

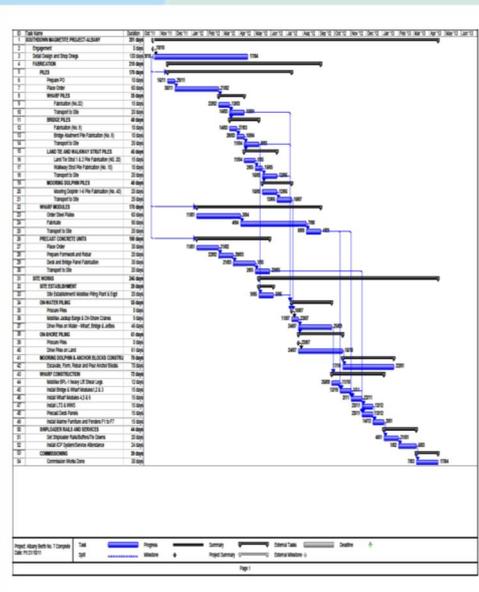
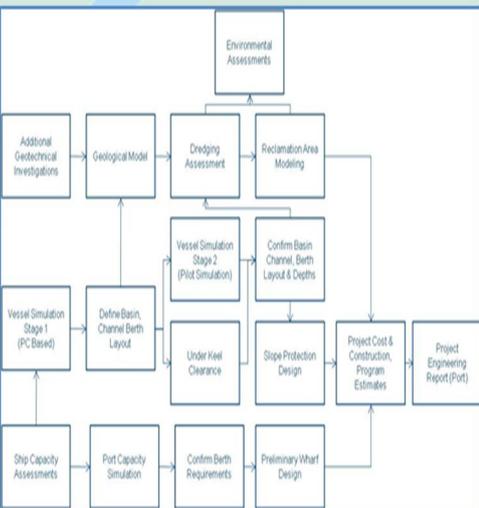
“Where will our knowledge take you?”

General Port and Harbour Engineering

Construction Program Management



“ For any sized project, the development of an accurate schedule incorporating all the required tasks and their interactions is critical in ensuring that the project is planned, developed and executed as efficiently as possible. ”



With detailed technical understanding of port and harbour engineering, BMT JFA is able to develop both outline and detailed project development schedules irrespective of size, nature or detail of the project. BMT JFA has significant experience in all stages of the project cycle, from initial concept/feasibility studies through to detailed design, project implementation and through project operations and decommissioning.

For large projects which may be difficult to schedule or assess due to complex systems, random variables and constraints, BMT JFA is able to develop models to simulate these processes with accuracy and detail. BMT JFA has used such models to simulate dredging campaigns, port throughput and ship traffic, and large-scale breakwater construction projects. This type of modelling can have enormous benefit to a project and has been used by BMT JFA to assess project feasibility, identify program bottlenecks, sensitivities, weak points and driving factors, identify required project plant and schedules, and more.

Key Capabilities

- Port operability and ship traffic simulation
- Large dredging campaign program and scheduling
- Construction program and scheduling.

Related Projects

- Southdown Magnetite Project/ Albany Port Berth 7 Expansion
- Oakajee Port - Breakwater Construction and Capital Dredging
- Bunbury Port - Coal Export Berth Options Study
- Port of Esperance Multi-user Facility.

Services Offered

- Development of both outline and detailed construction programs
- Ongoing program monitoring and progress analysis
- Incorporation of external requirements (e.g. environmental approvals)
- Engineering process simulation modelling
- Value engineering
- Capital (CAPEX) and operating (OPEX) cost estimates
- On site supervision and construction management
- Commercial and contractual input and advice
- Peer and technical reviews of existing project developments.

Related Software

- MS Project
- Primavera P6 (if required).