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| TITLE    | A6 TADDINGTON BY-PASS       |
| VALUE    | £275,040                    |
| PERIOD   | 6 DAYS                      |
| CONTRACT | NEC 3 OPTION DCC AND W2     |
| CLIENT   | DERBYSHIRE COUNTY COUNCIL   |
| ENGINEER | ROB MOORE, PROJECT ENGINEER |

# Thomas Bow City Asphalt

THE CONSTRUCTION GROUP



Working on behalf of Derbyshire County Council, these works formed part of our Surface Work for Highways Framework Contract. The A6 Taddington By-pass is a popular and heavily trafficked dual carriageway located in the heart of Derbyshire's Peak District and National Parklands.

Having previously been re-surfaced using a 14mm SMA asphalt material, recent studies by the Client's engineers had determined that the performance of the material was deteriorating and expectations for safety and continued longevity were now being affected.

The reason for this was due to water ingress into the SMA's semi porous surface. The numbers and significance of trees that lined both sides of this dual carriageway were causing excessive moisture to build up, leading to moisture penetration and reduced life expectancy.

Prior to commencing the works we discussed and agreed a comprehensive traffic management plan with our long term supply chain partners, Moxon Traffic Management. This included the erection of signs advising local residents, businesses and commuters of the proposed works, dates and duration along with other signs advising of alternative and diversionary routes.

Operating under temporary traffic signals and using a convoy system, Phase 1 commenced with the closure of both lanes to the south bound carriageway, whilst the northbound carriageways were reduced to one operational lane only. Lane one being used for convoyed vehicles and lane two operating as a buffer or emergency lane.

Our teams then planed and resurfaced the south bound carriageway using a non-porous, hard wearing HRA asphalt

material incorporating 20mm coated chippings, which was followed by road lining works and replacement road studs to complete.

Works to the North bound carriageway were operated in a similar fashion to that of the south bound carriageway.

#### Scope of works:

- Night's - 19:30 to 06:00
- TM - Full lane closures, temporary signals & convoy
- Dual carriageway resurfacing using HRA & Chippings
- Length 3km (2286 tonnes HRA)

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