

CONTENTS

Movin' on up	1
PNG Highlands Highway	1
Businesses Merge	1
Beach rescue	2
Bellflower entrance	2
Road upgrades	2
Mooloolaba sand replenishment	3
USC sponsorship	3
New Tewantin pipeline	3
Butler Street	3

MOVIN' ON UP

Projex North's Sunshine Coast office has relocated to a new premises on the top floor at the Capital One building on the corner of Innovation Parkway and Capital Place in the Lake Kawana Business Village.

Over the past three years the office has grown to 10 staff including two civil engineers headed up by Director Daryl Walker and Office Manager Anthony Takken.

Other new additions to the team include Cadet Drafter Cara-Lee Webster and Project Engineer Heath Jones who relocated from our Cairns office.



Some of the Projex North team working at the new Lake Kawana office

HIGHLANDS HIGHWAY - PAPUA NEW GUINEA

Our Cairns office has recently been commissioned to design the important Gulf to Southern Highlands Highway road link for the Papua New Guinea Department of Transport.

It will complete the crucial link from the country's commercial centre, Port Moresby, to the agricultural highlands region and will be utilised to transport goods including sweet potatoes and sugar cane.

The new highway will be a two lane highway



The highway through the PNG highlands.

extending from the end of the Hirotano Highway at Karena north via Toweï to the existing Highlands Highway at Kisenetoi.

ENGINEERING & TOWN PLANNING TO MERGE IN CAIRNS

Time flies! It has now been three and a half years since Projex North obtained PRP Planning in Cairns. The time has come for the engineering and town planning offices to merge. John Martin of our Cairns office is currently assessing options for the new office, working towards the move being finalised before Christmas.



Some of the engineering staff in our Cairns office

TO THE RESCUE OF MOOLOOLABA BEACH

After the last East Coast low caused massive damage to the Mooloolaba Beach the Sunshine Coast Regional Council engaged Projex North to design a revetment wall to protect the existing infrastructure along this popular piece of foreshore.



The wall of geo-textile fabric bags under construction at Mooloolaba Beach

The design of the wall was made using 200 geo-textile fabric bags stitched together and then stacked to form armour to the exposed dune face.

The bags were filled and covered with sand from the beach to help bolster the beach against future erosion and provide Mooloolaba the protection it needs against future damaging king tides and storms. The project involved working closely with a number of key stakeholders including Council, the Department of Environment and Resource Management and Queensland Transport Harbour Master.

AN IMPRESSIVE ENTRANCE TO BELLFLOWER

Projex North was engaged by the Investa Residential Group to design and manage construction of the Bellflower Road extension at Sippy Downs.

The design needed to be carefully planned to provide minimal impact on the existing vegetation such as the melaleuca swamp near Sippy Creek and Lacewing Pond.

The final design included a roundabout, a two way 50 metre long bridge and arterial road designed in accordance with Main Roads standards.

The alignment was carefully planned to provide minimal impact on the existing vegetation while maintaining a visually impressive entrance to the estate.

By carefully planning the bridge construction methodology, existing trees were saved and fauna is protected from the new road by the use of a permeable barrier to divert them under the bridge.



A major feature of the entrance is a bridge across Sippy Creek into the estate

SUNSHINE MWY & CALOUNDRA RD PAVEMENTS

Projex North was commissioned by Sinclair Knight Merz to design the heavy duty pavements for both the Caloundra Road and Sunshine Motorway upgrade projects. Utilising our heavy duty pavement expertise, a variety of pavement options were designed and submitted, including heavy duty asphalt and deep cement stabilised configurations, to ensure a cost effective outcome. These pavements have now been in service for some time and have been performing well.



The completed Caloundra Road upgrade

DREDGING PIPELINE REPLENISHES SAND

After continued storms caused massive damage to the Mooloolaba Beach it was determined that sand replenishment was urgently needed to further protect this valuable community and tourism asset. In a joint venture between Sunshine Coast Regional Council and Queensland Transport, Projex North was engaged to design a 1km long pipeline to enable rapid deployment of a dredge at minimal cost to ratepayers. It was essential the pipeline provided protection for boats coming in and out of the spit while also returning the much loved beach to its former glory. The dredge operates every year to keep the sometimes dangerous Mooloolaba

Harbour mouth open with the sand material used to improve the width of the dune buffer protecting the valuable property and infrastructure along the Esplanade.



The dredge and pipeline at work near the Mooloolaba spit



Construction of the pipeline begins

STURDY PIPE FOR TEWANTIN

Projex North recently completed design of a 450 Diameter High Density Polyethylene pipeline linking from Mckinnon Drive to Poiciana Street in Tewantin. The proposed council roadworks in the area had Unity Water concerned that vibrating rollers could possibly

break the existing, brittle Asbestos Concrete watermain adjacent to the works. Loss of this supply would have compromised water supply to Tewantin and Noosaville; so it was decided to construct a new trunk water main line to ensure a stable supply.

PROJEX NORTH ON USC SHORTS

Projex North continued its sponsorship of the USC Barbarians and the junior USC Vikings in the 2010 season.



Daryl Walker models the 2010 uniforms

While the Barbarians fell short this year, the Vikings were triumphant, bringing home the premiership. Our own Daryl Walker was at games cheering from the sideline in the team shorts, bearing Projex North's logo, in case of an emergency call up.

BUTLER STREET

Some companies shy away from the difficult projects, but not at Projex North - they thrive on these challenges. Projex North were asked to design a new arterial road providing a link in an environmentally sensitive area in Tewantin on the Sunshine Coast.

The Butler Street design included two roundabouts, a pedestrian underpass, street lighting and landscape design, but also included a fauna underpass designed to accommodate a rare Wallum Rocket Frog habitat beside the road.



The rare Wallum Rocket Frog found near the site