











Balfour Beatty

Analysts Day

21 October 2004









Brian Osborne

Group Managing Director, Balfour Beatty plc

Balfour Beatty

Working in partnership with the Highways Agency to widen Europe's busiest motorway

Balfour Beatty in roads

	2004E sales £m	Order book £m
UK road building / widening	275	498
UK road maintenance / management	190	435
US highways	135	445
Hong Kong roads	127	229
Total	727	1607



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New Civil Engineer — Contractors File 2004

ROADS/ROAD BRIDGES				
Comp	any		2003 £M	2002
1	(1)	Balfour Beatty	468.00	(325)
2	(2)	Ringway Group	259.00	(231)
3	(3)	Carillion	180.00	(182)
4	(6)	Alfred McAlpine	152.00	(118)
5	(7)	Mowlem	117.00	(114)
6	(4)	Edmund Nuttall	113.00	(151)
6	(5)	Amec Group	113.00	(127)
8	(8)	May Gurney Integrated Services	90.00	(93)
9	(11)	Birse Civils	80.00	(89)
10	(13)	Costain Group	70.00	(70)

UK early contractor involvement

Project	Estimated value (£m)	Start	Completion
A303 Stonehenge	190	2005	2008
A3 Hindhead	130	2005	2009
A46 Newark	110	2007	2009
A1 Wetherby	40	2006	2008
Total	470		



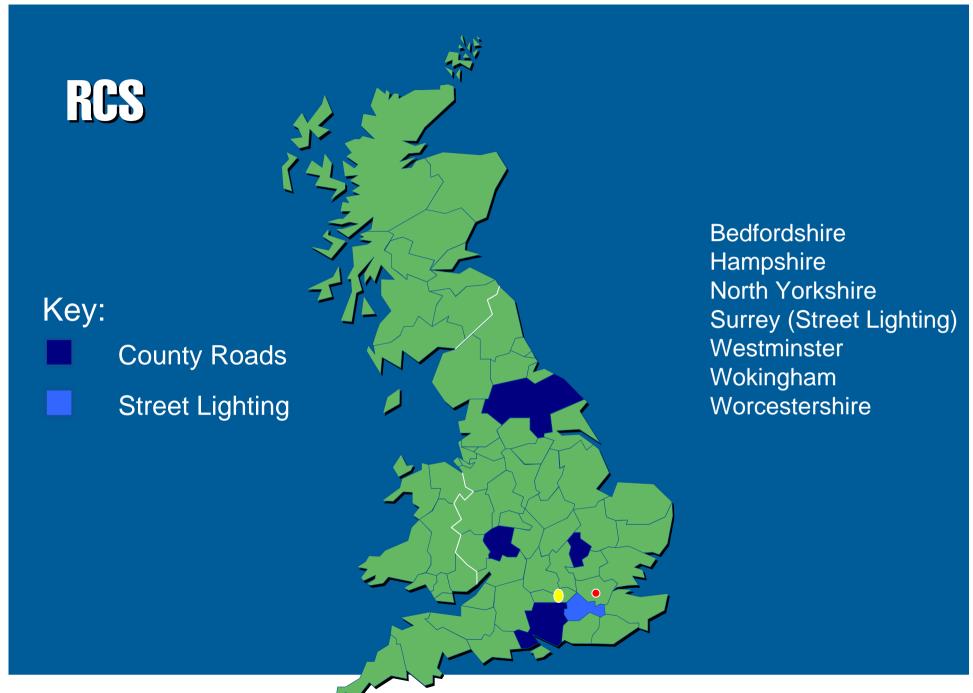
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Major widening project experience

Project	Value £m
M25 JT 12-15	148
M25 JT 8-10	93
M20 JT 5-8	70
M6 JT 30-32	37
M25 JT 10-13	30
M25 / A8282	26

UK Highways Agency widening prospects

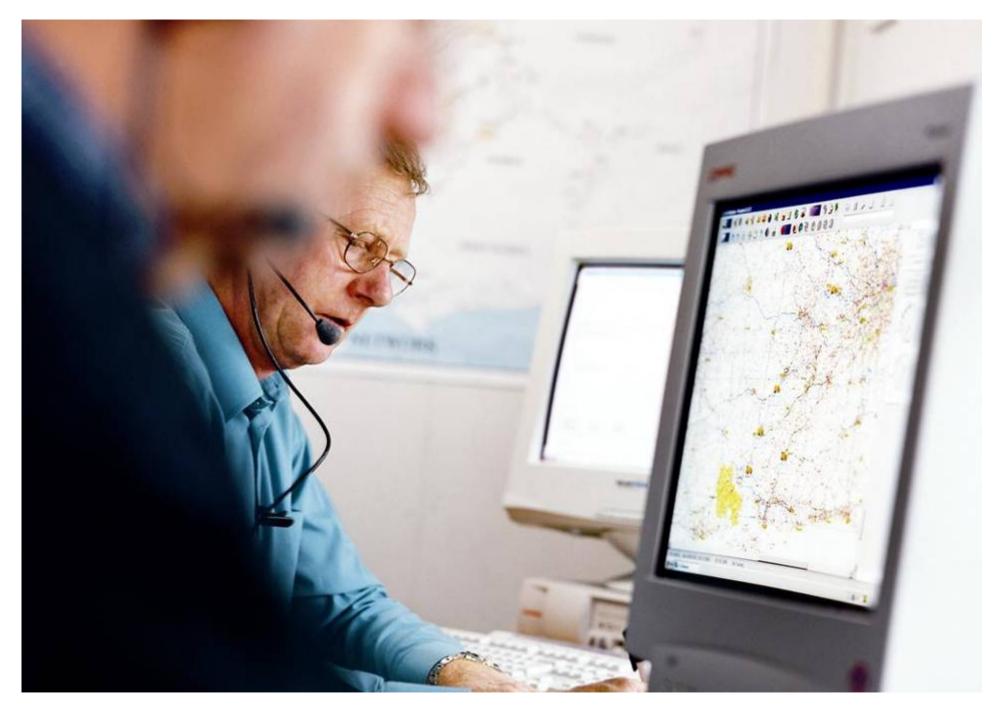
Project	Estimated Value	Start	Completion
M1 10-13	£380m	2008	2011
M1 6a-10	£230m	2005	2008
M1 21-30	£1.7bn	2008/9	?
M25	£1.5bn	2006/7	?
M6	£1.9bn	2012	?



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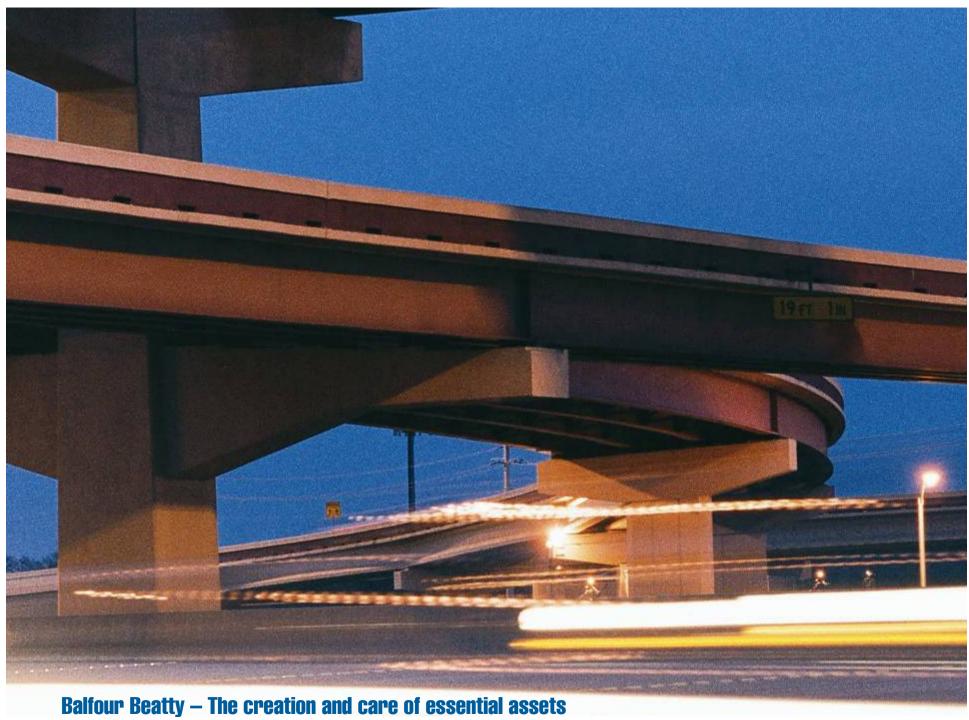
Road maintenance & management prospects

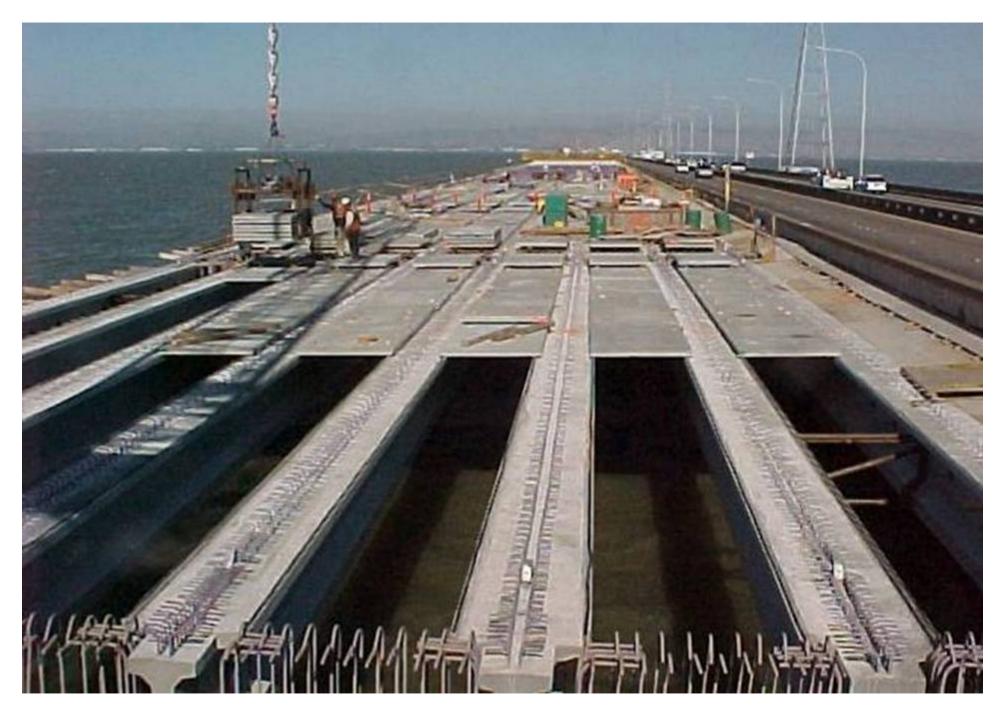
	Annual Value £m	Approx total value £m	Commence
Highways Agency - Area 2 EMAC	60	400	2005
Essex, Beds, Worcs, West Sussex	100	500	2005
Kent, Cambs, Bucks, Glos, Wilts	130	700	2006
Birmingham PFI*	40	1000	2006
M25 DBFO*	70	1500	2007

^{*} Excluding capital works

US roadbuilding and widening

	Order Book \$m
Texas	452
California	163
Central Region	189
Total	804





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The Highways Agency — an innovative client

Design and Construct

DBFO

Early Contractor Involvement

MACs

Quality evaluation in bidding

Peter Anderson

Project Director

Balfour Beatty

Presentation Overview

Tender Adjudication

The Project Team

Project Description

Construction Overview

Traffic Management

Community Contact

Works in Progress – Photo Library

Tender Adjudication

Quality Score Envelope A (threshold 65 / 100)

Technical, approach, mgt structure, customer care, supply chain

Financial Score Envelope B

- Adjusted Tender Price determined to reflect proposed programme duration (£140k / wk)
- Score awarded for proximity of ATP to mean of the prices

Final Tender Assessment = A + B (50:50)

The Project Team

Highways Agency Client for M25 Widening

HAL Client for the T5 Spur

Atkins Employers' Agent

Balfour Beatty Principal Contractor

Gifford WSP Designer

Principal Subcontractors Stent, McArdles, Websters,

Balmer Lindley, Tarmac,

RMC, AA, Saunders.

Project Description

Motorway Widening

- All widening within existing Highways Agency's land
- Five lanes between Junctions 12 and 14
- Six lanes between Junctions 14 and 15
- Provision of new hard shoulders
- Upgrading & widening of existing structures

M25 Spur Road

Project Description

- Widening existing embankments using retaining walls and steepened earthworks slopes
- Narrowing of existing central reserve using vertical concrete barriers
- Existing bridge parapet replacement and bridge refurbishment/widening
- New and higher noise absorbent environmental barriers
- Pavement strengthening and resurfacing
- Installation of new motorway drainage
- Replacement of Highway communications, signing and lighting

Key Dates

Contract Award (detailed design) 5th May 2003

Commence Construction 5th January 2004

Complete Construction 19th December 2005

Project split into 2 sections (each of 5 phases)

Section 1 Junction 12 to 14 Jan 2004 to Feb 2005

Section 2 Junction 14 to 15 Feb 2005 to Dec 2005

Scheme Benefits

Environmental Barriers

- Existing noise barriers are being replaced by higher and more noise absorbent
- New and higher environmental barrier at Thorpe and Egham

Low-Noise Thin Surfacing

Noise reducing thin surface course on road pavement

Ultimately improved through flow of traffic on this congested section of M25

Scheme Benefits

Replacement of existing lighting with full cut-off lanterns reducing intrusion to surrounding properties

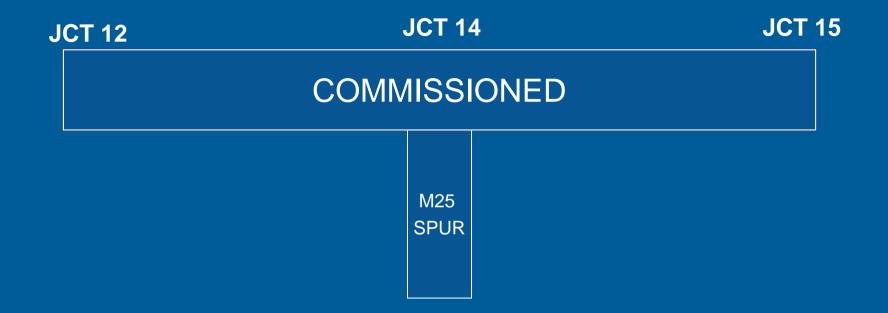
Retention of existing vegetation where practicable

New planting to replace lost vegetation

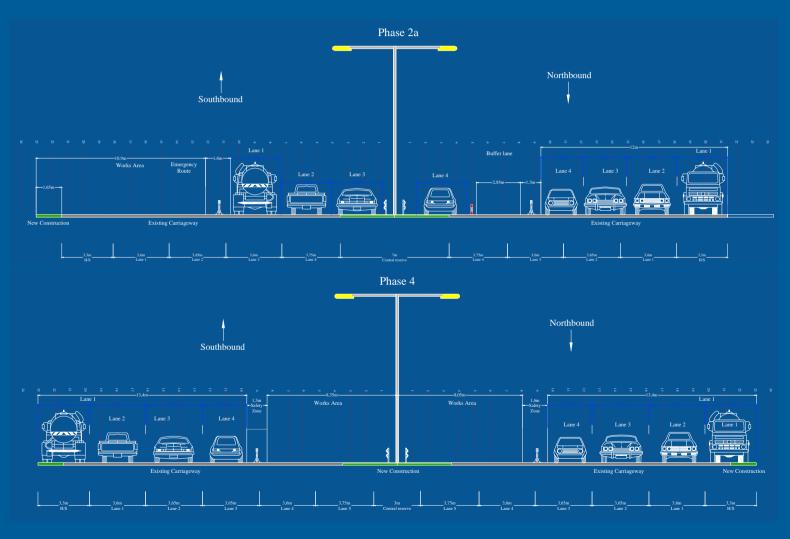
Replacement of the existing motorway drainage system, to include:

- throttling surface water flow during heavy rainfall
- installation of petrol/oil interceptors
- installation of emergency shut off valves

Construction Sequence Overview



Traffic Management Scheme (Typical)



Motorway Management

Responsibility for Motorway Junction 12 to 15

- BBCEL is responsible for maintenance of the M25 within the limit of the works
- A 40 mph limit has been established for the protection of the public and the workforce
- Reduced lane widths in order to facilitate the works

Vehicle Recovery

- 110 CCTV cameras monitor traffic 24-hours a day
- Stricken vehicles quickly removed from motorway to safe compound area
- Facilities provided for stranded travellers at the Balfour Beatty Project Offices

Progress to Date

Enabling Works Completed (survey, interrupter cable installed, detailed design complete, CCTV & vehicle recovery operational)

Phase 1 completed (hardening existing central reserve)

Phase 2 completed (southbound verge widening)

Phase 3 ongoing (northbound verge widening)

Health & Safety Strategy

Aims

- Secure a project AFR of 0.15
- Complete 1 million man-hours worked without a RIDDOR accident
- Develop our behavioural based safety skills

Mitigation measures during construction

Noise levels agreed with Local Authority

Noise and air quality monitoring during construction

Dust minimisation through damping/cleaning haul routes, enforcing site speed limits, covering wagons

Ecological Surveys and monitoring

Advising the Public

The Local Community

- Provision of a dedicated Community Relations Team
- Pre-Construction Exhibitions November 2003
- Regular newsletters distributed to the public
- Regular liaison with Councillors and MPs
- Section 61, noise monitoring / vibration monitoring

The Local Community

- Successful liaison with local authorities, police, emergency services
- Regular presentations to the local community
- Maintaining an inquiries/complaints database and close out process
- Providing a telephone help line (01784 488 217)
- Email help address (M25CommunityRelations@bbcel.co.uk)

Advising the Public

Vehicle Travellers

- Video and "infomercials", distributed to airports, ferry ports, motorway service areas, authorities and councils
- Early warning leaflets issued during August 2003
- Press releases issued throughout the works period
- Third party claims process established
- The Highways Agency's website (www.highways.gov.uk)
- The Highways Agency Information Line (08457 50 40 30)



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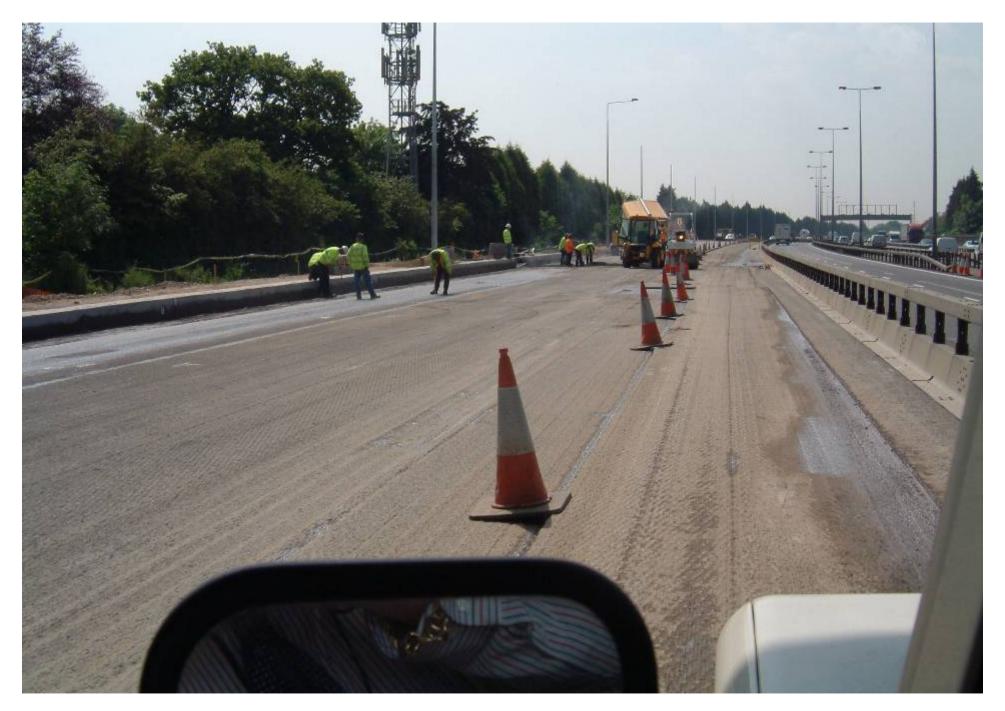
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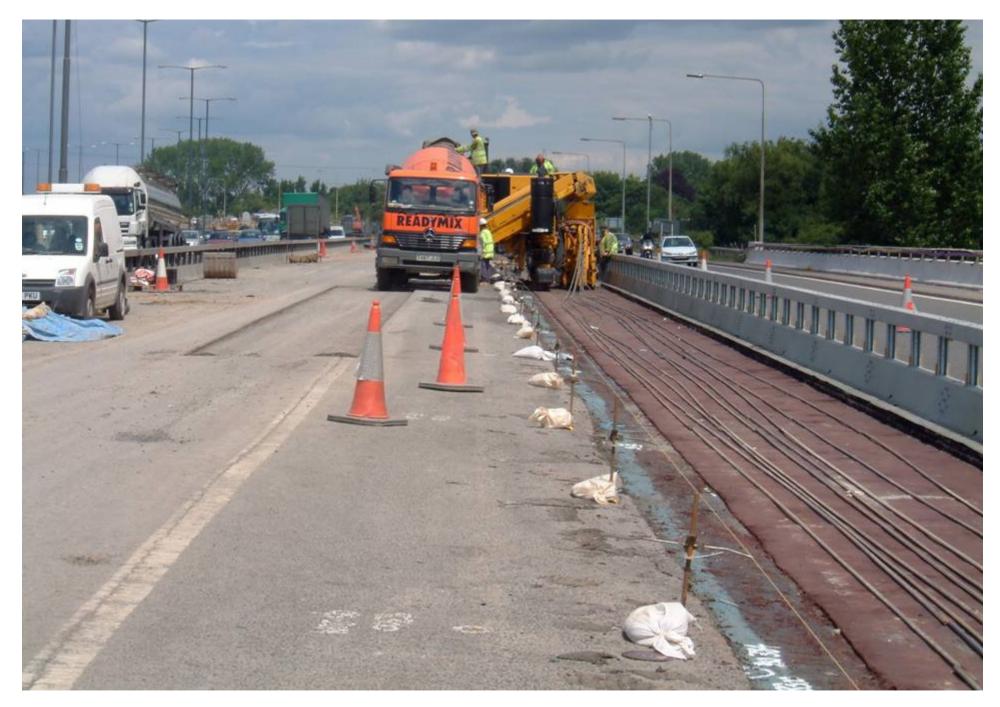
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