



## Joint Tauranga Branch Presentation

Thursday 6<sup>th</sup> July 2017

Tauranga

### Matapihi Road Site Visits:

Session 1: 12.30pm

Session 2: 4.00pm

**Memorial Park Site Visit 5.00pm**

### Southern Pipeline Presentation:

Waters Edge, Memorial Park

Drinks and nibbles from 5.30pm

Presentation at 6.00pm

RSVP: [james.griffiths@beca.com](mailto:james.griffiths@beca.com)

## The Southern Pipeline HDD Shot

Tauranga City Council and Brian Perry Civil invite you to visit the Matapihi and Memorial Park sites for the Southern Pipeline project. The site visits will be followed by networking drinks and a presentation outlining more details about the project. To visit the sites you will require the PPE below – *if you do not have this PPE you will not be permitted to enter the site.*

**Required PPE: Hard hat, hi-viz vest, long sleeves and long pants, safety glasses, safety boots.**

### Matapihi Site Visits:

The Matapihi Road end site is where the directional drilling pit is situated. The drill crew is currently drilling the return mud line and will soon begin on the main drill line. This pit will also be used for pulling through the steel and HDPE pipes from Memorial Park.

Two site visits have been arranged to cater for the expected interest and available space at site. Please meet at the entrance to the Matapihi Rail Bridge at the Southern end of The Strand at 12.15pm (Session 1) or at 3.45pm (Session 2). We will walk across the bridge as a group to meet the Brian Perry Civil representative on site at the designated visit time. The site visit will be ½ hour in length. ***Numbers are limited for these visits so please indicate in your RSVP which time you wish to attend.***

### Memorial Park Site Visit:

The Memorial Park site is being utilised for the preparation of the steel and HDPE pipe strings and the location of the pipe thruster to aid installation. The pipe strings will be thrust from Memorial Park and pulled through from the Matapihi end simultaneously.

The memorial park site visit will take place at 5pm. There is plenty of parking around the site.

### Presentation (Waters Edge, Memorial Park):

The presentation will begin at 6pm and will be broken into five parts to cover the key aspects of the project:

1. Concept and need for the pipeline – Steve Wiggill (TCC)
2. Geology of the crossing – Anna Whitley (TCC)
3. Directional drilling – Andy Lukas and Boris de Koning (AJ Lucas Drilling)
4. Construction of the project – Adam Plimmer & Martin Larisch (BPC)
5. Hydraulic and geotechnical design aspects – Chris Olivier & Harry Wahab (Beca)

**Refreshments compliments of:**





**Steve Wiggill**, Project Director for TCC on the Southern Pipeline project, has 40 years international engineering experience in South Africa, the UK and New Zealand with short commissions in Australia, Kenya, Samoa and Guam. Steve has worked for consultants and contractors as well as client organisations. Steve's experience has focused mainly in water and wastewater including pipelines, tunnels, marine outfalls and water/wastewater treatment.



**Anna Whitley**, Graduate Project Manager TCC, has 5 and a half years' experience in underground hard rock gold mining. Anna has worked as a geologist for two top tier global gold producing companies based in Western Australia. During her time in Australia she has gained experience in both underground mine geology and ore exploration, as well as ore definition and geological modeling.



**Andrew Lukas** is a graduate in civil engineering from the University of New South Wales with particular expertise in pipelines, horizontal directional drilling, and drilling for coal bed methane. AJ Lucas has grown to be one of Australia's largest pipeline contractors specializing in EPC contracts. Mr Lukas has been instrumental in introducing Horizontal Directional Drilling into Australia and AJ Lucas has pushed the boundaries of this technology in Australia and in Asia.



**Boris de Koning** has a Bachelor of Engineering (Gas and Oil Well Drilling) 1996 from Hogeschool voor Gas en Petroleum-technologie "Noorderhaaks" Netherlands. He has twenty years' experience in international horizontal directional drilling & other trenchless techniques, pipeline and conventional oil / gas drilling experience in roles ranging from Rig Superintendent to Divisional Manager in Asia, Europe and FSU.



**Adam Plimmer** is the Regional Manager for Brian Perry Civil and was the leader of the bid team during the tender stage of the project, a process which started in late 2015. His current involvement with the project is in a governance capacity and to provide a consistent approach from tender through to delivery and completion. He spent 10 years in the construction industry in the UK before heading over to NZ in 2003 to continue his career. This has provided a broad experience in civil engineering and construction, with the last 14 years having been spent in a range of roles with Fletcher Construction working on bridges, tunnels, roading, structural refurbishment, precast concrete, drainage and more recently the three waters market sector.



**Martin Larisch** is the Geotechnical Engineering Manager of Brian Perry Civil in Auckland. He obtained his University Degree in Civil Engineering in Germany and has completed his PhD at the University of Queensland in Brisbane where he was appointed as an Adjunct Associate Professor in 2014. Throughout his career he published numerous technical papers for international conferences and journals and he has worked for some of the leading piling and ground engineering companies in Germany, Australia and New Zealand. Over the past 20 years Martin has been responsible for the design and the delivery of hundreds of piling, shoring and ground improvement projects with contract values of up to NZ\$35 million. He was also involved in the implementation of various new technologies and innovations in the areas of hard rock drilling, drilling fluids, concrete technology and ground improvement.



**Harry Wahab** is the Team Leader for the Beca Geotechnical team in Tauranga, and is the geotechnical lead for the Harbour Crossing project. Harry is a Chartered Civil Engineer specialising in Geotechnical Engineering with over 20 years' experience in the design and construction of civil engineering projects from the small to the large scale. His experience spans many sectors including transportation, water, industrial, defence and buildings. Harry is actively involved in industry both locally and nationally. Harry was a member of the working group setup to deliver a national site investigation specification. He has also advised the NZ Transport Agency on the latest amendment to the Bridge Manual, and is a specialist advisor to Tauranga City Council's buildings team.



**Chris Olivier** is a project manager within the Beca Water Team based in Tauranga and is the Design Manager for the Harbour Crossing project. Chris is a civil engineer with over 35 years' experience in the water and wastewater sector. His experience includes design, planning, project management, infrastructure operation, asset management services in both local government and private practice. Chris has delivered a number of major wastewater interceptor and bulk conveyance systems in New Zealand and is pleased to be so closely involved with delivering this ultimate leg of the Southern Pipeline after being involved with the project throughout its life.