

DTEI Employment Data Collection System High Level Activity Centres & Definitions

South Road Superway



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Preliminaries and Investigation

The following activity centres relate to the preliminary planning, design and construction phases of the project

Supervision and Project Management

Client supervision, project management and contract management of a range of activities in preparation for future construction.

Planning

Planning project management & supervision, administration, mapping, research and supporting services.

Economic, Social and Environmental Investigations

Economic, social and environmental project management & supervision, administration, assessment/investigations, impact assessment, mapping, research and supporting services.

Geotechnical Investigations

Geotechnical project management and supervision, administration, engineering, drilling, traffic management, underground service relocations, logistics, soil testing and lab analysis.

Community Relations and Engagement

Community relations and engagement project management and supervision, administration, community consultation design, events management, administration, graphic design, printing, website design/hosting, venue hire/catering and supporting services.

Design

Design project management and supervision, administration and concept design, landscape design, environmental design, community consultation design and concept planning and related support services.

Insurance and Fees

Insurance project management and supervision, administration and insurance supporting services.

Land Acquisition and Accommodation Works

Property and land acquisition project management and supervision, administration, Property and land acquisition services, accommodation maintenance and works, legal services, valuations and civil works.

Demolition and Site Preparation

Civil construction in preparation for future construction. Demolition project management and supervision, administration, asbestos removal, mechanical demolition, waste sorting and loading, logistics, waste received, waste disposal and air quality assessments.

Service Location and Identification

Project management and supervision, administration, energy supply/gas/water infrastructure service location and identification

Service Relocations and Modifications

Electricity, water, gas, telecommunication and other service authority relocations, modifications, installations and approvals. Includes project management and supervision, administration, laying of pipes, collation of survey information, trench digging, relocating pipes, welding, purchase of pipes and fittings and logistics, electricity customer connections, street lighting connections, civil contracting, concreting, logistics, reinstatement logistics.

Service Alterations and Additions

Extra service alterations and additions not covered above.

Other

Other high level activity centres not covered above.

Siteworks and Construction

The following activity centres relate to the siteworks and construction phase of the project.

Site Establishment and On-site Overheads

Supervision and project management & administration of a range of activities during construction, site establishment, procurement of site facilities, on-site security, consumables and general costs, insurance, demobilisation and site clean up.

Contractors Overheads and Site Facilities

Project management and supervision; procurement and management of contractor's site facilities; site security; management of workplace Participation Policy; Rubbish Removal; Safety controls and measures; consumables and general costs; demobilisation and Site Cleanup and training.

Traffic Management

Project management and supervision, administration, traffic planning and traffic control and supply of signs, temporary lighting/ traffic signals/hestmix/pavements and devices including NJ barriers.

Survey

Project management and supervision; administration; layer checking & monitoring; control survey; surveying and drafting; supply of technical survey equipment, GPS, pegs, stakes, steel pins, safety boots jackets and vehicles.

Community Relations and Engagement

Community relations and engagement project management and supervision, administration, events management, administration, graphic design, printing, website design/hosting, venue hire/catering and supporting services.

Noise Treatment and Investigations

Project management and supervision, administration, installation of noise barriers, noise monitoring and reporting, noise barriers and other mitigation measures, architecture, civil works, noise treatment to houses and buildings including windows supply and install, painting, air-conditioning supply and fix and doors supply.

Geotechnical Investigations

Project management and supervision, administration, geotechnical, engineering, drilling, traffic management, underground service relocations, logistics, soil testing and lab analysis.

Environmental Investigations and Controls

Project management and supervision, administration, environmental testing and reporting and implementing and maintaining SEDMP and EMP requirements.

Design

Design activities actioned during construction phase that included project management & administration, design - drainage & environment, design - geotechnical & pavement, road design, structural design, TMS & lighting design, utility services design, earthworks design, urban design, landscape design and road safety audit services, air travel and car hire.

Fencing (Right of Way & Temporary Access)

Fencing /temporary access project management and supervision, administration, cutting, drilling and bending, logistics, supply and installation of fences and posts, manhandling, concreting, steel posts, steel products, powder coating of posts and logistics.

Demolition and Clearing

Demolition project management and supervision, administration, asbestos removal, removal of trees/vegetation, removal of existing infrastructure, mechanical demolition, waste sorting and loading, logistics, waste received, waste disposal and air quality assessments.

Earthworks

Earthworks project management and supervision, administration, driving of vehicles, operation of machinery and maintenance of machines and vehicles and logistics, topsoil stripping and respreading, imported filling, cut and fill, subgrade preparation working platforms(including rail trackwork), replacement of unsuitable materials, subgrade stabilization (e.g. lime stabilization), open swales and detention basins.

Bridges and Superstructures

Project management and supervision; administration; falsework, scaffolding, steel fixing; concrete pouring; finishing; general labor; piling; pile caps; bridge barriers; major gantries on structures; office reinforcements; factory reinforcements; supply of support materials for plant; swift lift; lifting anchor supply; lifting design and logistics; cast yard establishment and storage; supply and erect portal sheds; fabricate forms; establishment of concrete batch plant; establishment of water treatment plant; fit out of facility; procurement of straddle carrier and 100t gantry cranes ; logistics; labour associated with running of large and small plant; production of precast deck segments; production of precast pier segments; steel reinforcing fabrication; water treatment plant operation; transverse post tensioning and logistics.

Retaining Walls

Project management and supervision; administration; detail excavation and backfill, agi drain systems, steel fixing; concrete pouring; finishing; general labor; reinforcements- office; reinforcements- factory; supply of concrete; swift lift lifting anchor supply; lifting design; and logistics.

Drainage and Major Culverts

Project management and supervision, administration, supply and lay culverts, concrete supply, concrete pouring to create culverts/headwalls/wingwalls/drainage pits/kerb & gutters/median kerb/concrete, pollution traps/open drains and swales, fork lift drive and quality assurance.

Road Furniture and Barriers

Wire rope safety fence, inspection and testing, on-site inspection and testing, beam barriers, concrete new jersey barriers including the installation, logistics, supply of wire rope, alloy lifting chains, plate clamps, webbing slings and lashing systems, bridon ropes, transport chains and components, chain blocks, hoists and sheave blocks. Also including the supply and placement of gantries for signage.

Landscaping and Urban Design Features

Site establishment; ground preparation; wetland shaping; irrigation; planting/garden beds; hardscapes; urban design features and art works; maintenance; mulching; matting; tubestock; individual trees; grassing; maintenance; advanced trees and direct seeding.

Lighting

Project management and supervision; administration; electrical and lighting instillation, fitting and electrical; wiring; OH&S; testing; quality control; concreting; dispatch; logistical planning; logistics; manufacturing; poles and bases; supply of light/electrical fittings (street, urban design and internal structure); supply of pitts/conduit/concrete and electrical fittings.

Intelligent Transport Systems

Project management and supervision; administration; manufacture and supply of ITS System hardware - communications, electronic signage and architectural lighting on bridges; ITS field cabinet manufacture and ITS engineering; cable installation; communications; foundations; CCTV and VIDS; VMS/LUMS/CUMS sign manufacture and supply; loop detector cards for incident detection and ramp metering; software; security rooms and emergency telephones (excludes supply and install of Gantries).

Asphalt Pavements

Project management and supervision; administration; manufacture, supply and placement of bituminous surfacing products; manufacture and supply of aggregates to asphalt production plants; testing and verification (laboratory and training); design into pavement; supply of dense grade/open grade or SMA, supply and application of spray seals, track coats or primes; supply of aggregates, prime pavement and transport and diesel.

Granular Pavements

Project management and supervision; administration; provision of raw materials (unbound granular pavements, sub/base covers and bound granular pavements); quality control of raw materials; NATA testing and sampling of raw materials; weighing/accounts; processing of raw materials; crushing of raw materials; logistic management; community and environment assessments and management; commercial activities; logistics; leasing of plant and machinery; supply of fuel; recruitment; quality control; supply of plant; and supply of cement powder.

Signs & Line marking

Project management and supervision; administration; supply and installation of static traffic signs; bond reflective aluminum sheeting and

graphics; installation; concreting; supply of power tools, posts, brackets, poles, reflective sheeting and aluminum.

Other

Other high level activity centres not covered above.