

MOVING IN THE RIGHT DIRECTION



DEVELOPER : NSW Roads and Maritime Services
 MAIN CONSTRUCTION COMPANY : Seymour Whyte Constructions Pty Ltd
 ENGINEER : Aurecon Australia Pty Ltd
 PROJECT VALUE : \$170 million



The \$170M Central Coast Highway upgrade has realigned the existing intersection into a single signalised intersection easing congestion. The upgrade included the construction of a new connecting road and a system of shared pedestrian and cycle paths.

As a principal gateway to the New South Wales Central Coast, the Central Coast Highway transports visitors and residents to the region's thriving beaches, national parks and retail attractions. More than 70,000 vehicles pass through the critical intersection at Manns Road and Brisbane Water Drive per day, creating one of the Highway's busiest traffic junctions.

The Central Coast Highway upgrade is a major infrastructure project initiated by NSW Roads and Maritime Services and funded by the NSW government, to ease current congestion and plan for future increased traffic volumes by completely realigning the Manns Road and Brisbane Water Drive offset intersections into a single signalised intersection.

Seymour Whyte Constructions Pty Ltd provided the infrastructure expertise to manage and complete the \$170 million upgrade at West Gosford. A complex and challenging location, the Central Coast Highway upgrade entailed a detailed number of component works to accommodate the expanding highway. These included the formation of

a new connecting road with the construction of a three staged bridge on the Central Coast Highway and an adjacent two staged bridge on Debenham Road. Other new construction activities included roads/cycle ways, various retaining walls, a noise wall adjacent to the new westbound Central Coast Highway exit ramp, drainage and subsurface drainage as well as ancillary works incorporating street lighting, safety barriers plus new kerbs and gutters. The work also included upgrading five signalised intersections in total.

Some of the project's largest challenges, as explained by Seymour Whyte's Brad Binns, Contract Project Manager of the Central Coast Highway upgrade, arose from the complexity of utilities that required relocating. "Pretty much everything you can think of" is how Brad summarises the number and type of services that required strategic planning to relocate without causing disruptions to residents and local businesses.

Water, sewer and gas reticulation systems were relocated, as well as major electrical assets including 66KV Sydney Trains and 66KV,

33KV, 11KV and LV Ausgrid power lines. Telecommunications networks servicing Telstra, Optus and Nextgen customers also required relocating in what is a critical services and utilities hub for the busy residential and commercial location.

"A lot of work went into staging the relocations to make sure people were still connected while work was underway," Brad says. "There was also a lot of staging due to constraints on the available space to put the utilities."

Seymour Whyte's meticulous sequencing of the Central Coast Highway upgrade works was also an important strategy in the management of the intersection's heavy traffic flow. "There were a lot of construction stages to allow each section to be built," explains Brad.

Working closely with Roads and Maritime representatives on site, Brad and his team from Seymour Whyte have successfully negotiated the trickiest aspects of the project with nothing but praise from their clients.

"Part of the success of the project has been the Seymour Whyte team and Roads and Maritime working collaboratively," says Brad. "We have overcome a lot of issues with utilities and staging through

working together as one." Not only creating a safer and more efficient infrastructure solution for one of the Central Coast's busiest portals, the Central Coast Highway upgrade has enriched the local community through its support of the Metal for Mobility program. Donating revenue raised from onsite metal waste, the project team is supporting local kids and adults with a disability through this exciting initiative.

Specialising in infrastructure construction, civil engineering group Seymour Whyte was recently recognised a winner in The Australian Business Awards 2015 for Innovation for 'fully mobile, fully integrated', industry leading construction management solutions. Since commencing operations in 1987, Seymour Whyte has completed over \$5 billion worth of complex infrastructure and building projects throughout Australia. Current projects in NSW include the Great Western Highway Upgrade, Hartley Valley to Forty Bends, Sydney Airports Northern Airport Precinct and the Maitland Railway Station Roundabout Upgrade.

For more information contact Seymour Whyte Constructions Pty Ltd, L8, 182-186 Blues Point Road, McMahons Point NSW 2060, phone 02 8908 7400, fax 02 8908 7499, website www.seymourwhyte.com.au



Central Coast Highway Upgrade, NSW



DACH CONSTRUCTIONS

Central Coast based Dach Constructions Group is the direct result of two well established concrete and building businesses joining forces four years ago. Directors Danny Farag and Chris Young combined their extensive experience into one superior construction group specialising in building new homes, extensions and renovations, property development along with civil and commercial projects.

Participating in the revitalisation of their local region, Dach Constructions supplied teams of carpenters and concreters to the upgrade of the Central Coast Highway. The carpenters completed the fitout of Seymour Whyte's office used to run the project and the concreters poured the pathways, driveways and median strips.

Dach Constructions Group relied upon their expertise and professionalism to manage the tight timeframes of the project. Working on the Central Coast Highway Upgrade presented no particular challenges for a company who pride themselves on delivering stress-free projects from start to finish.

With a team of qualified and reliable employees and contractors, Dach Constructions offers high quality results across its specialist areas of building and concreting. Dach Constructions are the experts for new home builds, renovations and extensions as well as commercial, office and shop fitouts.

Supplying civil, commercial and residential concreting services, the concrete crew is experienced in all aspects of concreting including

road works, walls, footpaths and driveways. Across all its work, the company prides itself on providing innovative design, attention to detail and "good, old-fashioned service."

Servicing the Central Coast and Newcastle areas, Dach Constructions has a genuine commitment to strengthening their local community and employing local tradespeople and apprentices.

Dach Constructions have a number of projects on the go including eight new build homes at Murrays Beach, Lake Macquarie. The company is also due to start various new homes and renovation projects around the Central Coast in the coming months.

For more information contact Dach Constructions Group, 6/210 The Entrance Road, Erina NSW 2250, phone 02 4365 0054, email info@dach.com.au, website www.dach.com.au