



Name:	Revesby Turnback Project/Rail Signalling Works	Client:	Transport Infrastructure Development Corporation (TIDC)
Owner:	RailCorp	Site Location:	Revesby, NSW
Value at Completion:	\$3,000,000	Year Completed:	2009

Project Description: Revesby is situated about 21km from Sydney CBD, in a South–West direction on the East Hills Line. The current Signalling arrangement is an Up and a Down line, which is a uni-directional automatic section.

The Revesby Turnback Project will provide a Rail Turnback Facility at Revesby Station which is to include a new Down East Hills Line and a new platform to allow additional down trains to terminate and turnback at the existing platform.

The project involves construction of two new crossovers that will be used to divert trains from Down main to turnback road and then return via another crossover to Up main line. The existing auto signals around Revesby Station are to be converted to controlled signals using a new installed Microlok II computer based interlocking system.

The Revesby Turnback Project will also constitute a stage in the development of the future Kingsgrove to Revesby Quadruplication Project, and therefore any works must minimise any redundant infrastructure works in the future project.

- Technical Highlights:**
- New duplicated Microlok II interlocking.
 - Work in new Signalling equipment and power supply buildings.
 - Signalling equipment cases and housings including racks, terminations, telephones, and lighting.
 - Installation of Compressed Air System.

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- Work on Main line and shunt signals.
- Work on line side signalling including train stops and signal telephones.
- Termination of Points operating equipment.
- Emergency Operating Locks (EOL).
- Track circuit equipment including cabling, connections to the rails and any mounting boxes, fittings and posts.
- Signage installation.
- Earthing, earth mats, earth stakes and surge protection.
- Main and local cable routes, troughing and undertrack crossings including all pits and conduits, GLT and GST.
- Signalling, communications and power cabling.
- Terminations and terminate all main and local signalling, communications and power cables installed.
- Signalling equipment foundations, mountings and posts.
- Upgrade signalling power supplies (normal and backup).
- Platform guard indicators including replacement of indicators on the existing platforms.
- Miscellaneous signalling and control equipment.
- Relocation of PID monitors on existing platforms.
- Installation of friction buffer stop on terminating road.

Personnel:	Project Manager: Rick Sclater Construction Supervisor: Kevin Gilroy Construction Supervisor: Gary Webster Signalling Engineer: Doug Milosevic, Signalling Engineer: Dragan Ducic		
Special Project Achievements	Principal Contractor Status to TICC. Achieved all required works at August 2008 possession. No LTIs on Project. Invited to assist Railcorp in final commissioning.		
Quality Standards Applicable	All work performed to Railcorp Standards and Specifications.		
Specific OH & S Requirements	Project Management Plan, Site Safety Plan, Rail Safety Plan, Environmental Management Plan and World Youth Day Plan.		
Referees:	Joe Attard Project Manager Railcorp Ph: 0417 225 933	Scott Watson Commissioning Engineer Railcorp Ph: 0408 475 035	Hugh Kerr Project Engineer Railcorp Ph: 0421 054 970