



Title: Project Control in a Challenging Major Projects Environment

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Summary: Dodgy change control has been the death of many projects and can be the constant vain of even experienced competent project management teams.

The WestConnex New M5 tunnelled motorway runs from Beverly Hills to St Peters and forms a critical section of the wider WestConnex project currently underway in Sydney. Aurecon in joint Venture with our partner, is delivering the detailed design of this 9km tunnel as part of the Design and Construct contract awarded to CBP Dragados Samsung Joint Venture. This subcontract represents one of the largest single projects being managed by Aurecon and its partner and as a result means that the challenges and importance of successful project controls is paramount. Given the risk profile of both the design and commercials, a bespoke process was developed and established to capture, monitor, report and manage all aspects of the project's performance. Our unique change control process easily captures, records and reports on project variations and delays all on an excel platform making it familiar to all users. The team are able to access an electronic form from our GeoDocs platform to capture the change details quickly and in accordance with our contractual requirements. This form can then be merged into the master register were the information is retained and automatically linked to the data base for ongoing management and reporting. A live dashboard then accurately reports on the change status of the project with information to inform management and notify the contractor. The register links to our cost data, managed in Prism, and several other spreadsheets to track and report on specific elements of the project. Although several registers exist on the project a data flow analysis was completed to ensure that information is not being duplicated or manged in two places however still allowing for the appropriate level of flexibility and stability given the size of the project and shear volumes of data being generated.

Keywords: change control, design management, commercial risk, controls data integration.