

Cargo cycles in construction

+10 years researching construction inefficiencies at the gate including use of alternative modes.

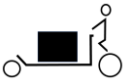
Cargo bike considerations:

- Trialling cycles at construction
- Assessing load capabilities
- Identifying risk, potential outcomes and control measures
- Collaborating with industry partners
- Promotion



Cargo introductions

Numerous types of bike have been introduced to the industry

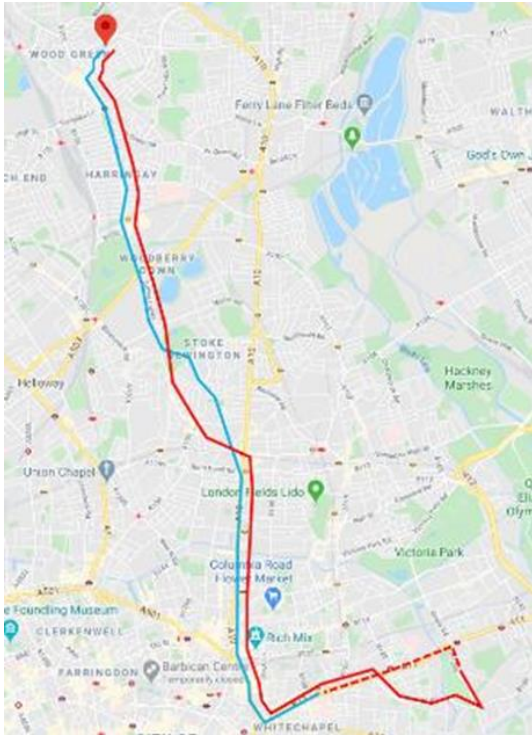


Examples:

- Mace
- Morgan Sindall
- JF Hunt
- Berkely Homes
- FM Conway
- Murphy
- Speedy Hire



Cargo trial



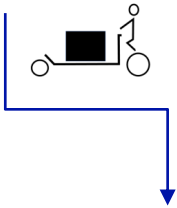
Benefits – Crossrail demonstration

- £65 + time (avoiding van hire)
- 10km saved
- 31 minutes (avoiding FORS vehicle check)
- 10 kg CO₂/km
- 310 calories burnt by rider
- JG McCoy now use where practicable

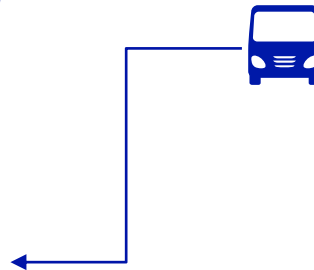
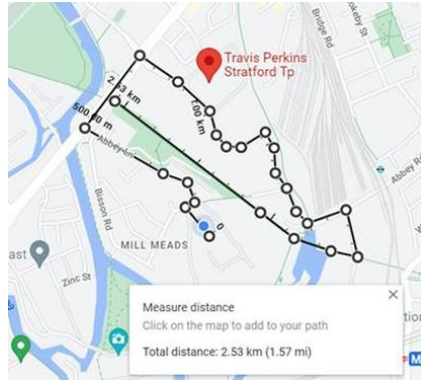
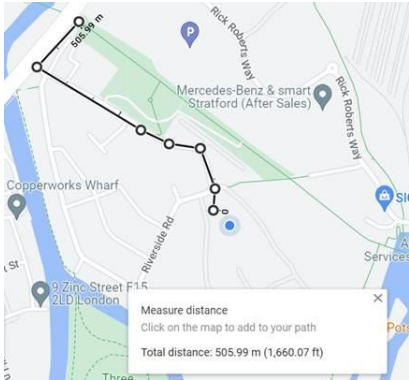


Cargo trials

TfL, LB Newham, J Murphy Ltd and Thames Water – The Greenway



Van vs Cargo bike 1 month trial
 Saving – 282km, 21.9hrs, 76kg CO2 and staff enjoying cycling (priceless)



J Murphy expressing aspirations to purchase on next contract 2023



Cargo cycle commitments



Purchased 2 x bikes

**Over 10000km to date
CO₂ = >2 ton***

Delivering:

- Lighting equipment
- Bolts, brackets, cables
- PPE, signs
- Traffic cones
- Food parcels

*(Van 200g/km)



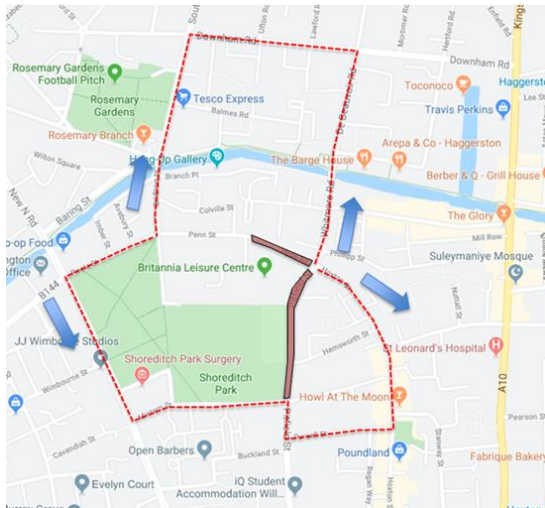
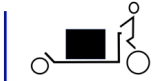
**HSS
Sunbelt
Bouygues
Ringway
FM
Conway**



Development logistics

TfL, LB Hackney & Morgan Sindall collaboration –
Britannia Site

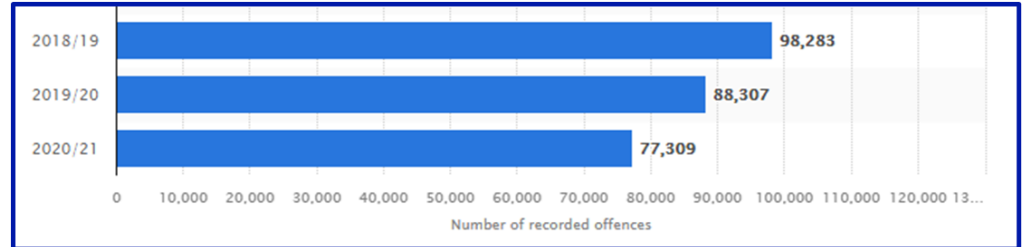
- Utilised adjacent Cycleway (avoiding diversion – red dash)
- 7 deliveries per week
- Cargo bike loading area
- Marshals trained to manage



Standards and safety

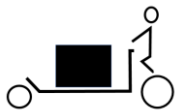
- Observing negative behaviours
- Training
- Considering crime and security
- Cycling offences dropping
- However, eCycle growth and u-turn?

eCargo growth and considerations – Met Police collaboration



According to the Bicycle Association of GB:

sales of cargo bikes are expected to increase by 60%
£4-12k+ value

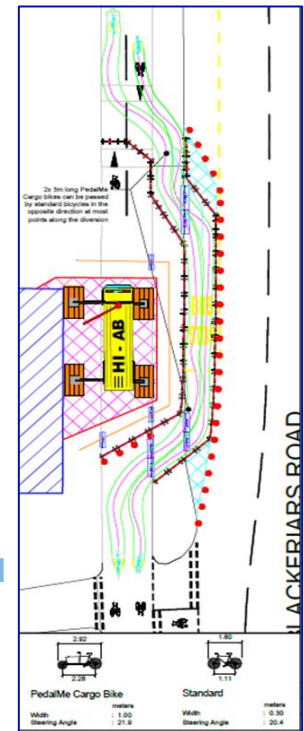


Infrastructure and roadworks

- Software – swept path analysis available for larger cycles



- Routing challenges
- Roadworks standards
- Available mitigation



Industry Collaboration

- Cargo bikes and logistics forum
- Awareness presentations
- Guidance drafted
- Partnerships
- Setting standards

