

MEETING NOTES



Name of meeting: Foxground & Berry Bypass southern route review
Technical Investigation Group
Meeting 4

Location of meeting: RMS Project Office, Pymont

Meeting facilitator: Steve Zhivanovich

Date: 29/02/2012 **Time:** 10am

Attendees:

Name	Initials	Organisation
Adam Berry	AB	RMS
Henk Buys	HB	AECOM
Stephanie Clark	SC	AECOM
Phil Jorgensen	PJ	Evans & Peck
David Kennewell	DK	AECOM
Annabel Killen	AK	Evans & Peck
Michael Moore	MM	Evans & Peck
Ken O'Neill	KO	Aurecon
John Poposki	JP	RMS
Ron de Rooy	RdR	RMS
Glen Smith	GS	AECOM
Peter Stewart	PS	Peter Stewart Consulting
Ben Vohralik	BV	Evans & Peck
Steven Zhivanovich	SZ	Evans and Peck

Additional distribution:

Name	Initials	Organisation
Stuart Dalziel	SD	AECOM
Gillian Goldsmith	GG	Evans & Peck
Jay Stricker	JS	AECOM
Jon Williamson	JonW	AECOM

	ITEM	COMMENT	ACTION	COMPLETION DATE
1.	Review of outstanding actions from previous minutes	Minutes included below	Noted	
2.	Design development: Southern bypass option	Design development: Southern bypass option <ul style="list-style-type: none"> - Vertical alignment RL - Southern interchange options: designs and assessment criteria Access roads and local road adjustments		
		Blue interchange option design is most favoured on grounds of least property impact and improved engineering	Noted	

		<p>outcome over the South Coast Rail. The outline cost weighting exercise undertaken by PJ, PS and SZ has shown this also likely to be the most economic. This route sub-option will be promoted as the option for further investigation.</p> <p>Investigations to be progressed based on this design. Noted that boreholes will continue to proceed in locations relevant to other possible routes not only as a prudent measure but also to assist in understanding the geological model.</p>		
		<p>Vertical alignment</p> <ul style="list-style-type: none"> - Documentation of flood investigations is progressing. Inclusion of discussion about choice of conservative vs bullish approach on design, implications for the EA process. - Noted that approach should be as equivalent as possible to approach taken for northern option. - Clarification required on allowance for climate change impact at the actual route location. Noted that there is an element of judgement call. - Noted that reducing RL to absolute minimum at low points does not affect the overall earthworks to a large extent. Prepare to discuss at meeting with Bruce on 1/03. 	<p>DK</p> <p>DK</p> <p>DK</p> <p>GS</p>	<p>Ongoing</p> <p>7/03</p> <p>1/03</p>
	Flood investigations and assessment review of memo produced by Aecom	<p>First draft of memo reviewed. Further details and sketches of flow paths and interactions with road structures to be provided</p>	DK	7/03
	Geotech investigations (desk top) Diversion of Town Creek	<p>GS to forward information to PJ for estimation.</p>	<p>AK</p> <p>GS</p>	29/02
	Geotech investigations (fieldwork) Geotech fieldwork brief Progress of boreholes	<p>Fieldwork commenced however severely limited by weather. Approx 2 or 3 boreholes completed. Possibility raised of getting CPTs progressed faster.</p> <p>Noted that there are significant lead times on rigs at the moment.</p>	Noted	
		<p>Independent interpretation of geotech results to be obtained in addition to AECOM interpretation.</p>	HB	TBA
	Precast arch bridge design option	<p>Design is being progressed and a PCA is a feasible solution. KO'N currently approx. halfway through a briefing note.</p> <p>Noted that: PCA is essentially a tunnel and</p>	Noted	

		therefore RailCorp design parameters for tunnels can be applied Foundation design is a major unknown.		
	RailCorp interface	RailCorp is proving difficult to contact – AB to continue progressing.	AB	TBA
	Construction methods	Progressing	Noted	
	Mass Haul Analysis Quantity inputs	GS to provide documentation of embankment slope requirements and impact on earthworks balance/cost.	GS	7/03
	Estimating	Further development of estimation model to reflect more detailed level of estimate. Discussion about level of detail for indirects: determined to proceed with standard approach (fixed percentage).	Noted	
		Interim review of estimation model to be held by 2/03	AK/PJ	29/02
	Programming, Additional resources required	MM advises that Sean Flynn from Evans & Peck may be available resource.	Noted	
	Comparative report	Report structure developed AK to distribute.	Noted AK	7/03