



# CASE STUDY

## TESCO BRIGHOUSE



### OVERVIEW

#### SITES

17,300m<sup>2</sup>

#### DURATION

4 Weeks

#### AREAS

Car park

#### MATERIALS

Reduced Emissions Asphalt

#### SERVICES

Surveying

Technical Advice

Surfacing

Line Marking

Drain Surveys

Drain Repair

Tesco's approached retail specialists OUTCO to complete critical car park repairs to its superstore in Brighouse. Following an initial scoping visit in March issues with levels, safety critical areas and drainage were identified. OUTCO produced a full survey of the asset and provided a report outlining the immediate repairs required. Collaborating with our client and supply chain a proposal was put forward to Tesco to complete the works using a Reduced Emissions Asphalt (REA) with added environmental benefits.

In April OUTCO was instructed by Tesco to proceed with immediate repairs, highlighted in our Site Report in March. These included critical health and safety repairs to areas across the car park that had dilapidated causing severe potholes, these could potentially cause trips and falls. Our teams also complete a CCTV drainage survey inspecting the drainage system and advanced testing including core testing and topographical surveys.

Based on the testing results, which found a very thin layer of sub base, OUTCO proposed a solution to our client that would result in the most cost effect yet hard wearing performance.

Our proposal was to use an innovative specialist material that can be laid in a thicker, single layer. Providing a suitable surface course layer for years to come while providing efficiencies and reduces the programme duration, compared to alternative options, by approximately 35%.

This innovative solution is also part of the REA offering, this material, on average, offers a 40% reduction of specific gases and particulate matter during the mix. This material substantially reduces Nitrogen Oxides, Oxide and Carbon Dioxide found in normal asphalt mixes.

Due to the location of the works and a planned 130 tonnes of material going to be laid directly next to the entrance the added benefit to both the general public and OUTCO surfacing team is the active odour neutralisation of 95-99%, making the material much more pleasant to lay and be near.





## Delivery

Working with our client to ensure the maximum number of car park spaces remained open during maintenance, OUTCO phased our works into smaller areas, sectioning these areas off with Heras fencing ensuring visitors remained safe at site. The surfacing works were completed over a three week period, only working on site Monday to Friday ensuring Tesco had complete use of their car park for the busy weekend periods.

The 17,000m<sup>2</sup> car park and access road was completed using the REA material this equates to the equivalent of removing 680 cars from the road network or planting 272 new trees.

Phase two of works included the installation of 130tonnes of material directly next to the store entrance, supporting the store with pedestrian access and exit route, OUTCO was able to lay our material next to the entrance with minimal impact. The benefit of the odour neutralising material ensured visitors could enter the store with little disruption or strong odour affecting their comfort.

Our civils teams are also completing a large elements on site including tactile paving, kerbing, knee rail fencing, pedestrian barriers and concrete works.

OUTCO drainage carried out extensive CCTV Condition and Connectivity Survey, out of hours, so not to disrupt the store. This work was done with a Jet-Vac cleansing the lines, using High Pressure Water Jetting, after which our operatives used the various systems to survey the lines. As a result of the survey a report and plan were presented to Tesco, this detailed the issues that had been found and what OUTCO recommended to repair, to return the systems functionality.

These repairs included the cutting back of root intrusion and installation of patches to ensure that the roots would not cause future problems; cutting back of intruding connections likely from previous installation, using a robotic cutter and the installation of patches over displaced joints and fractures. All of the work was completed using “no-dig” technology and carried out by our experienced and qualified staff.

The site was complete with reinstating thermoplastic line marking to the complete car park before handing the site back to our client.