



Currie & Brown in the **Transportation** Sector

Currie & Brown has extensive experience in providing a wide range of cost, programme, and project management consultancy and advisory services to the Transportation sector.

This experience encompasses an in-depth knowledge and understanding of the particular, and often complex, issues that emerge on infrastructure projects.

The following pages provide examples of this experience, and have been chosen to demonstrate our capabilities and the range of services that Currie & Brown are able to offer.

- **Technical Advice**
- **Due Diligence**
- **Cost Management**
- **Independent Certifier**
- **Contract Support**
- **Project Implementation**
- **Cost Planning**
- **Technical Reviews**
- **Operational Audits**

Highways & Transportation Project Experience

Highways

M25 Widening PFI

Technical Advice

Currie & Brown were appointed to provide technical advice in the (current) £1.5bn M25 widening PFI. The role includes detailed technical, commercial and contractual review and reporting to funders and rating agencies on all aspects, including:

- Construction technologies
- Traffic signalling and information systems
- Temporary works
- Lane management
- Traffic forecasting
- Programme
- Capex, Opex and lifecycle costs
 - Carriageways
 - Safety barriers
 - Lighting
 - Drainage & Landscaping
 - Planning
 - Environmental issues
 - Subcontract strategy
 - Legislation

Madrid Calle 30

Due Diligence

Currie & Brown was appointed as Technical Advisor by joint project funders Dexia Sabadell, Société Générale and Caja Madrid for a major road project in the Spanish capital. The programme has been the largest PPP initiative in continental Europe and the single largest in Europe to be managed by a UK consultancy. The objectives of the project include an increase in the capacity of the M30, recovery of the environmental areas surrounding the old sections of the M30, and regeneration and clean up of the Manzanares River. 35 year contract

- Largest PPP initiative in Europe
- Refurbishment and upgrade
- Total project value of €4 Billion
- New 8km long tunnel section
- 2 new by-passes
- Environmental recovery

Midpoint 18 Middlewich Bypass

Cost Management

Proposed construction of 2.2km of single carriageway designed to 40mph as part of the Phase 3 development of the Midpoint 18 industrial development. The proposed route of the carriageway is traversed by major sections of infrastructure, including the West Coast Main Line, overhead power lines, and subsurface high pressure gas and water mains.

Currie & Brown were appointed by the Northwest Development Agency to provide technical appraisal of the proposed costs of the highway and services works as submitted by the local authority and the developer.

A1/M1 Link Road

Due Diligence

Currie & Brown were appointed to provide due diligence services for the 30km long M1-A1 Link Road, which provides strategic connections between the M1 and M62 motorways.

In addition to construction, the project included the improvement of the M62 east junction 28, the M1 from junction 42 to Belle Isle, and the A1(M) from Hook Moor to Bramham.

- £234m capex
- 18km new road construction
- 12km widening of existing road
- 2 motorway interchanges
- 5 junction
- 147 associated structures.

M40 Denham to Warwick

Due Diligence

One of the first roads procured under a PPP scheme in the UK, with a concession period of 30 years. The DBFO contract included the widening between junctions A1 and A3 and the maintenance of the whole infrastructure upon completion of the works, with a total length of 123 km.

Street Lighting

Redcar & Cleveland Street Lighting PFI *Technical Advisers & Independent Certifier*

Currie & Brown has been appointed as lender's technical adviser and independent certifier on this PFI project, namely the design, construction, operation and maintenance of public street lighting throughout the borough for a period of 25 years. The Technical Advisor (TA) was appointed to review from a technical and commercial perspective the design, deliverability, construction, maintenance, operation and contractual aspects. The Independent Certifier (IC) audits both design and installation.

- 85% of lighting columns replaced
- Maintenance reduction
- Performance improvements
- Infrastructure renewal
- BS5489 and EN13201 certification
- Lighting replaced in 5 years
- Design and installation approval

Lambeth Street Lighting PFI *Technical Due Diligence & Independent Certifier*

Currie & Brown were appointed by Barclays Bank plc to provide funders technical due diligence, construction monitoring, certification, and operational monitoring on this South London urban and industrial street lighting PFI, with a 25 year operational lifespan. The project includes:

- Replacement signs and bollards
- Replacement lighting columns
- Mixed urban and industrial use
- Includes heritage conversation areas

Rouen Street Lighting and Traffic Control Modernisation *Banks Technical Advisors*

Currie & Brown has been appointed by Vinci Concession to act as independent technical adviser on the redevelopment and the modernisation of Rouen's city street lighting and traffic management infrastructure through a 25 year PPP concession.

- €55m capex
- 25 year contract
- Street light renewal
- Traffic light system renewal
- Centralised control facility
- Variable display signage
- CCTV and traffic measurement systems

Staffordshire Street Lighting PFI *Technical Due Diligence*

Currie & Brown were appointed by the Bank of Scotland to provide funders technical due diligence, construction monitoring, certification, and operational monitoring on the early wave of this street lighting PFI, with a 25 year operational lifespan.

This extensive project includes:

- Initial 5 year accelerated capex programme
- 25 year contract
- Replacement signs and bollards
- Replacement lighting columns
- County wide service
- Power purchase agreements

Aviation

Aviation Sector Clients:

- BAA Plc
- British Airways
- FAC Australia
- London Luton Airport
- Birmingham Airport
- Bristol Airport
- UK Ministry of Defence
- Malaysia Airline System
- CLK Airport Hong Kong
- Shenzhen Airport China
- Doha Intl Airport Qatar
- Munich Airport
- Peruvian Government

BAA Various Projects

Currie & Brown have a longstanding relationship with BAA and have worked for them on the Redevelopment of Terminal 2 at Heathrow, Terminal 4 Development and LGW North terminal Development among others.

Gatwick Airport Ltd NT IDL Lounge

Extension, Sussex
Extension to the existing international departures lounge, to provide additional retail and catering space and passenger facilities. Currie & Brown provided Commercial Management, Pre- and Post-Contract Cost Management and Risk Management services. Project value £32 million.

London Luton Airport Luton Airport
Landside Extension & Pier, Bedfordshire
New boarding pier and extension to existing terminal building as first phase of airport redevelopment. Currie & Brown provided Cost Planning services. Project value £20 million.

Halcrow International Ltd Athens Airport Olympic Airways

Construction of Airport Taxiway extension and hangar apron for the specific use of Olympic Airways at the New Athens International Airport. Project value £12.5 million.

Bristol International Airport Various Projects

Construction of a new 17,500sqm terminal building. Currie & Brown provided Full Pre- and Post-Contract Cost Management - Project value £23 million. Cost advice on the client's 10-year master plan for developing the airport - Project value £125 million. Construction of new 5-storey control tower - Project value £3.5 million.

Kuala Lumpur International Airport (KLIA) Malaysia Airlines Ground Support Facilities

The Malaysian Government acquired 10,000 hectares of land for development of a new International Airport to master plan, design, construct and commission a US\$4 billion facility. Currie & Brown provided Full Pre and Post-Contract Quantity Surveying Services.

Railways

Trans-Caucasian Rail Link Project *Project Implementation Unit*

Currie & Brown assisted the Azerbaijan State Railway Company establish a Project Implementation Unit (PIU) for this EBRD funded project. Currie & Brown provided technical support and knowledge transfer of the procurement process and methodology, as well as help in the reporting process required by the EBRD.

The Currie & Brown office in Baku formed the focus of the commission with specialist advice being provided from the UK.

- US\$ 20.2 Million capex
- Track renewal
- Material purchase
- Railway infrastructure
- Infrastructure repairs
- Knowledge transfer

TGV High Speed Railway Project *Contract Support*

Currie & Brown France SARL participated in administrative contract support to the co-leader of the Korean T.G.V. Consortium for this prestigious project. In addition, consultative support was provided in the form of contracts administration to Alstom Transport, who were responsible for providing the 46 T.G.V. High Speed Trains.

Crossrail *Cost Planning and Contractual Advice*

Currie & Brown were appointed by Crossrail to carry out cost planning and contractual advice in anticipation of the Parliamentary Bill to enable the financial planning and development of the £16bn capital project.

Transportation Infrastructure

East London Waste

Technical Advisors and Independent Certifier

Currie & Brown were appointed by ABN Amro Bank NV and NIBC Bank NV to act as technical advisors and Independent Certifiers on the £100m capex East London Waste Authority project, including multi-site roads, infrastructure, sea defences, a marine jetty, and rail freight terminals.

- Waste / demographic analysis
- Technology reviews
- Waste / recycling flow analysis
- Road / rail / sea transport review
- Contractual / commercial review
- Environmental licensing
- Legislation review
- Programme review
- Planning Review

Anglo Irish Bank – Bury City

Project Monitor Services

Currie & Brown were appointed by Anglo Irish Bank to carry out a technical review and construction technical monitoring on a 85,000 sq ft warehouse and office complex including road infrastructure, HGV bays, parking, lighting and drainage.

Yorkshire Bank – Minster Mill

Project Monitor Services

Currie & Brown were appointed by Yorkshire Bank to carry out an independent audit report and subsequent monthly reports of the development known as Caroline Street Retail Units.

The development includes external works comprising of access road, drainage, car parking, service yard, paving, retaining walls and hard and soft landscaping.

North Pickenham Wind Farm

Technical Reviews and Commissioning Certification

Currie & Brown were appointed by Noord LB Bank to provide funder technical reviews, commissioning certification, and construction and operational monitoring of an 8 x 2MW wind farm development including 8km of access roads and drainage systems.

- £15m capex
- Innovative piled foundations
- Grid connection
- Contractual review
- Cost / programme review
- Environmental planning

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