# Manchester Airport - PP03 & PP04

Client:
Galliford Try

## Installation of PQC, WLC and Gatic Slot Drains

### Project Overview & Scope

Gill Civil delivered major Pavement Quality Concrete (PQC) and lean mix concrete works as part of the Manchester Airport Transformation Project. The scope included installation of 150,000m² of PQC (320–430mm), 151,000m² of lean mix (150–175mm), over 1,000lm of F900 Gatic slot drainage with associated chambers and silt boxes, and AGL secondary ducting. The works also involved full mobilisation of an on-site batching plant and UKAS-accredited testing laboratory across both airside and landside areas, supporting a significant upgrade to airfield infrastructure.

### Challenges and Execution

Extensive concrete volumes and phased sectional handovers required continuous 24-hour operations within a live airside environment, demanding careful planning and strict safety compliance. On-site batching with heated water systems ensured consistent production during winter conditions, while articulated dump truck logistics enabled efficient movement of materials across the site. Controlled compaction methods and semi-mechanised laying techniques were implemented to maintain consistent quality and meet stringent airfield specifications throughout the programme.

### Benefits and Outcomes

Strategic planning, in-house production capability, and experienced airport delivery teams enabled safe, on-time, and within-budget completion. The works significantly increased apron capacity and delivered durable, high-performance pavement and drainage infrastructure. The project was completed while maintaining uninterrupted airport operations, enhancing long-term resilience and supporting future growth of the airfield.





