



MP&I E&P Contact Systems

**Presentation to First Capital Connect 15 May 2006
Michael Robertshaw Construction Manager**

Key Works ECML

- Span Wire Replacement.
- Catenary Wire Renewal.
- Campaign Changes.



Benefits

- Renewal of 30 year old equipment.
- Improved reliability and system performance.
- Upgrade to modern standards.
- Re-setting of the maintenance clock.

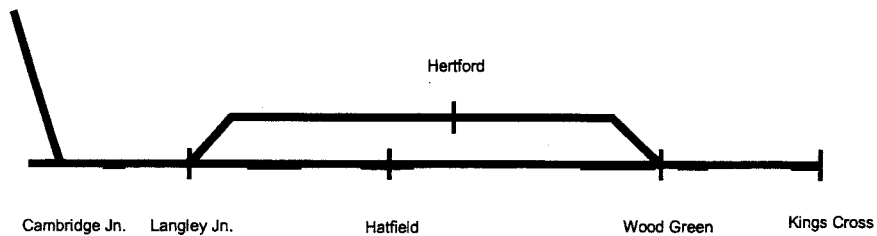


Work Volumes

Equipment	Authorised	Completed
Span Wire	1082	859
Replacement Catenary Wire	110	30
Renewal Campaign Changes (Wire Runs)	239	156



Progress



850 Span wires renewed
22 Catenary wires renewed



2006/2007 Planned Works

- Package 8 Kings Cross to Wood Green - Span wire replacement, Campaign Changes and Catenary renewal.
- Package 11 & 12 Wood Green to Knebworth - Catenary Wire Renewals
- Package 14 & 15 Langley to Hitchin - Span Wire Replacement.
- Christmas 2006 Kings Cross to Wood Green and Langley to Hitchin - Catenary Renewals.



RN 58 & 59 Package 8

- Package 8 is Kings Cross to Wood Green and includes all three elements of the key work areas.
- Contract awarded to Balfour Beatty Rail Projects.
- Programme Started week 42 2005/06 and runs to week 36 2006/07.
- Balance of the works after the Easter Possession is Campaign Changes and Span Wire Replacement

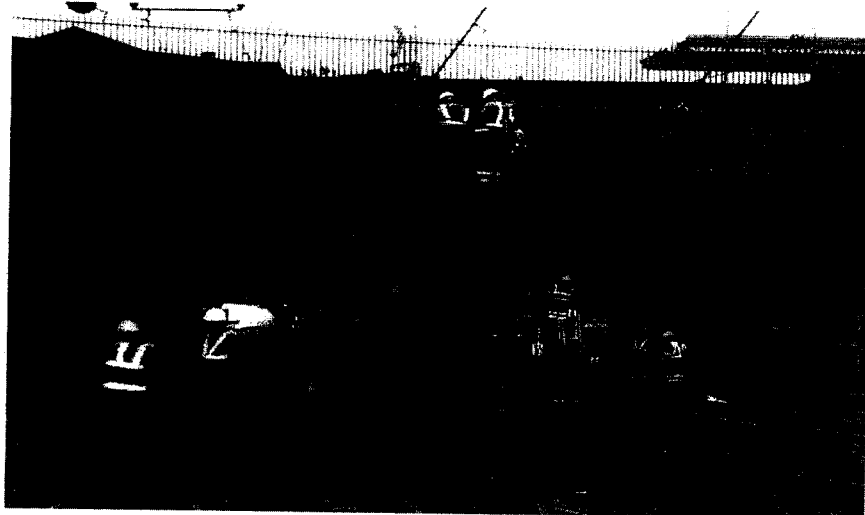


Kings Cross Easter Works

- Five Catenary Wire Renewals.
- Two Span Wire Renewals.
- Campaign Changes to all wire runs in platforms.

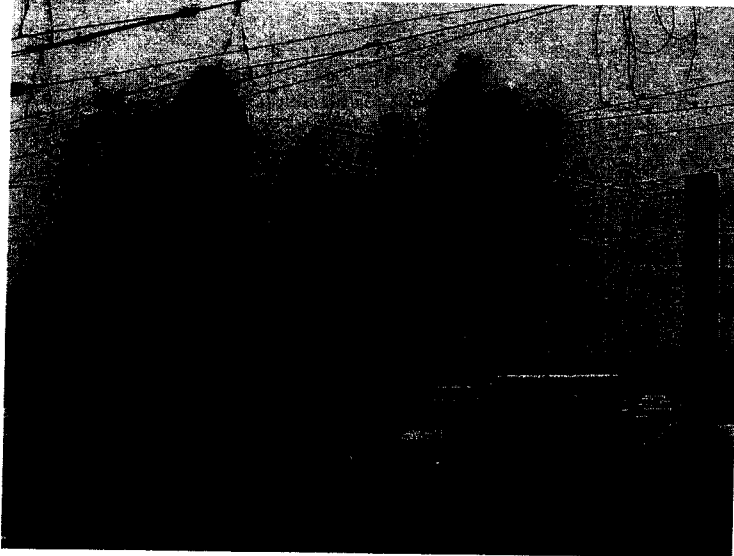


**Kings Cross Package 8 Easter
2006**



Network Rail

**Kings Cross Package 8 Easter
2006**



Network Rail

Possession Details

- 04.30 hours Saturday 15 April to 12.00 hours Monday 17 April.
- Planned disruption to 54 hour possession to allow the passage of diverted West Coast overnight sleeper trains into and out of Euston requiring access on the slow lines at the north end of our worksite.



Delivery

- Critical to the success of the programme was the completion of the works to all slow line platforms between Sleeper Trains.
- The works programme included hold points to mitigate against possession over run.



Measure of Success

- The works were completed to plan and the possession was given up at the due time.
- No accidents or incidents.
- Route Director and two TOC Directors have expressed their thanks.



Other Easter Works

- A total of six sites working through the weekend.
- Package 11& 12 Catenary Renewals.
- Midland Main Line Neutral section.
- Hatfield Catenary Snagging Works.
- Inspection of OLE fixings in Potters Bar Tunnel.

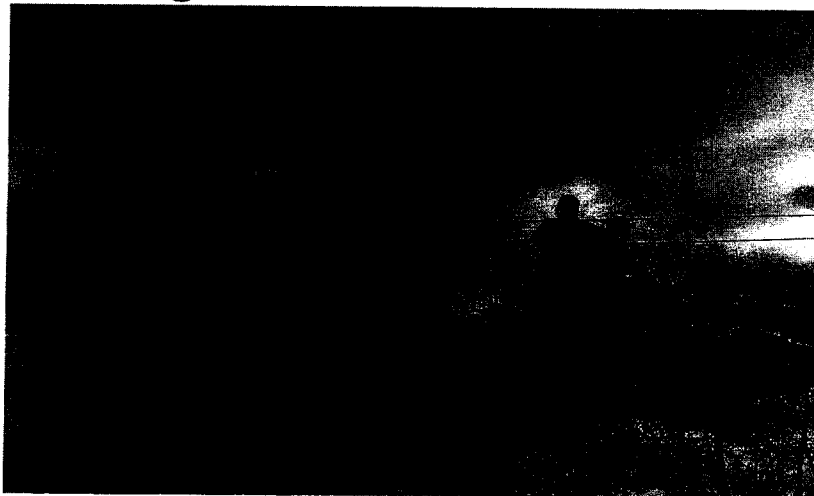


Package 12 Easter 2006



Network Rail

Package 12 Easter 2006



Network Rail

Contact Wire replacement

- Due to perceived savings with Catenary Wire the scope of the project team increased to include contact wire replacement on the fast lines.
- Work maybe carried out by the WCML Wiring Train between Wood Green to Knebworth.



Additional OHL Works

- RM68 Midland Mainline Neutral Sections, 8 no. planned, commenced at Easter and due for completion week 33.
- Midland Mainline Spanwire replacement, feasibility study in progress, first possessions available at Christmas 2006.
- GB 30 Anchor Tie Foundations, New foundations commenced, due for completion week 11.
- GC 22 Structure Replacement. Assessment commenced, work on site due to commence week 25 using WCML Piling Train.



Conclusion

- Built an excellent delivery team in York that is doing a great job and can take on any project.
- MML is a big challenge which we all need to get our heads around.
- Current programme of works runs to Christmas 2007.



- Thank You for listening.
- Any Questions.
- Michael Robertshaw MSc Eng

