



Capability Statement

Civil Design and Project Management



Eastwood



Kings Cove



Riviera Harbours

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CROSSCO

Crossco Consulting Pty Ltd was established c1985, and is an ISO9001 Quality Assured firm of professional engineering and environmental consultants and project managers. Through our base in Bairnsdale we provide services across Gippsland.

CROSSCO CLIENTS AND SERVICES

Crossco Consulting Pty Ltd is proud to have had involvement in excess of 2200 projects and 100 subdivisional projects since it was established, with clients including State and Local government agencies and the private sector. The subdivisional projects vary in size and complexity, and range from small two lot subdivisions, to larger (hundreds of allotments) subdivisions incorporating marinas, canals and golf courses, and everything in between.

The Civil Engineering services we provide to assist our Clients in realising their projects includes:

- All design phases from concept and feasibility through to construction drawings and technical specifications of civil infrastructure including:
 - o Quarry design and rehabilitation plans
 - o Landfill design and construction
 - o Marine and boating infrastructure
 - o Small structures (dams, small bridges / culverts and retaining walls)
 - o Stormwater management, flood management, treatment and attenuation
 - o Roads and drainage design
 - o Major and minor intersections including roundabouts
 - o Sewer and water
 - o Minor site survey (for example checking of levels and grades)
 - All aspects of subdivisional infrastructure design (roads, intersection, drainage, sewer, water)
 - Project planning including provision of written project plans across all project phases
 - Cost estimates for at all phases of design
 - Studies including options analysis (design optimisation, staging options and associated costs)
 - Project Management including procurement recommendations, stakeholder liaison, staging recommendations, consultant co-ordination, project team establishment and management, financial management and reporting
 - Tender preparation, tender evaluation and awarding of contract
 - Construction Management including contract management and contract superintending
 - A wide range of agency approvals and liaison with Agencies including:
 - o water authority (sewer and water)
 - o municipality (roads and drainage)
 - o electrical and communications
 - o Federal Department (EPBC) approvals
 - o State Government including EPA, DEPI / DTPLI, Parks Victoria, Catchment Management
- The approvals process / phases include town planning concepts, detailed design, completion audits and consent to compliance of plan of subdivision
- Assisting Clients to ensure compliance with approvals and a range of other statutory requirements.
 - Drafting
 - Engineering survey
 - Project scoping and liaison with sub-consultants including: surveyors, geotechnical engineers, soil scientists, structural engineers, town planners, architects, contractors, 3rd party design auditors.

Following is a sample of projects *Crossco Consulting Pty Ltd* has undertaken that demonstrates our capacity in civil infrastructure and project management.

PRE-QUALIFICATIONS

Some Agencies require that engineers are approved by the Agency to design infrastructure that will be an asset of the Agency, and also to manage construction of those assets.

Crossco are prequalified and attend information sessions held to maintain our pre-qualifications with:

- VicRoads
- East Gippsland Water
- Gippsland Water
- ACT Government

We routinely undertake projects and complete designs requiring approval in the following municipalities:

- East Gippsland Shire
- Wellington Shire
- South Gippsland Shire
- Bass Coast Shire
- Latrobe City Council
- Baw Baw Shire

and have occasionally undertake projects in Alpine Shire, Bega Valley Shire, Metropolitan Melbourne and Canberra.

RETIREMENT VILLAGE PROJECT EXAMPLES

Project	Location	Description	Involvement*	Client
Eastwood Retirement	Bairnsdale	167 lots and community centre	2011 (project commencement) – Current All civil infrastructure services – design to project and construction management. Multi-stage development.	Private client
Mountain View	Leongatha	45 lots and community centre	2011 – 2014 (completed) All civil infrastructure services – design to project and construction management	Private client
Clifton Waters Village	Wy Yung	Anglican Church owned village	Small ad-hoc infrastructure upgrade and improvement projects (village was constructed 1950s)	Anglican Diocese of Gippsland
Encore Living Lifestyle Community	Trafalgar	97 lots and community centre	Construction commenced January 2016 All civil infrastructure services – design to project and construction management. Engaged to complete Stage 2 design.	Private client
Encore Living	Warragul	100+ lots and community centre	2016-present Concept infrastructure layout. Documents to support DCP requirements.	Private client

SUBDIVISION PROJECT EXAMPLES

Project	Location	Description	Involvement*	Client
Eastwood Residential	Bairnsdale	700+ allotment residential development	1992 (project commencement) – 2017 All civil infrastructure services – design to project and construction management. Project specific: <ul style="list-style-type: none"> - Constructed wetland to treat stormwater. - Walking trails and public open spaces. - Retention of significant trees in roadways. - VicRoads intersection upgrade required. 	Private client
Riviera Harbours	Paynesville	Constructed waterway and 250+ allotment residential marina development	1983 (project commencement) – Current Project Management. All civil infrastructure services – design to project and construction management. Project specific: <ul style="list-style-type: none"> - This project attracted significant public and government scrutiny, particularly in the final stages and during construction. - Federal Government agency approvals required due to proximity to Gippsland Lakes. - Coastal Acid Sulphate Soil management required. 	Private client
Kings Cove, Metung	Metung	200+ lot residential and golf course development	1988 – Current All civil infrastructure services – design to project and construction management. Project specific: <ul style="list-style-type: none"> - Project Management. - 42 berth Marina 	Private client
Hobson Street	Stratford	80+ allotment residential development	2014 - Current All civil infrastructure services – design to project and construction administration	Private client
Princes Highway	Rosedale	16 allotment residential development	2014 – Current All civil infrastructure services – design to project and construction management – Stage 1.	Private client
Screw Creek	Inverloch	30+ allotment residential development	2012-2016 Civil infrastructure design including approvals – VicRoads and Landcare group for WSUD aspects. Construction is being managed by owner (contractor).	Private client
McMillan Street	East Bairnsdale	Existing industrial development	2014-2016 Preliminary design and costings to upgrade existing infrastructure. Detailed design and technical specification for tendering.	Municipality
Marlo Road	Marlo	Proposed residential development	2015-present Concept infrastructure and stormwater management layout, reports for strategic planning process seeking approval of a Development Plan prior to planning permit application being submitted.	Private client

These are examples of the subdivisional projects *Crossco* has provided Civil Engineering services to. We are proud to have provided our services to 100 plus residential development projects across Gippsland from Mallacoota to Inverloch and Warragul.

ROADWORKS (INCLUDING BRIDGE / CULVERT) EXAMPLES

During 2016 Crossco successfully partnered with an East Gippsland based contractor to win a Design and Construct tender process conducted by VicRoads to complete the design component of a major upgrade of approximately 4.2 kilometres of the Princes Highway.

Project	Location	Description	Involvement	Client
Hippo Track / Bellbird Creek Crossing	Bemm River	Replace closed timber bridge	2018 Condition report, survey and design of track approaches and concept design of crossing (bridge) for tendering.	DELWP
Princes Highway Upgrade - Nambrok	Nambrok	Upgrade of 4.2 km of the Princes Highway	2016-2017 Design component of a Design & Construct contract awarded to WGI.	Contractor for VicRoads
Seaton-Cowwaar Road Upgrade	Cowwaar	Upgrade of	2017 Feature survey and design of upgrade of rural road for tendering of construction work	Wellington Shire Council
Paynesville Esplanade Streetscape	Paynesville	Streetscape and design of road to incorporate centre median	2015 Civil design and specification, including street lighting and intersections	East Gippsland Shire Council
Francis Street Streetscape	Bairnsdale	Upgrade drainage and road layout	2016 – 2017 Civil design and specification suitable for tendering of construction works	East Gippsland Shire Council
McMillan Street Upgrade	East Bairnsdale	Industrial estate upgrade	2016 Civil design and specification suitable for tendering of construction works. Design of drainage, intersections, streetlighting etc	East Gippsland Shire Council
Dawn & Laurence Grove upgrade	Traralgon	Residential Street upgrades	2017 Feature survey and civil design and specification suitable for tendering of construction works.	Latrobe City Council
Bonds Road upgrade	Yinnar	Residential road upgrade	2016 Civil design and specification suitable for tendering of construction works.	Latrobe City Council
Ives Lane Upgrade	Lindenow South	Rural gravel road upgrade	2016 Upgrade of rural road required for development of residential subdivision.	Private Client

INTERSECTION EXAMPLES

Project	Location	Description	Involvement	Client
Eagle Point Road / Paynesville Road	Eagle Point	Upgrade of T-intersection required by VicRoads	2013-2014 To complete a subdivision at Eagle Point, VicRoads required upgrade of the intersection. All civil infrastructure services – project management, design, VicRoads approvals, and construction management.	Private Client
Flinns Road / Great Alpine Road	Lucknow	New Intersection for Eastwood	2010-2011 All civil infrastructure services – project management, design, VicRoads approvals, and construction management.	Private client
Garretts Road / ESSO Entrance	Longford	Upgrade of T-intersection required by VicRoads	2012-2013 Project management, design and documentation, VicRoads approvals, and as-constructed drawings.	ESSO
870 Princes Highway	Bairnsdale	New intersection	2012 (project stalled) Intersection design for town planning, preliminary design for VicRoads approval.	Private client
Cobains Road / Princes Highway	Sale	Upgrade of intersection required by VicRoads	2012- 2016 VicRoads approval required. Under construction.	Municipality
Nicholson-Sarsfield Road / Princes Highway	Nicholson	Upgrade of intersection required by VicRoads	2010-2016 VicRoads approval required. Construction completed.	Private client
Macleod / McCulloch Street	Bairnsdale	Upgrade of intersection to roundabout	2015-2016	Municipality
Service / Francis Street	Bairnsdale	Upgrade of intersection to roundabout	2016 VicRoads approval required. Under construction	Municipality
Service / Nicholson Street	Bairnsdale	Upgrade of intersection to improve pedestrian safety	2017-current VicRoads approval required. Detailed design completed.	Municipality
Princes Highway / Rosedale-Maffra Road	Nambrok	Upgrade of intersection	2016-2017 Design component of a Design & Construct contract awarded to WGI.	Contractor for VicRoads
Various	Various	Kerb replacement and realignment works	Current	Various municipalities

PARTICULAR PROJECT EXAMPLES

At Crossco we are fortunate to have opportunities to provide services to unusual one-off projects that are important to our Region. Some of the more recent significant projects are:

Project	Location	Description	Involvement*	Client
Broadlands Tourist Park	Lucknow	122 Home Sites & Caravan Park	2012 - current All civil infrastructure. Design to project and construction management. Project Specific – project management, fire service design and Vic Roads intersection.	Private client
Stockman Mine – Exploration Access Tracks	Benambra	Design of Wilga South and BullAnt exploration access tracks	2011 - Design of Exploration Access Tracks and development of engineering standards to satisfy departmental requirements for the construction and use of tracks	Jabiru Metals Ltd
Lucknow Drainage Improvement	Lucknow	Constructed wetland design	2006 (project commencement) – 2017 Options analysis, concept through to detailed design, cost estimates, reporting, specification. Statutory approvals. Meetings and liaison with landowners in the precinct.	Stakeholder group (Municipality and private businesses)
Seaspray Tourist Park	Seaspray	230 site caravan park	2015 - 2016 Contract superintendent and contract management. Design amendments during construction. Stakeholder liaison. Formal reporting to comply with funding agreement.	Committee / DELWP
Bastion Point Boat Ramp Upgrade	Mallacoota	Ocean access boat ramp	2011 - 2016 All phases of design and public consultation, peer review and Government review. Detailed design and construction documentation. Superintendent and contract management, site management.	Municipality
Lakes Entrance Sand Management (LESMP) Gippsland Lakes Ocean Access (GLOA)	Lakes Entrance	Ocean access	2011 – 2014 After resignation of in-house Project Manager, undertook all project management tasks to complete the \$20M government funded project for a period of 18 months.	Gippsland Ports
Murray Goulburn Plant Upgrade	Leongatha	Industrial upgrade	2009 - 2015 Provide project management services to contractor.	Contractor
ACT landfill	ACT	Landfill construction & asbestos removal program	2016 - current Provide project management services to contractor and ACT NoWaste	Contractor / ACT government
APA Gas Plant, Newmerella (Orbost Gas Plant)	Orbost	Earthworks, piling and drainage works – early works for building and plant construction	2017 - 2018 Provide project management and sub-contractor co-ordination services to the Principal Contractor	Contractor / APA

PEOPLE

The *Crossco* team consists of experienced Engineers and Drafters and our core team includes:

Name	Position	Experience	Qualifications
Robert Supplitt	Managing Director	25+ years	B Eng (Civil), MBA
Andrew Gibbons	Director Senior Designer	25+ years	B Eng (Civil), MIE Aust
Stephen Gibbons	Director Senior Designer	25+ years	B Eng (Civil), MIE Aust
Margaret Supplitt	Senior Project Manager	25+ years	B Eng (Civil), MIE Aust
Anne-Maree Mason	Design Drafter	5+ years	Diesel Mechanic Dip Eng Technology (Civil)
Anthony Desio	Design Engineer	3+years	B Eng (Civil), MIE Aust
Narelle Gibbons	Administration	1+ years	B Bus(Acctg)

There is more information about most of our people available on our website (www.crossco.com.au)