

## Bromley Heath Viaduct Refurbishments and Enhancement Works, Bristol

Bromley Heath Viaduct is a major, £11million scheme combining essential maintenance and innovative enhancements, delivered with minimal impact on the regional economy and local communities.

Located close to the M32 and M4/M5 interchange, the 100m long, 1960s concrete viaduct forms a fundamental part of Bristol's strategic road network carrying over 55,000 vehicles and 500 cyclists a day. The structure was understrength and in an ever-deteriorating condition. The existing footway was unfit for purpose and posed a major safety risk and barrier to sustainable travel.

The team adopted a radical approach that removed the need to revisit the viaduct for major maintenance and improvement works in the coming decades. It has also removed the major safety risk on the region's cycle network.

A comprehensive communication and engagement strategy was adopted to ensure that local people were engaged early and kept informed. The team engaged with businesses, residents and schools. The approach resulted in:

- Improved trust between the council and the public;
- Changing travel habits through cycling and public transport;
- Major businesses introducing new working practices to smooth out travel peaks;
- Reduced road usage during the works and the avoidance of major delays.

The team accelerated construction works reducing the 52-week planned traffic management duration by 13 weeks saving an estimated £13million to the local economy.

The adoption of sustainable travel was encouraged through a variety of initiatives, from offering grants for improved cycling facilities to hosting cycling roadshows.

The team is proud of the Bromley Heath Viaduct legacy:

- A major piece of regional infrastructure has been given an extended lifespan, offering future cost and environmental savings and eliminating disruption to the road network and local economy
- The structure has seen improvements which will benefit future maintenance enabling routine procedures to be undertaken safely and efficiently
- The provision of a segregated, spacious pathway stimulated the adoption of healthier transport methods. Since opening, both local schools and businesses have reported a significant shift towards sustainable transport methods.

