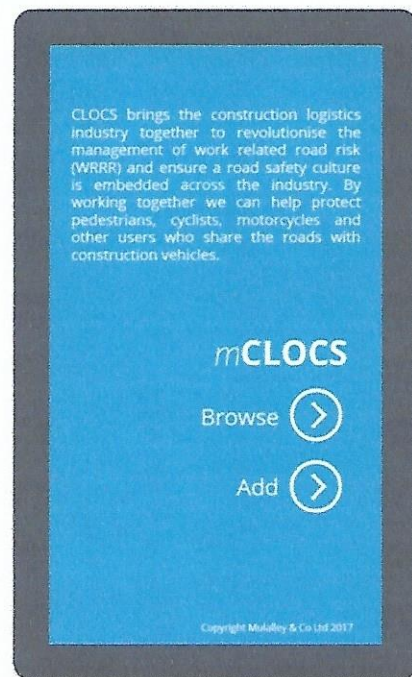


APPENDIX 2: Mulalley & Co Ltd, Bridge House, Hackney - CLOCS Monitoring App

Mulalley is a leading contractor for construction, development, refurbishment and maintenance and is at the forefront of innovation. We are based in Redbridge and operate over London and the South East. Being a CLOCS Champion has helped us to make tangible improvements to our own fleet, manage the impact of our sites and our supply chain, to ensure we protect vulnerable road users. Our CLOCS monitoring app helps us use technology to improve efficiency and increase compliance.



We became a CLOCS (construction logistics and community safety) standard Champion in 2016, catalysed by a client contractual condition. We recognised that CLOCS was an important initiative which clearly aligned with our commitment to improve safety, plus our other credentials as a Considerate Constructors Scheme Founder Member, Investor in People Gold and RoSPA Gold accredited company. We have also been FORS (Fleet Operator Recognition Scheme) accredited since 2013 and recently achieved Gold again. As an active CLOCS working group member, we are keen to achieve best practice and innovate our approach to ensure vulnerable road user safety.

CLOCS requires the contractor responsible for the site, to monitor compliance of the supply chain with the CLOCS standard. This includes being a minimum of FORS bronze or equivalent accredited, fitting vehicle safety equipment to reduce blind spots and alert road users of vehicle manoeuvres and ensure drivers complete relevant training and have their licences checked. CLOCS advises checking compliance with this as vehicles arrive at site and the CLOCS toolkit provides a paper template for this.

However, at Mulalley we quickly identified that we could utilise technology to improve data capture and minimise risks of CLOCS check forms going missing, illegible handwriting and administrative time to type up results. Whilst there are various off-the-shelf applications which can be used, we utilised our in-house expertise to easily build our own app based upon PowerApps and SharePoint, for free.

To date, this has helped to improve consistency of data collection, speed up the CLOCS



monitoring process and facilitate analysis of compliance. For example, the app has drop down lists with pre-populated answers and has the option to omit some options depending upon whether the vehicle is a van or a lorry. ***"Becoming a CLOCS Champion demonstrates our commitment to improving safety and best practice, to minimise the impact that our construction sites have on people and the surrounding area."*** Eamon O'Malley, Director

Whilst we only recently created the app, we have created a template to analyse the results of the checks. This enables the on-site CLOCS Coordinator to simply drop raw data into a spreadsheet, which then generated several graphs and tables to help then interrogate compliance.

We have seen numerous benefits from our own fleet becoming compliant with CLOCS. Our absolute number of collisions reduced by a third in 2017, which per 100,000 miles travelled is a 13% reduction. FORS has given us the tools to review our collision reporting processes and ensure all our drivers receive appropriate vulnerable road user training and e-learning. We have also significantly reduced fines and charges received and fuel usage, supporting our carbon neutral status.

Retaining FORS Gold has helped us credibly encourage our supply chain to comply; we have written to our top 200 suppliers, promoting the benefits of CLOCS and of progressing to FORS Silver and Gold accreditation. We also mandate CLOCS within our supply chain for in-scope contracts and are active members of the CLOCS working group. We have focused on initially implementing CLOCS at our larger sites and those in areas with high concentrations of vulnerable road users, such as our Bridge House ultra-site.

General Checks ADD ✓

Vehicle Checks

Class V & VI mirrors	Fitted and working ✕
Warning Systems	SELECT
Side Guards	Not fitted
Audible Left Turn Warning	Fitted but not working
Warning Signage	Fitted and working ✓

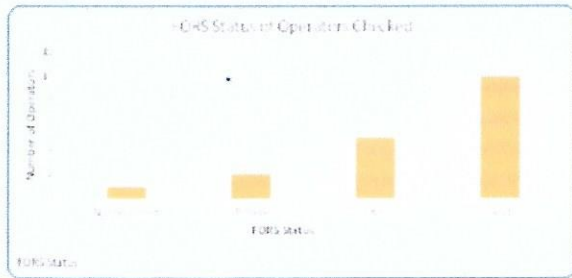
Vehicle Comments

PASS / FAIL PASS ✓

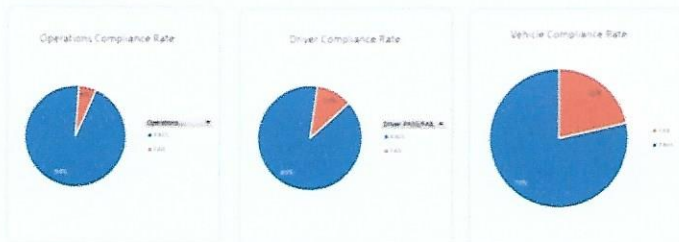
Driver Checks

APPENDIX 2: CLOCS Monitoring App Data Example

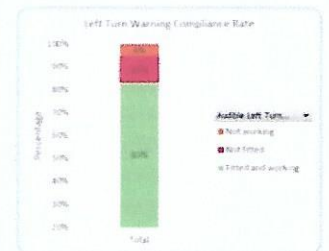
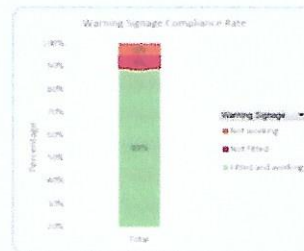
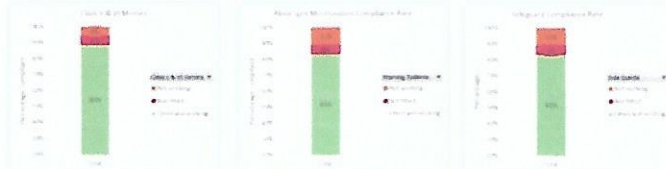
CLOCS Compliance Checks – Data Analysis



Overall Compliance Rate Summary



Vehicle Compliance Graphs



Driver Compliance Graphs

