



Meeting – 10 Dec 2018

New Member Induction
RYE Student Steve Walker

Host: Kate Smith

Thanks: Stephen Lace

Top Table: Dennis Brown

Sergeant: Don Gordon

Meeting – 17 Dec 2018

Annual General Meeting

Last meeting this year

Next Meeting –

Informal

14 January 2019

Apologies:

To Peter Smith please:
smith.farm@actrix.co.nz
Phone: 342 5812

Attendance at Last Meeting:
26 November 2018)

Present	-	24
Apologies:	-	6
Silent :	-	11
		41

Men's Care Bags

Donations for Men's Care Bags to Henry Ngapo. Items may be left at the meeting.

SH4 ANZAC PARADE DROPOUT REPAIR

Shane and Ravi from Opus outlined the history of the project from the initial dropout, later subsequent subsidence's and the lengthy design process as a long term solution was established. Working within the constraints of NZTA for the work which essentially was based on "replace like for like" imposing both financial constraint and a solution for the whole of the affected area which includes an existing wall section unaffected by the flood. The section of existing wall which is to remain is continuously monitored with electronic movement sensors – to date any movement is well within the technical guidelines but if something untoward was observed action could be taken quickly.

The flood event which occurred in 2015 was a 1 in 130 year's event and was the second largest flood in the North Island on record. Water levels were 4 metres higher than the normal flow level. By way of comparison Kowhai Park stop banks are designed for a 1 in 30 year event and Taupo Quay will start to flood in a 1 in 20 year event. The site is complicated further by the fact that is on the outside of sharp bend of the river and there is a general narrowing of the river from just upstream, both of which cause higher velocity in the region of the dropout and the river is around 15 m deep in close proximity to the site of the work.

The design solution involves driving of 18m long steel H piles to pin the slope, a 1m wide concrete beam on top of the H piles and to which 5m precast concrete panels are joined. The precast panels are each anchored back into the ground using two layers of 19m screw piles. Four metre long sheet piles are located in front of the ground beam and the H piles as erosion protection for them. These piles in turn are protected by a rock rip rap apron placed in front of them. This solution was a better option than other alternatives as it provides a more secure option than a gravity wall alone and also is a better match with the section of existing wall which is located within the length of work to be carried out.

The site is very constrained, there is limited space for construction equipment, site access is difficult necessitating constructing temporary access in front of the existing wall, the stability of the exposed bank is problematic, work has to be carried out in winter with the potential for flooding of the works, the wish to keep two lanes on the State Highway available at all times, and the proximity to occupied buildings in posing noise level constraints and hours of working limitations. Local Contractors were involved early in the project and this has resulted in a robust construction methodology being adopted which has worked well for all parties. The work is expected to be completed in August 2019.

CHRISTMAS FUNCTION

Members who attended this event really enjoyed the evening – the bus trip with an aperitif, delicious meal in an interesting setting (surrounded by antiques) and entertainment provided by members. Thanks to Ashley Park staff, to the bus driver and Ann Petherick for organising the evening.

VISIT OF NAGAZUMI ROTARIANS

If you are able to host a Rotarian from Nagaizumi Cho, please get in touch with PP Lei for details.

December is
Rotary Disease
Prevention Month