

Greater Anglia Carriage Wash Machine Renewal/Refurbishment Project Case Study



The project was to Refurbish/ Renew the life expired Carriage Wash Machine at 5no Depots for Greater Anglia Clacton, Colchester, Ilford, Orient Way and Southend Victoria.

Location:
Greater Anglia
Clacton, Colchester, Ilford,
Orient Way & Southend Victoria

Client:
Garrandale Rail
(End Client Greater Anglia)

Dates:
Start October 2020
Complete February 2021

Contract Value
£950k

Key KGJ Price Deliverables:
Project Management (PC)
Design- Civils
Lineside Civils Installation
Civils CRE
Temporary Works (Design &
Construction)
Handback Engineer

Project Background:

Greater Anglia is introducing an entirely new fleet of trains into service, provided by two different manufacturers. The units are made up of a variety of classes and consists of; Bombardier Class 720 Aventra, Stadler Class 745 12-car AR/IC and Stadler Class 755 Bi-Mode Units.

The Activities are to the Renew the Carriage Wash Machine at Southend Victoria and Refurbish the carriage washes at Clacton, Colchester, Ilford and Orient Way utilising the same footprint where available.

KGJ Price Rail Scope of Works:

KGJ Price were contracted to carry out the role of Principal Contractors for the renewal of the Carriage Wash Machine at Southend Victoria and the renewal (Bobbins and Flails) at Clacton, Colchester, Ilford and Orient Way. This included, pre-booking of worksite & isolations, design & build of the lineside Civils element of the works, Temporary Works, On Track Plant procurement including ALO & Lift plans. KGJ Price also provided Garrandale Rail with a Civils CRE for the duration of the Project.

Elements and Scope:

Lineside Civils Design:

- Speed Sign Foundations
- Tag Reader Foundations
- Pre-Cast foundations
- Temporary Works (RRAP)

Lineside Civils Installation:

- Removal of Southend Vic CWM
- Removal of 70,000l water tank
- 3no Speed Sign foundations
- 10no Tag Reader bases
- Trough Route
- GRP Walkways
- 2no Single Road RRAP



KGJ Price Technical Capability:

KGJP provided the Project Management and Engineering specialist support to identify engineering risks and mitigation as well as engineering efficiencies

Technical Quality:

KGJ Price provided a quality finish for all of our works delivered with minimal snagging identified by GA and a full H&S File delivery including As-Built drawings and CAD files for all installations.

Multi-Disciplinary Capability:

KGJ Price Rail employ in-house engineering resources over a number of Engineering Disciplines which allows specialist delivery of technically challenging works including:- Points Conversions; Hollow Sleepers, IRJ's, CRT Management & Track Monitoring; Level Crossing Installation.



Planning and Delivery:

All works were carefully planned-in to ensure that the works were ready for the commissioning week. By co-ordination of all trades, the works were delivered in a sequenced phasing which allowed the works to be ready for the final testing and commission of all aspects related to the Carriage Wash Machine

