



Depot Lighting Feasibility Study

Frankham were appointed by Arriva Traincare to undertake a set of feasibility studies that would establish the options available to upgrade or replace the existing general and emergency lighting to several Arriva Traincare depots.

Client:
Arriva Traincare

Value:
£32.8k

Services:
**Building Services
Electrical**

Start and End Dates:
June 2022 - August 2022

Overview

The feasibility studies were carried out at the following Arriva Traincare depots:

- Bristol
- Cambridge
- Crewe
- Eastleigh

As part of the study, we undertook site surveys to identify the extent, type and condition of the existing lighting systems. These surveys enabled proposals to be developed and budget estimates to be calculated.

We put forward a set of recommended solutions for the client and stakeholders to review and make an informed decision as to which option to proceed with.





Added Value

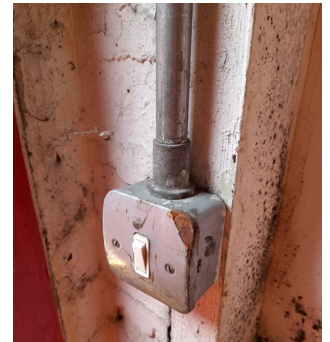
Cost Savings

Cost savings would be achieved by implementing the proposed lighting solutions. These solutions included:

- Upgrading all existing lighting, including redundant fluorescent luminaires, to energy efficient LEDs.
- Installation of lighting control equipment to provide occupancy control over all areas. For example, the installation of PIR's to turn lights off in areas when they are unoccupied.

Multi-disciplinary Capabilities

Proceeding with our recommendations would result in Frankham submitting a fee proposal for the Stage 2-4 Design and the Stage 5-7 Contract Administration of the works. This proposal would require the expertise of the multi-disciplines within the Frankham Group.



Challenges Overcome

Site Constraints

The sites were live functioning depots with rolling stock moving through them for the durations of the visits. We adopted the necessary Health & Safety measures due to the hazards of working near and on the rail lines.

Time Pressures

The client wanted all of these feasibility surveys completed before the end of August to enable them to make a bid submission to senior management for approval and to secure funding. We resourced the project accordingly in order to deliver the required studies within these tight timescales.

