Difference	Quantity Overruns to Date
<b>Civil Works</b>					
0	Preliminaries	\$			
1	Provision for Traffic	\$			
2	Earthworks	\$			
3	Underground Services	\$			
	Excavation and Backfilling	\$			
	Sewerage	\$			
	Stormwater Drainage	\$			
	Subsoil Drains	\$			
	Conduits	\$			
	Water Supply Mains	\$			
4	Flexible Pavement Construction	\$			
6	Concrete Kerbs, Footpath & Minor works	\$			
7	Road Furniture	\$			
8	Incidental works	\$			
9	Landscape	\$			
10	Road Signs	\$			
11	Pavement Marking	\$			
13	Traffic Signals	\$			
14	Street Lighting	\$			
16	Bridge Works	\$			
	<b>Subtotal:</b>	\$			
<b>Variations</b>					
	<b>Subtotal:</b>	\$			
<b>Quantity Overruns/Underruns</b>					

Total (Excl GST): \$

GST Applicable: \$

Total (Incl GST): \$

**Appendix F. RFI Register**

REQUEST FOR INFORMATION (RFI) - OPEN OR THIS MONTH



Status Legend:

- Not Urgent
- Moderate Priority (1-2 weeks)
- Urgent (1-2 days)

RFI Number	Description	Date Raised	Issued to Designer?	Date Issued to Brown	Response From Brown	Discipline:	Classification	Comment	Response Issued to Contractor	Status
092A	Proposal to revise alignment and location of the shared trench road crossings at CH 970 and Road 04.	7/01/2014	No	7/01/2014		Utilities	Construction Alternative		8/01/2014	Closed
093A	Details for termination of shared trench at Mirrabai Dr stub	23/01/2014				Utilities	Design Clarification		28/01/2014	Closed
094A	Proposed changes to drainage configuration at Mirrabai Dr stub	13/01/2014	No			Drainage	Design Error		13/01/2014	Closed
095A	Confirmation of gas pipe diameter for Road 04 stub	16/01/2014	No			Utilities	Design Clarification		24/01/2014	Closed
096A	Locations of conduits to provide power (& comms) to SLCC and TLC	23/01/2014	No			Utilities	Design Clarification		12/02/2014	Closed
097A	Issues associated with transition of footpath and kerb from Bridge & Approach Slab	21/01/2014	Yes	21/01/2014	28/01/2014	Concrete Kerbs, Footpaths and Minor Works	Design Error		28/01/2014	Closed
098A	Approval for disposal of additional trench spoil material at approx CH460-600 (Taylor side)	21/01/2014	No			Earthworks	Other Approval		12/02/2014	Closed
099A	Clarification of edge detail to stone pitching at floodway	29/01/2014	Yes	29/01/2014	29/01/2014	Incidental Works	Design Clarification		29/01/2014	Closed

Total = 8

## Appendix G. Public Liaison Register

**PUBLIC LIAISON REGISTER - ALL**



Liaison No.	Date Raised	Liaison Initiator	Person Contacted	Location	Description	Date Actioned	Action Taken	Status	Comment
1	29/04/2013	(SMEC)	(DN1)	Site - General	Numerous discussions have been regarding the re-alignment of the Bicentennial National Trail throughout construction.	9/05/2013	Following meeting with on-site and agreeing on a re-alignment, signage previously within HPD2 alignment was relocated along the new alignment	Closed	
2	2/05/2013		(Lend Lease - Springbank Rise)	CH0-450	Project Interface Meeting held at SMEC Offices to discuss potential interface issues between the Lend Lease Casey Development and HPD2	2/05/2013	Minutes of the meeting were taken and actions assigned to each party. This action will be ongoing for the most part of SP1.	Closed	
3	29/05/2013				Hewatt contacted regarding access within his property to complete the designed works.		Ongoing meetings are being held with	Closed	Refer to ISS007
4	13/06/2013			Telephone	Organised a meeting on 14/06/2013 to discuss fencing works associated with the Project on his property, also advised he wished to move his sheep/cattle from	14/06/2013	Meeting scheduled for 14/06/2013	Closed	
5	14/06/2013	Site (Hewatt-SMEC)			Meeting held with : The farmer has asked to fence his stock across the site at the end of July; Fencing location was agreed as well as the installation of an additional gate.	26/06/2013	Gate installed and rules put in place to allow to relocate his cattle and sheep.	Closed	
6	12/06/2013		John Husband	Email	contacted the ACT Government to enquire about the timing of the Horse Park Drive Projects	18/06/2013	John Husband replied to , advising the estimated completion dates for the two projects.	Closed	
7	12/07/2013		John Husband		and John met with to discuss works designed within and various approvals that may be required to conduct these works (including land withdrawal).	16/07/2013	Hewatt to set up pegs along intended boundary alignment; survey to be undertaken and ACTPLA to be contacted to initiate discussions. Another meeting to be held with soon.	Closed	
8	12/07/2013	(Lend Lease - Springbank Rise)		Email	I was asking about the timing for the completion of the HPD works.	16/07/2013	advised of the likely completion dates.	Closed	
9	16/07/2013				and met with to show him the marked out pegs and to discuss locations of gates, etc.	5/08/2013	Ongoing actions: 1. Get survey plan to show ACTPLA; 2. Initiate withdrawal; 3. Attempt to set up	Closed	
10	12/07/2013	Member of Public	Hewatt Contractors	Hewatt Site Office	A member of the public called into the site office to ask about the expected completion date of the Project.	12/07/2013	Hewatt advised the person it would likely be completed by mid-2014	Closed	

Friday, 7 February 2014

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Liaison No.	Date Raised	Liaison Initiator	Person Contacted	Location	Description	Date Actioned	Action Taken	Status	Comment
11	5/08/2013		John Husband		Meeting with to discuss potential to access property prior to land withdrawal. did not agree as he is in the process of selling the property	5/08/2013	Hewatt were informed of the situation and alternative arrangements are to be made.	Closed	
12	7/08/2013		Patrick Hancock/John Husband	Email	I was wondering the staging of the two remaining HPD Projects and possible implications to traffic through Ngunnawal.	7/08/2013	Patrick informed Ben the Jacka/Amaroo end will be completed 1st and then Stage 2 (Casey end).	Closed	
13	12/08/2013		T. Gordon (ACT Government)	Meeting Venue	T. Gordon attended the meeting within the week commencing 12/08/13 to update the meeting on HPD1/HPD2 progress.		N/A	Closed	
14	8/08/2013	Member of the Public	Chief Minister Talk Back	N/A	A member of the Public asked a question during the Chief Minister Talk Back time about the timing of the HPD1 and HPD2 Project completion dates.	9/08/2013	A response was due to be issued on Fri 9/8/13.	Closed	
15	16/08/2013			Phone	contacted regarding works required within (which he has a 'grazing licence' on). was happy for works to go ahead as long as he was notified and fences remained stockproof.	28/10/2013	informed Refer to Liaison No. 20	Closed	
16	19/09/2013			Phone	contacted regarding the sale of his land. He advised that settlement is still due on the 30th Sep 2013 and that should call after this date and details of the new owner can be exchanged.	4/10/2013	contacted on the 4th Oct 2013, gave the contact details of the new owner and informed that the sale was likely to settle on the 4th Oct 2013.	Closed	
17	1/10/2013	(Twitter)	ACT Gov	Twitter	was enquiring about completion dates for HPD1 and 2.	2/10/2013	John Husband responded to the appropriate people within ACT Gov, to then give an answer	Closed	
18	4/10/2013			Phone	contacted (new leaseholder of) to initiate agreements about accessing his property for the construction of Swale 15 prior to the official land withdrawal. was understanding and signed an agreement that was emailed to him a	10/10/2013	will keep informed of any Project related activities that will likely affect his property.	Closed	
19	14/10/2013			Phone	contacted (who has his cattle on agistment in) to inform him that fencing works for the land withdrawal area were commencing.	14/10/2013	Hewatt completed fencing works surrounding Swale 15 and have isolated the construction area.	Closed	
20	28/10/2013			Phone	contacted to inform him of works within (on which he holds a grazing licence).	28/10/2013	Hewatt are completing works within the property, relocated livestock to another paddock whilst works are being completed	Open	
21	13/11/2013	Sharon Harmer (ACTPLA)		Letter	The formal notice for the withdrawal of land from was sent to . The date of withdrawal will be 4 February 2014.	13/11/2013	N/A	Closed	
22	16/12/2013			Phone	called up about a few problems with the fencing along the eastern side of HPD where he has a grazing licence on LDA land. There were 3 locations that needed fixing.	18/12/2013	Hewatt repaired the fences such that they were stockproof for the Christmas shutdown period. returned phone call to inform him that the fences had been fixed (a more permanent fix will be completed in 2014).	Closed	

Friday, 7 February 2014

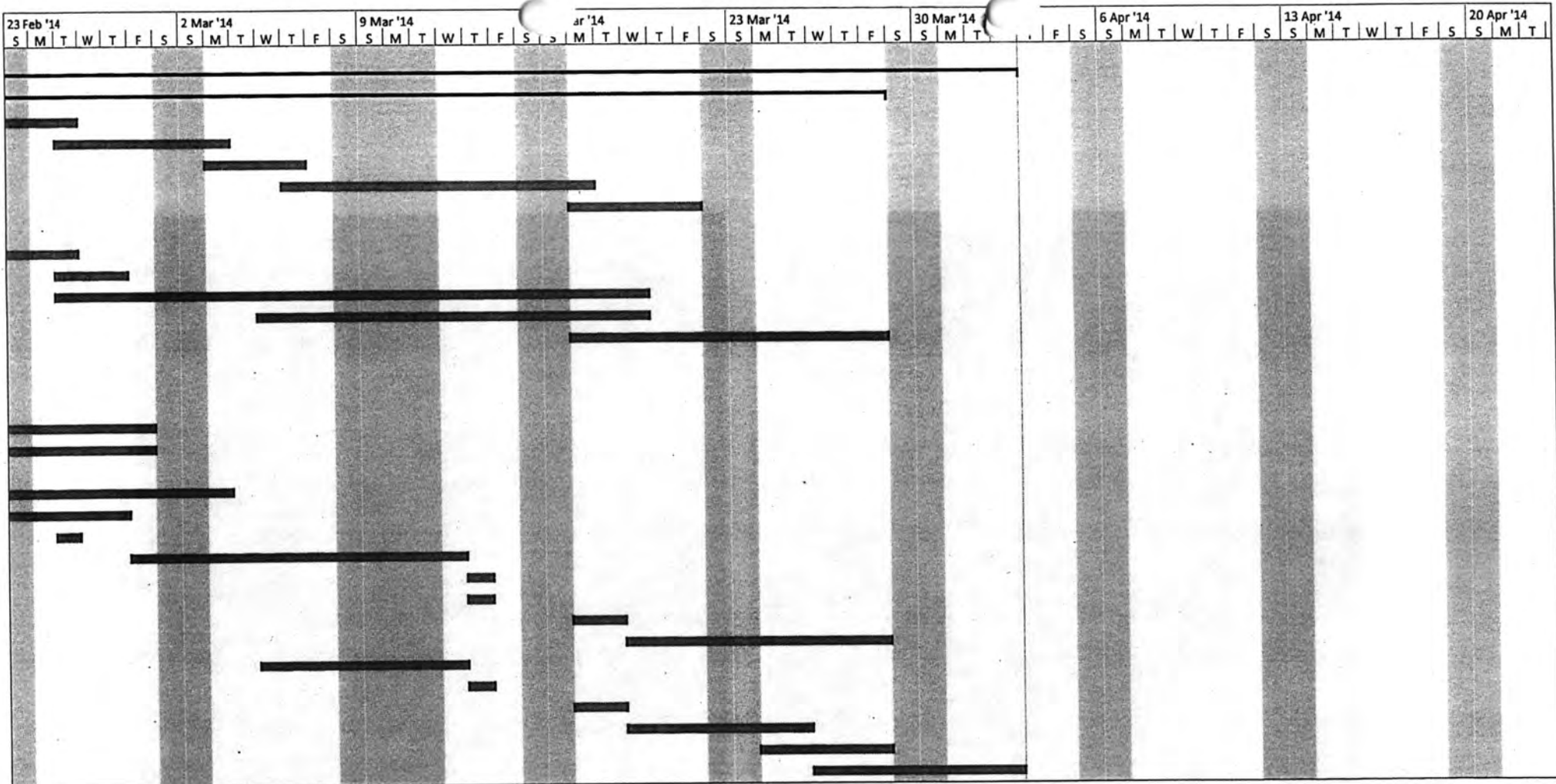
Page 2 of 3

Liaison No.	Date Raised	Liaison Initiator	Person Contacted	Location	Description	Date Actioned	Action Taken	Status	Comment
23	15/01/2014	Hewatt	(Lend Lease)	Phone	Hewatt informed Lend Lease that trenching works within Springbank Rise would commence on Monday 20 Jan 2014. Lend Lease did not have any issues with this.	31/01/2014	None required. Lend Lease will be informed when works are complete.	Closed	
24	30/01/2014	(Lend Lease)		Email	I was asking about the likely completion date for Hewatt's trenching works within Springbank Rise	31/01/2014	I responded to Lend Lease, informing them that the trenching work would be completed within Springbank Rise by mid-week commencing 3/2/14	Closed	



## Appendix H. Program

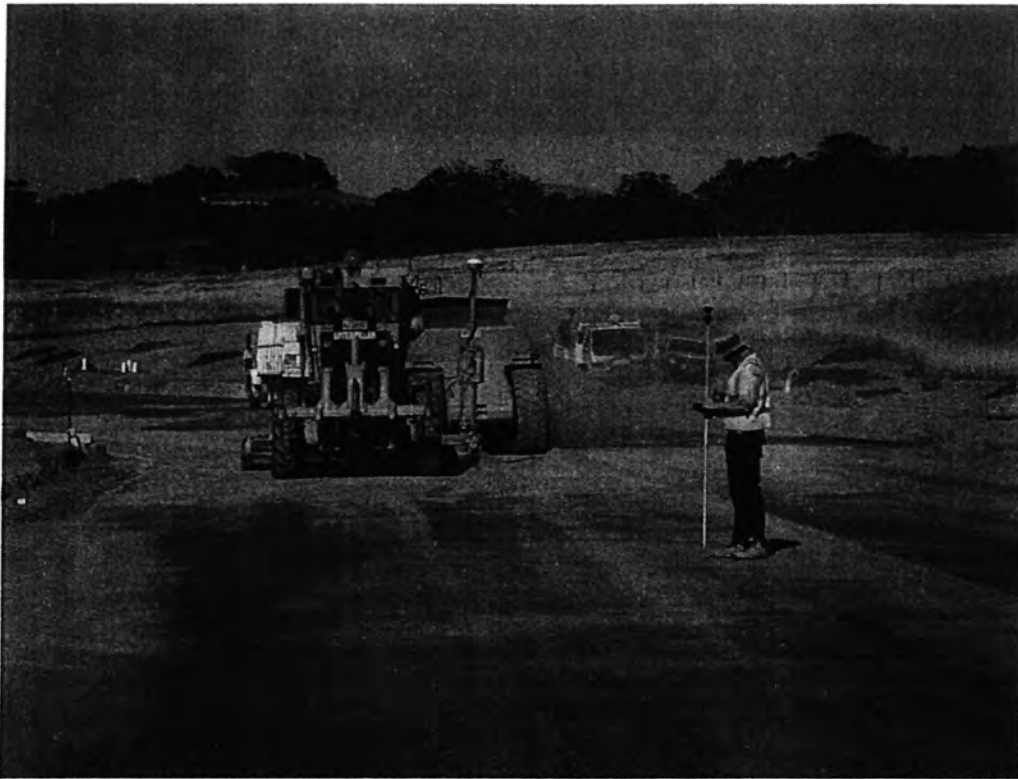




Project: Horse Park Dr 2  
Date: Fri 14/02/14

Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Deadline	
Split		External Tasks		Inactive Summary		Manual Summary		Progress	
Milestone		External Milestone		Manual Task		Start-only		Manual Progress	
Summary		Inactive Task		Duration-only		Finish-only			

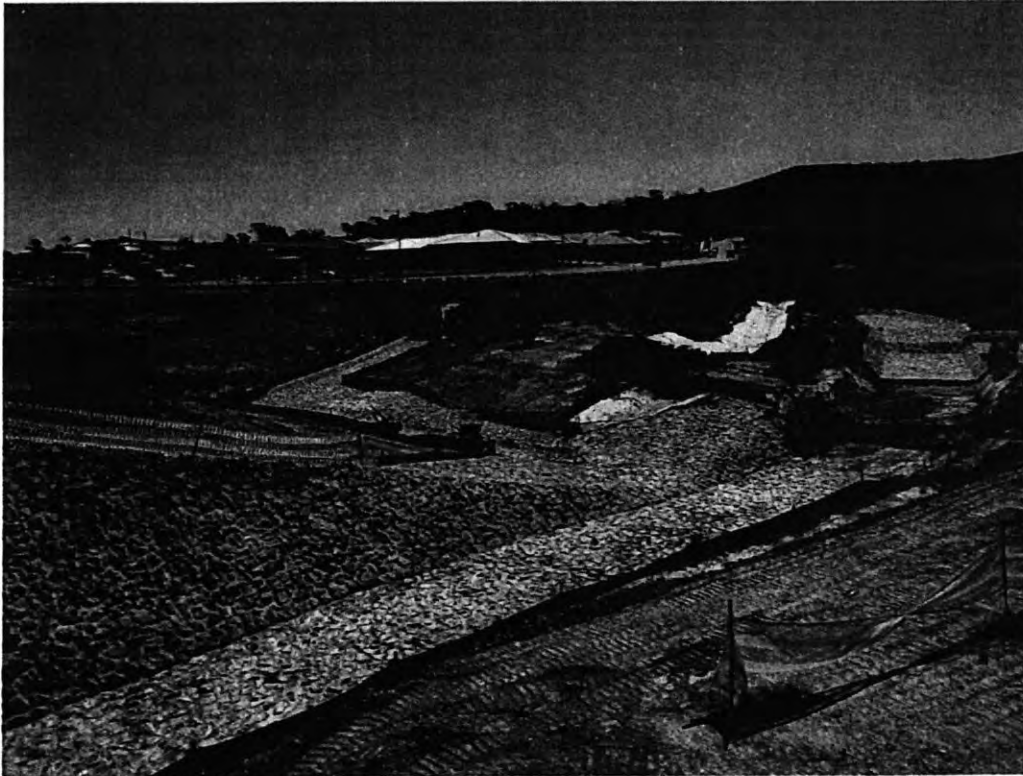
**Appendix I. Photograph**



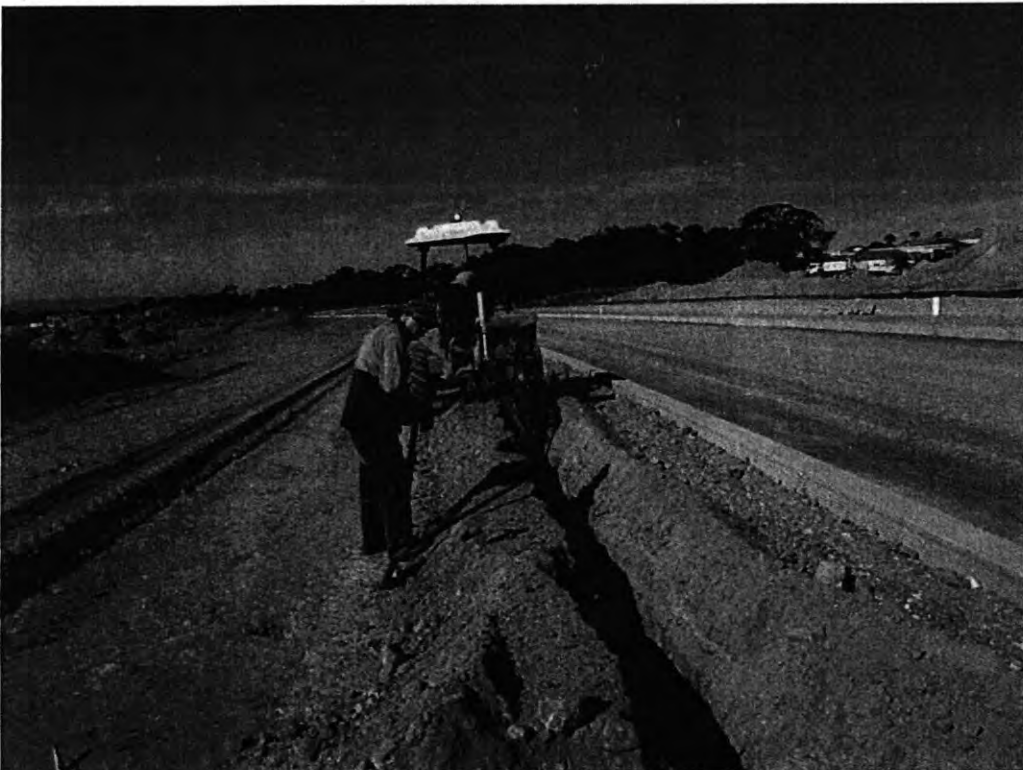
*Image 01: Survey conformance being completed on Select Material adjacent to Road 04 Intersection*



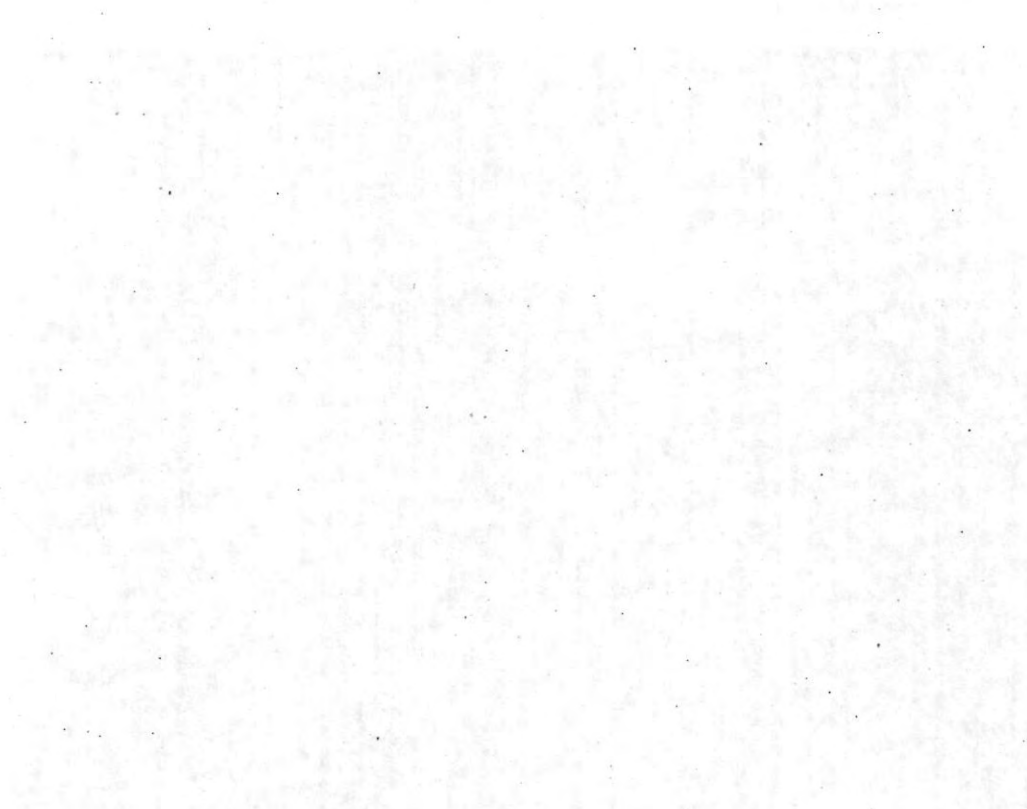
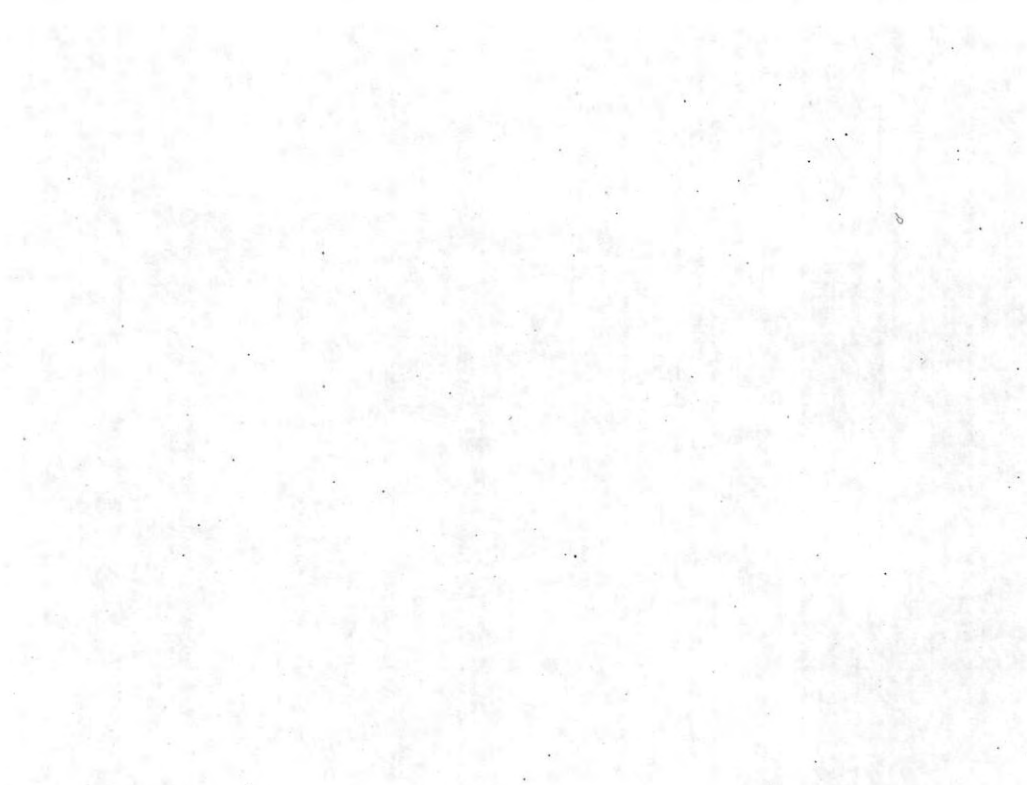
*Image 02: Placement of sub-base material and preparation of kerb foundations*



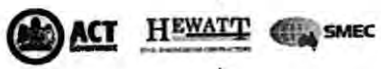
*Image 03: Stone-pitching of floodway and connection to Casey headwall outlet*



*Image 04: Trenching for streetlight conduits west of bridge site.*



# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



WEEKLY REPORT FOR WEEK ENDING: 25 January 2014

**1. WHS**

- a. Site inductions continuing;

**2. Traffic Management**

- a. The client requested to change the entrances of the site on the existing road at HPD1 by shifting traffic onto opposite sections of the newly laid asphalt, in order to monitor the effect of traffic on the road surface. No changes have been made to the site access road as of yet. Hewatt are in correspondence with HPD1 Superintendent.

**3. Design**

- a. *Location of street-lighting beneath bridge (RFI079A)* – Hewatt to provide prices for the revised design.
- b. *Transition of footpath and kerb from earthworks formation to approach slab and bridge (RFI097A)* – SMEC has issued a response to Hewatt using information and revised design details provided by Brown.

**4. Construction**

- a. Shared trench conduits laid and backfilled 95% complete;
- b. Subsoil lines 95% completed – high end risers to be installed;
- c. Guard and hand rail installation continuing at the bridge (footings for handrails awaiting response to RFI097A);
- d. Construction of stormwater line B commenced;
- e. Scour valve outlet pipe connected to headwall at CH 30 (LHS);
- f. Stone pitching connecting Casey storm water end wall to Horse Park Dive floodway completed;
- g. Kerb and gutter completed to Road 4 on both sides of the carriageway;
- h. Excavation, laying and backfilling of conduit for street light power supply from Casey substation commenced;
- i. Base slabs for 300mm end walls completed;
- j. Sub-base completed CH980 and CH1490 to HP1 tie in.

**5. Meetings**

- a. HPD2 Site Meeting was held on Friday 24 January 2014.

**6. Issues**

- a. *Wearing Course at Burrumarra Ave (ISS009)* – these works will no longer be completed by Hewatt as part of HPD2;
- b. *Additional Conduit Crossings across HPD at Mirrabai Dr and Road 04 Intersections (ISS013)* – works have been completed, Hewatt will submit a price for these works to SMEC;
- c. *Interface with Springbank Rise (ISS002)* – trenching within Springbank Rise is ongoing and expected to be complete by 31 Jan 2014.

**7. Payments**

- a. SMEC expects to receive Hewatt's preliminary claim for January 2014 on Monday 3<sup>rd</sup> February 2014.



**8. Activities Planned for the Upcoming Fortnight**

RDO on Tuesday 28 January and forecast temperatures of 37<sup>o</sup> for the remainder of the week may limit production.

- a. Trim sub base to design levels;
- b. Stone pitching of floodway;
- c. Continue installation of electrical conduit from Casey;
- d. Kerb construction carriageway and traffic islands;
- e. Excavation and laying stormwater line B beneath the bridge;
- f. Pour and complete 300mm end walls.

Superintendent's Representative  
Horse Park Drive Extension, Burrumarra Ave – Mirrabai Dr  
SMEC Australia Pty Ltd  
E: [@smec.com](mailto:HPDE@smec.com) Ph:



**Photos**



*Image 01: Excavations commenced for installation of Stormwater Line B beneath bridge.*

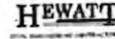


*Image 02: Trenching for subsoils east of Road 04 Intersection*



*Image 03: Level issues with the transition of footpath and pedestrian handrail at bridge (RFI097A)*

**HORSE PARK DRIVE EXTENSION  
BURRUMARRA AVENUE to MIRRABEI DRIVE**



**MEETING: SITE MEETING - MINUTES**

**LOCATION:** Project Site Office, Horse Park Drive, Jacka  
**DATE:** Friday, 24 January 2014  
**TIME:** 10.30am

**ATTENDEES:**  
**Economic Development Directorate:** Michael McGrath (MM)  
 John Husband (JH)  
 Michael Sergi (MS)  
**Shared Services Procurement:** Patrick Hancock (PH)  
 James Cargill (JC)

**Brown:**

**SMEC:**

**Hewatt:**

No.	Item Description	Action
01.	<p>WHS</p> <ul style="list-style-type: none"> <li>• PH was to follow up on requirement/organisation of WHS Audit for HPD2.</li> <li>• There was a single incident added to the register on 13 December 2014 – a small grass fire was started in Block 818 adjacent to the Project corridor. Hewatt assisted in extinguishing the fire. It was thought to be started by a mowing contractor for the LDA creating a fire break. LDA have since visited the site and were informed of the fire. LDA were going to investigate. JC was to check progress/status of this.</li> </ul>	PH
02.	<p>Review Previous Minutes / Matters Arising</p> <ul style="list-style-type: none"> <li>• Prices for several proposed Variation works are to be submitted by Hewatt with Variation letters, including:               <ul style="list-style-type: none"> <li>○ Conduit crossings;</li> <li>○ Additional works associated with supplying electricity to the traffic and streetlight controllers;</li> <li>○ HPD1/2 interface changes in scope (price has been received and accepted, a Variation needs to be raised so that quantities can be claimed).</li> </ul> </li> </ul>	
03.	<p>Design</p> <ul style="list-style-type: none"> <li>• RFIs: 97 submitted; 3 open</li> <li>• RFI079A (Streetlighting beneath bridge) – a response has been issued. Hewatt will provide two prices for the change in design (for 'Ford' style pole to match HPD1 and a standard galvanised pole). The same solution implemented on HPD1 is yet to be accepted by TaMS – it is awaiting response/inspection from Chris DeChamps.</li> <li>• RFI087A (Change in footing type for stone pitched wall) – Brown have endorsed the proposed changes to the footing. This will result in a footing that is easier to construct.</li> </ul>	Hewatt



	<ul style="list-style-type: none"> <li>RFI097A (Transitions of footpath and kerb to bridge) – the design for the earthworks abutting the approach slab did not tie in to the formation of the footpath and fencing on the bridge. Brown are reviewing the error and are expected to respond this afternoon (Friday 24/01/2014).</li> <li>Other open RFIs are relatively minor and a response will be issued shortly.</li> <li>noted that Hewatt would raise an RFI in relation to changes to the design of the seal to be used for HPD2.</li> <li>JH provided an update on the report that the ex-RMS consultants were putting together for the asphaltting on HPD1 (and the use of SMA across the territory). JH expected the report for HPD1 SMA would be received next week (week ending Fri 31/01/2014).</li> </ul>	<p>/Brown</p> <p>/Hewatt</p>									
04.	<p>Site Compound</p> <ul style="list-style-type: none"> <li>Nil.</li> </ul>										
05.	<p>Program</p> <ul style="list-style-type: none"> <li>Hewatt are currently revising the construction program and forecast cash flow to Project completion. The completion date still looks to be towards the end of March 2014.</li> <li>Progress in January has generally been pretty good. Subsoils, sub-base placement and shared trench are all nearing completion.</li> <li>SMA still programmed to be placed in March 2014.</li> <li>updated current PC dates, as per below:</li> </ul> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th colspan="3">Current PC Dates</th> </tr> </thead> <tbody> <tr> <td>SP1 &amp; SP3</td> <td>Civil, Burrumarra Ave – HPD1</td> <td>31 Mar 2014</td> </tr> <tr> <td>SP2 &amp; SP4</td> <td>Landscape, Burrumarra Ave – HPD1</td> <td>29 Sep 2014</td> </tr> </tbody> </table>	Current PC Dates			SP1 & SP3	Civil, Burrumarra Ave – HPD1	31 Mar 2014	SP2 & SP4	Landscape, Burrumarra Ave – HPD1	29 Sep 2014	
Current PC Dates											
SP1 & SP3	Civil, Burrumarra Ave – HPD1	31 Mar 2014									
SP2 & SP4	Landscape, Burrumarra Ave – HPD1	29 Sep 2014									
06.	<p>Environmental</p> <ul style="list-style-type: none"> <li>No EPA visits in Dec 2013/Jan 2014;</li> <li>asked when bitumen straw mulching is planned for the topsoiled areas (particularly up around Casey where dust is more of an issue due to inhabited homes). Hewatt were to consult the landscape subcontractor.</li> </ul>										
07.	<p>Industrial Relations</p> <ul style="list-style-type: none"> <li>Nil.</li> </ul>										
08.	<p>Traffic</p> <ul style="list-style-type: none"> <li>noted that the ex-RMS asphalt consultants requested that the entrance arrangement at Amaroo School be realigned in order to identify whether it is having an effect on the SMA.</li> </ul>										
09.	<p>Community</p> <ul style="list-style-type: none"> <li>The only addition to the Public Liaison Register since the last meeting has been the notification given to Lend Lease regarding trenching works within Springbank Rise. The trenching works have commenced and Lend Lease have no issues with the works. Hewatt will inform Lend Lease upon completion of works in the area.</li> </ul>										
10.	<p>Staffing</p> <ul style="list-style-type: none"> <li>has taken over as Project Engineer. has left the Project.</li> <li>JC is working with PH for SSP on a number of Projects. He will be keeping Pat informed of any necessary items.</li> </ul>										
11.	<p>Utilities</p> <ul style="list-style-type: none"> <li>Watermain handover is expected to occur towards the end of</li> </ul>										

	<p>February. Pressure testing will be carried out following the installation of the scour outlet next to the floodway.</p> <ul style="list-style-type: none"> <li>• Hewatt will be ready for ActewAGL to pull cables for electrical supply to traffic and streetlight controllers by mid-February. Hewatt to liaise with ActewAGL to book a date.</li> <li>• Telstra subcontractor to install connection from traffic light controller in HPD1 (Jack Access 1) to HPD2 (Mirrabai Dr). Works to be completed as part of Provisional Sum.</li> </ul>	
12.	<p>Issues</p> <ul style="list-style-type: none"> <li>• Additional wearing course works around Burrumarra Ave – Roads ACT to still confirm a number of design details including temporary kerbing, TCDs, etc. Once these details are confirmed TTMPs will need to be prepared. JC was to follow the issue up with PH. <ul style="list-style-type: none"> <li>○ Post-meeting note: PH informed SMEC (25/01/2014) that the wearing course works at Burrumarra Ave will no longer be carried out by Hewatt as part of HPD2. Roads ACT will complete these works.</li> </ul> </li> <li>• didn't have any other major issues, however mentioned potential issues with supply of gravels on demand and progress of kerb subcontractor.</li> <li>• will inform Roads ACT (B.McHugh) of the revised dates for the opening of HPD1&amp;2.</li> </ul>	
13.	<p>EOT</p> <ul style="list-style-type: none"> <li>• EOT Status (11 submitted): 49.5 Days Claimed; 33.5 Days Granted</li> </ul>	
14.	<p>Variations</p> <ul style="list-style-type: none"> <li>• Status (including BoQ over/underruns) Submitted; [redacted]. Agreed; [redacted] Certified for payment (as at end of Dec '13)</li> <li>• There are still a number of Variations that Hewatt have informed SMEC of that need to be formally raised with a Variation Claim letter.</li> <li>• noted if the wearing course work is to be carried out as part of HPD2, variations will be close to [redacted].</li> </ul>	
15.	<p>Progress Claims</p> <ul style="list-style-type: none"> <li>• Progress Claim No. 9 Certificate for December 2013 issued.</li> <li>• SMEC and Hewatt will close off the Provisional Quantity Pay Items as the associated work is completed (rather than waiting until the end of the Contract).</li> <li>• asked about dates for payments for HPD1 and HPD2's December 2013 claims. <ul style="list-style-type: none"> <li>○ Post-meeting note: PH advised that payment for HPD1 will be on 28 January 2014 and HPD2 on 30 January 2014.</li> </ul> </li> </ul>	
16.	<p>Quality Assurance</p> <ul style="list-style-type: none"> <li>• HPs: 252 raised; 9 open</li> <li>• NCRs: 23 raised (19 Quality; 4 Safety)</li> <li>• Majority of open Hold Points were awaiting construction/action from Hewatt prior to release.</li> <li>• NCR status unchanged since last meeting.</li> <li>• JH noted that the quality of the stone-pitching had improved. What had been produced since the last meeting looked good. A section of stone-pitching is still to be replaced.</li> </ul>	

17.	<p>Working hours and days</p> <ul style="list-style-type: none"> <li>Australia Day Public Holiday Monday 27<sup>th</sup> Jan 2014 &amp; RDO Tues 28<sup>th</sup> Jan 2014.</li> </ul>	
18.	<p>Construction Matters</p> <ul style="list-style-type: none"> <li>Anti-graffiti coating to be clear coloured (unlike HPD1). Cracks in concrete abutments still need to be rectified prior to application of coating.</li> </ul>	
19.	<p>Subcontractors</p> <ul style="list-style-type: none"> <li>to send over contract for Lines and Signs subcontractor.</li> </ul>	
20.	<p>Next Meeting(s)</p> <ul style="list-style-type: none"> <li>Friday, 7<sup>th</sup> February 2014 – Site Meeting</li> </ul>	
21.	Other?	

# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



WEEKLY REPORT FOR WEEK ENDING: 18 January 2014

## 1. WHS

- a. Site inductions continuing;
- b. Hewatt's stopped work on site when temperatures reached 37 °C. As a result, there were no activities on site in the afternoons (after 1pm) on Wed, Thurs and Fri and no work on Sat.

## 2. Traffic Management

- a. The bridge at CH 440 is now open for construction traffic. Hewatt has started excavation & stone pitching works in swale on LHS verge, therefore diverted site traffic over the bridge.
- b. The client requested to change the entrances of the site on the existing road at HPD1 by shifting traffic onto opposite sections of the newly laid asphalt, in order to monitor the effect of traffic on the road surface. No changes have been made to the site access road as of yet.

## 3. Design

- a. *Location of street-lighting beneath bridge (RFI079A)* – SMEC has issued Brown's response to Hewatt. The solution included reducing the height of the column to 4.5m and orientating the access panel towards the footpath. There may be additional costs for columns already manufactured and not required.
- b. *Change of footing type for Stone Wall beneath bridge (RFI087A)* – SMEC has issued Brown's endorsement of the proposal to Hewatt.
- c. *Proposed changes to drainage configuration at Mirrabei Dr Stub (RFI094A)* – the subsoil drainage cannot be constructed as per the design due to the shallow stormwater connections and road level constraints. SMEC has endorsed Hewatt's proposal and works have proceeded. SMEC has also asked Brown to review the response.
- d. *Design changes to gas pipe size at Road 4 and road crossing (RFI095A)* – Hewatt submitted an RFI based on information received from the gas subcontractor of a change in pipe size from 50mm to 110mm Ø at Road 4. ZNX confirmed this change with a marked-up drawing, also showing a 110mm Ø pipe at CH 970 road crossing. No pipe required at CH 1500 road crossing. SMEC issued this response to Hewatt.

## 4. Construction

- a. Complete laying of conduits and bedding sand for shared trench from CH 850 to 900 and 980 to 1400 and Road 4;
- b. Laying of gas pipe started in shared trench from CH 840 to CH 1400 and along Road 4 (110mm);
- c. Place and compact DGB material from CH 1600 to 1880
- d. Completed select material at islands and final grading of select at Road 4;
- e. Complete Subsoil installation between CH1200 and 1580 (rework of subsoil between CH 1520 and CH1580 due to design change);
- f. Subsoil installation started at Road 04.
- g. Complete subsoil installation and ditch excavation at Mirrabei Dr as per RFI094A.
- h. Handrails and guardrail installation on bridge continued;
- i. Revised setting out stormwater line under bridge (North side) as per RFI067A and excavation started on western side pit under the bridge.
- j. Backfilling and compaction of revised shared trench road crossing at Road 04.



- k. Laying NBN conduits and pit installation from CH 840 to Mirrabai Dr. NBN rep did an inspection on Fr and no issues found. Backfilling started at CH 840 to 900.
- l. Shared trench excavation from Mirrabai Dr to CH 1540
- m. Damaged Stormwater pipe found at Rd 04 still to be rectified.
- n. Gas pipe welding continues at CH 1100
- o. Stone pitching works continues west of bridge
- p. Grading of select fill between CH 1200 to 1600.

**5. Meetings**

- a. No meetings this week. The next site meeting will be 24 January 2014.

**6. Issues**

- a. *Wearing Course at Burrumarra Ave (ISS009)* – Roads ACT are expected to respond to SSP in the coming week regarding details relating to the works;
- b. *Additional Conduit Crossings across HPD at Mirrabai Dr and Road 04 Intersections (ISS013)* – works have been completed, Hewatt will submit a price for these works to SMEC;
- c. *Interface with Springbank Rise (ISS002)* – Hewatt are planning on commencing trenching within the next fortnight. Contact with Lend Lease will be made accordingly.
- d. *Supply of stone for stone-pitching* – a stockpile of stone delivered to site prior to the Christmas break was a different colour to the previous deliveries. The quarry has informed Hewatt that the original colour is still available, although the stones may not be the required size. Hewatt will look at using a rock hammer to break them up.

**7. Payments**

- a. SMEC has reviewed Hewatt's December 2013 Claim. Amount claimed:  
 Amount certified: The amount certified included a negative claim to annul Streetlight materials claimed in October 2013(as Bank Guarantee was not provided).
  - As the amount Certified and Invoiced in the October 2013 Claim included this amount (& was paid short), Hewatt will invoice for December 2013 (to include payment for the as the total cumulative amount certified should now be paid in total).

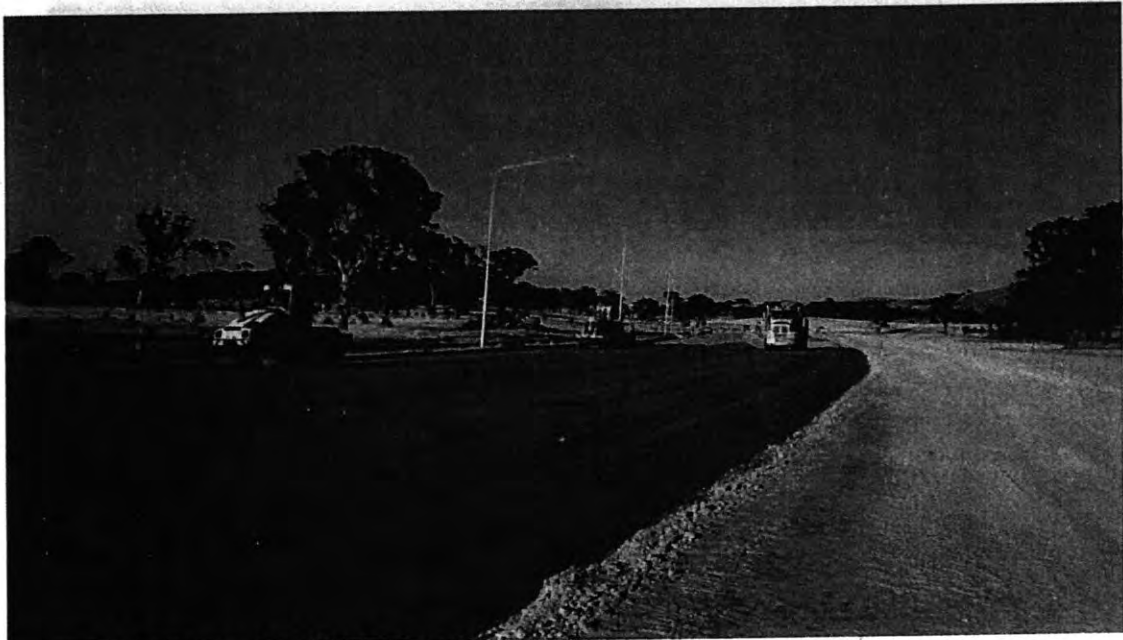
**8. Activities Planned for the Upcoming Fortnight**

- a. Completion of the shared trench between CH 1480 and 1540
- b. Install traffic signal conduits at Road 04 intersection
- c. Complete subsoil drainage installation at Road 4
- d. Complete stone pitching works on the western side of bridge and rework of rejected stone pitching section on the south.
- e. Excavation and electrical conduit laying for the connection to Springbank Rise
- f. Kerb laying either side of the bridge
- g. Excavation and laying stormwater pipe under bridge
- h. Concreting of remaining headwalls
- i. Laying DGB between CH 1420 to 1600 and CH 720 to 980.

Superintendent's Representative  
 Horse Park Drive Extension, Burrumarra Ave – Mirrabai Dr  
 SMEC Australia Pty Ltd  
 E: @smec.com Ph:



**Photos**



*Image 01: DGB material at CH 1600 to 1880*



*Image 02: Guardrail and handrail installation on bridge*



*Image 03: Stone pitching at western side of bridge*



*Image 04: Gas pipe and NBN conduits, CH 1200*

# HORSE PARK DRIVE EXTENSION BURRUMARRA AVENUE to MIRRABEI DRIVE



WEEKLY REPORT FOR WEEK ENDING: 11 January 2014

## 1. WHS

- a. Site inductions continuing;
- b. Hewatt's safety officer fainted while in the site office on Tuesday morning and was taken to hospital for treatment and tests. He returned to work the next day and is yet to receive the test results / diagnosis.

## 2. Traffic Management

- a. No change.
- b. The client requested to change the entrances of the site on the existing road at HPD1 by shifting traffic onto opposite sections of the newly laid asphalt, in order to monitor the effect of traffic on the road surface. No changes have been made to the site access road as of yet.

## 3. Design

- a. *Location of street-lighting beneath bridge (RFI079A)* – a solution to HPD1's problems has been accepted by TaMS. SMEC consulted with Brown before the Christmas break to determine if a similar solution will address HPD2's design issues, i.e. to rotate the streetlight by 180 degrees. Awaiting response from Brown.
- b. *Change of footing type for Stone Wall beneath bridge (RFI087A)* – SMEC will follow up with Brown for a response to this in the coming week.
- c. *Relocation of stormwater pit B3 next to bridge (RFI067A)* – Hewatt's surveyor to set-out new location and determine exact levels & coordinates based on the site condition (low point, footpath location etc).
- d. *Proposal to revise shared trench road crossing alignment at CH 970 and Road 04 (RFI092)* – Hewatt submitted a proposal to change the alignment of the shared trench road crossings at Road 04 due to clashes with other utilities and was approved by SMEC.
- e. *Proposed changes to drainage configuration at Mirrabai Dr Stub* – the subsoil drainage cannot be constructed as per the design due to the shallow stormwater connections and road level constraints. Hewatt to submit an RFI based on discussions on site.

## 4. Construction

- a. Complete excavation for shared trench from CH 850 to 900 and 980 to 1400;
- b. Laying conduits in shared trench from CH 840 to CH 900 and along Road 4;
- c. Completed select material at islands CH 1200 to 1600;
- d. Shared trench road crossing completed at CH 970;
- e. Traffic signal conduits completed at Mirrabai intersection;
- f. Final Grading of select material between CH 1000 to 1420;
- g. Complete Subsoil excavation and installation between CH1400 and 1860;
- h. Handrails on bridge installation continued;
- i. Cut to formation level at Mirrabai Drive and fill island;
- j. Setting out stormwater line under bridge (North side), to be changed to new design;
- k. Setting out and excavation of revised shared trench road crossing at Road 04 and placing conduits;
- l. Setting out Mirrabai Rd subsoil drains;
- m. Bridge was open to construction traffic this week.

**5. Meetings**

- a. No meetings this week. The next site meeting will be 24 January 2014.

**6. Issues**

- a. *Wearing Course at Burrumarra Ave (ISS009)* – Roads ACT are expected to respond to SSP in the coming week regarding details relating to the works;
- b. *Additional Conduit Crossings across HPD at Mirrabei Dr and Road 04 Intersections (ISS013)* – Hewatt will submit a price for these works to SMEC;
- c. *Interface with Springbank Rise (ISS002)* – Hewatt will inform Lend Lease when they expect to be completing trenching works within Springbank Rise in the New Year.

**7. Payments**

- a. Hewatt has submitted their monthly claim for December on 20 Dec '14 and will be assessed by SMEC after the Christmas break, by 13 January 2014.

**8. Activities Planned for the Upcoming Fortnight**

- a. Planned work for the start of January include the completion of the shared trench including all road crossings
- b. Install traffic signal conduits at Road 04 intersection
- c. Complete subsoil drainage installation for all the site
- d. Complete island filling and final grading of select material from HPD1 to Mirrabei intersection and start placing DGB material.
- e. Stone pitching works on the western side of bridge and rework of rejected stone pitching section on the south.
- f. Excavation and electrical conduit laying for the connection to Springbank Rise
- g. Kerb laying either side of the bridge
- h. Excavation and laying stormwater pipe under bridge
- i. Concreting of remaining headwalls

Superintendent's Representative  
Horse Park Drive Extension, Burrumarra Ave – Mirrabei Dr  
SMEC Australia Pty Ltd  
E: [@smec.com](mailto:@smec.com) Ph:

**Photos**



*Image 01: Shared trench construction at CH 900*



*Image 02: Traffic Signal conduits at Mirraabei Dr intersection*



*Image 03: Cutting of formation and placing Select in island at Mirrabei Dr*



*Image 04: Setting out of subsoil at Mirrabei Dr*

Our Ref: C12022 ProgCert18Letter.docx  
Your Ref: Horse Park Drive - 19125  
Contact:

# BROWN

6 January 2014

Hewatt Earthworks  
PO Box 94  
HALL ACT 2618

**Attention:**

Dear

**Horse Park Drive Extension to Moncrieff Group Centre  
Progress Certificate #18**

We refer to your Progress Claim No. 18 received 19 December 2013 in the value of \_\_\_\_\_ for a  
total value of Works of \_\_\_\_\_ works completed to 31<sup>st</sup> December 2013. We have  
assessed this claim and advise as follows:

**Contract Works**

» All claimed items are supported

**Variations**

Variations submitted as part of the current claim are:

*Smart Consulting*

Based on the above, please find attached our Progress Certificate No. 18 in the sum of  
for a total Value of Works to Date of

Please forward a subsequent Tax Invoice directly to the Principal for processing and a copy to this office for our  
files.

Should you have any queries regarding the above please do not hesitate to contact the undersigned.

Yours sincerely  
**Brown Consulting (ACT) Pty Ltd**

*Superintendent's Representative*

**ATTACHMENTS**

**1. Progress Certificate #18**

**COPIES:**

1. Patrick Hancock (SSP)
2. John Husband (EDD)
3. (Brown)



**PROGRESS CERTIFICATE**

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Progress Certificate No: **18** Contract No: **C12022**  
Period of Certification: **01-Dec-13** to **31-Dec-13**  
Project: **Horse Park Drive - Contract Admin**  
Contract: **2012.19125.338**  
Principal: **ACT Shared Services Procurement**  
Contractor: **Hewatt Pty Ltd**  
**PO Box 94 HALL 2618**

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**PARTICULARS OF CONTRACT**

Contract Value at Date of Acceptance: (Includes GST)

Net Value of Variations Authorised in previous Certificates:

Value of Variations Authorised with this Certificate:	Additions	Deductions	Net Total
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Net total of Variations Authorised with this Certificate:

Contract Value as varied to date:

**PARTICULARS OF PROGRESS PAYMENT**

Value of Work Completed to date:

Less Retention:

Less Security:

Recommended Liquidated Damages:

Sub-total:

Less Payments previously certified:

Amount Certified as due:

Adjustment:

**Amount Certified for Payment**

This is to certify that in respect of a claim by the Contractor received on 18-Dec-13 the Contractor is entitled to payment of \_\_\_\_\_ for work completed on this Contract.

**Brown Consulting (ACT) Pty Ltd** .....

Date.....*8/1/2014*.....

# BROWNE

## STATE OF CALIFORNIA

County of ...

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## PARTICULARS OF THE ...

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