

MORE Exchange Forum

24th June 2020

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Buchanan Computing

**ENGAGING STAKEHOLDERS IN THE DESIGN
PROCESS WITH TRAFFWEB AND LINEMAP**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769276.

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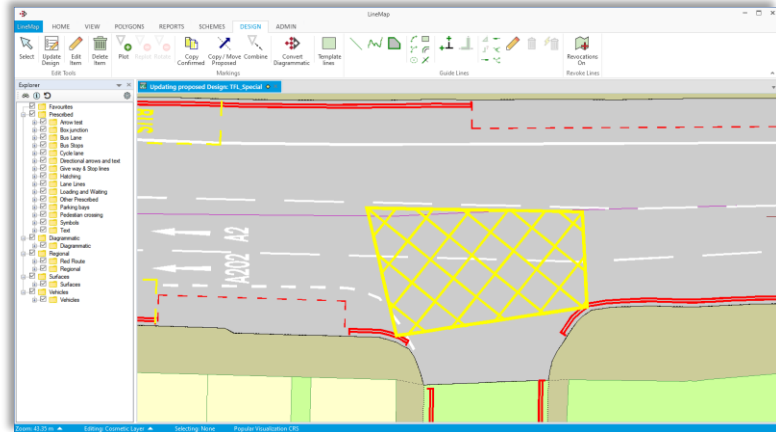
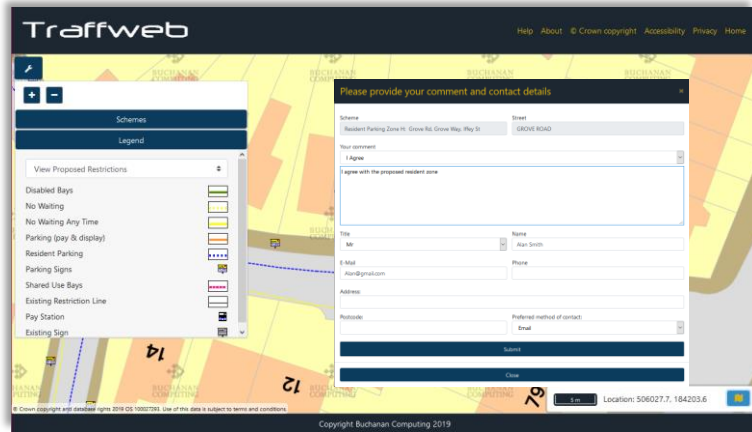
MORE
Multimodal Optimisation
of Roadspace in Europe

Stakeholder Engagement

- **Issue Consultation:** Collect issues, suggestions and comments regarding the current situation within the study area: **Traffweb Issues**
- **Design Consultation:** Feedback on design(s) for the improvement of the study area: **LineMap** and **Traffweb Design**

Engagement Software Tools

- **Traffweb:** Map based Web App used for Public Consultation, Parking, and Road Safety by Local Government within the UK.
- **LineMap:** Map based Road Marking Design Tool in the cloud



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Engagement and Design Process

Traffweb :
Issue
Consultation

Street Layout
Toolkit:
Generate
design
options

LineMap:
Professional
input to
further refine
designs

Export
Designs to
VISSIM for
modelling

Traffweb for
Design
Consultation

Analyse
Comments
from
Consultation



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Issue Consultation

- Stakeholders can make multiple comments covering:
 - General Study Area
 - Specific Locations within the Study Area
 - Issue Category (Parking, Congestion, Road Safety etc.)
 - Time of Day
- Stakeholders provide responder details to aid analysis:
 - Interest(s) in Study Area
 - Mode(s) of Transport
 - Location, Name, Email (optional)



What is MORE?

Multi Modal Optimisation of Road Space in Europe (MORE) is a European Commission funded research project that recognises roads are under pressure and the demand for transport is becoming increasingly diverse. Delays and variable travel times put the reliability of the network at risk both for passengers and freight. This requires a more efficient use of road space, applying multimodal design.

At the same time, developing safe and attractive cities demands transport and city planners to encourage street activity and reduce traffic dominance. MORE will develop design concepts that acknowledge such variety in economic and social interests, considering the needs of all road users.

London is a city partner of MORE using the A2, illustrated below, as it's case study corridor from Bricklayers Arms to the M25, where the corridor joins the Trans-European Transport Network (TEN-T).

This survey is designed to gather issues experienced by local street and road users on a short section of the A2 corridor focussed in New Cross which has been identified as a particular area of the A2 under pressure.

The results of this survey will be used in the co-creation of design options which incorporate experimental options such as flexible use of kerb space and dynamic allocation of road space to accommodate different functions. There will be the opportunity to participate in workshops to develop these designs which we hope you will be interested in joining.

The map gives an overview of the whole feeder route (A2) and scheme area New Cross Gate in the context of London

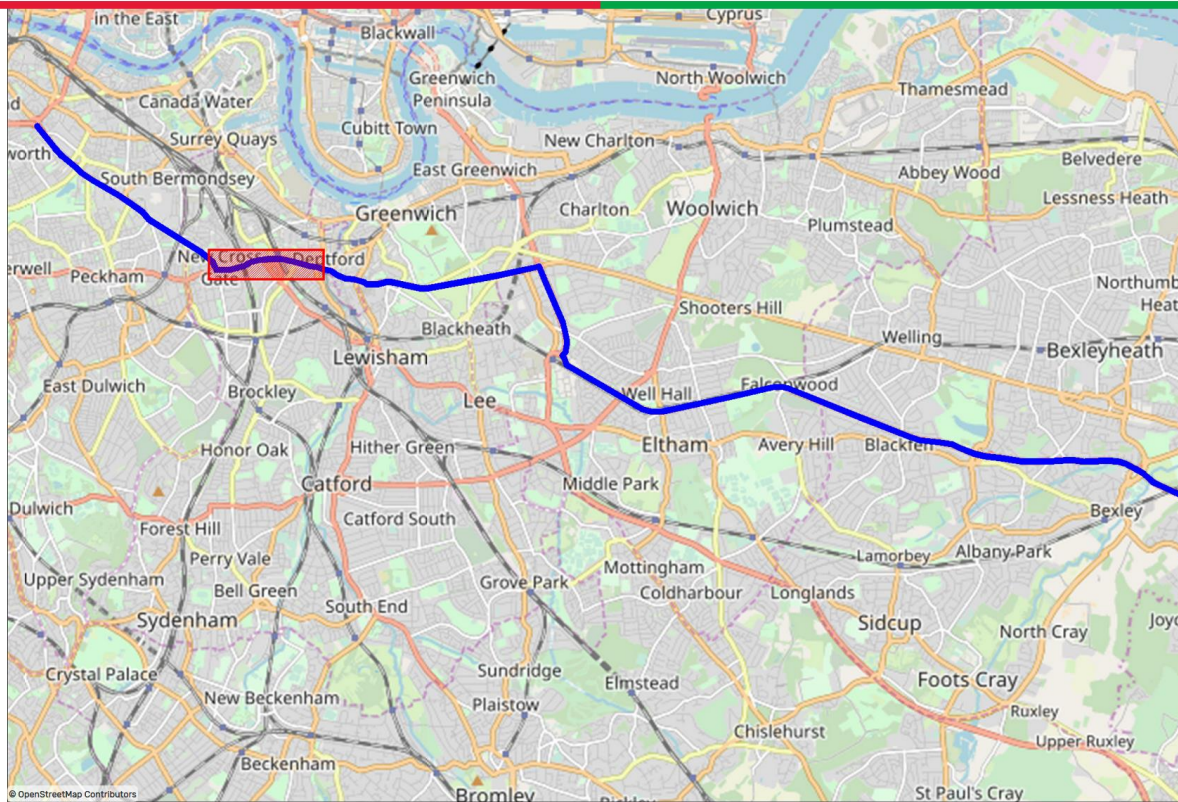
Scheme Area:  Feeder Route: 

[Begin](#)



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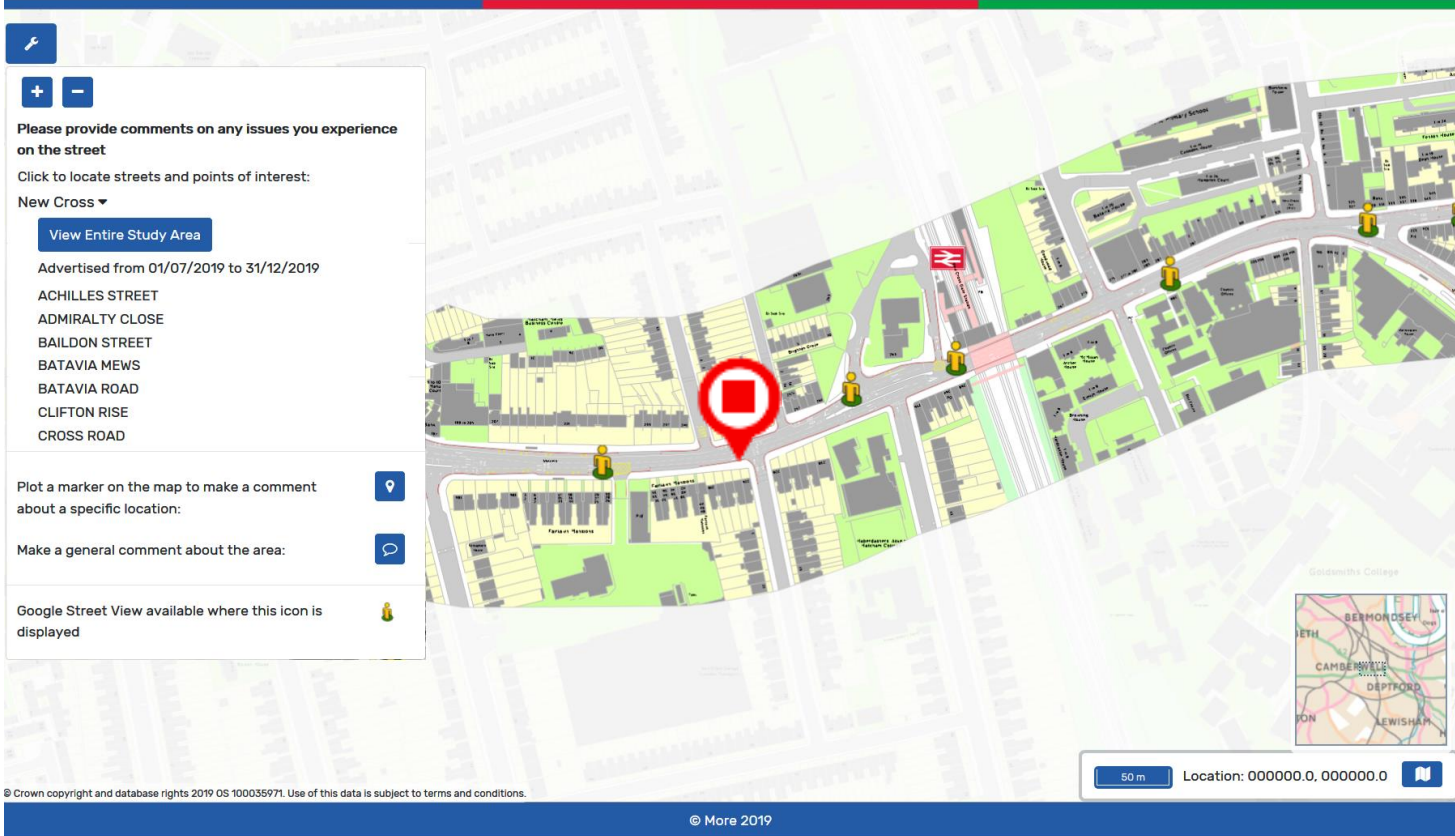



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Please provide comments on any issues you experience on the street


Click to locate streets and points of interest:


New Cross ▾


[View Entire Study Area](#)


Advertised from 01/07/2019 to 31/12/2019

- ACHILLES STREET
- ADMIRALTY CLOSE
- BAILDON STREET
- BATAVIA MEWS
- BATAVIA ROAD
- CLIFTON RISE
- CROSS ROAD

Plot a marker on the map to make a comment about a specific location: 

Make a general comment about the area: 

Google Street View available where this icon is displayed 


50 m Location: 000000.0, 000000.0 

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Please provide comments on any issues you experience on the street

Click to locate streets and points of interest:

New Cross ▶

Plot a marker on the map to make a comment about a specific location: 

Make a general comment about the area: 

View point 

Please provide your comment:

Which of the following issues would you like to comment on?

Safety and Crossings (e.g. collisions, safe crossing points, waiting time, personal safety & crime) ▼

At what time of day does this issue occur?

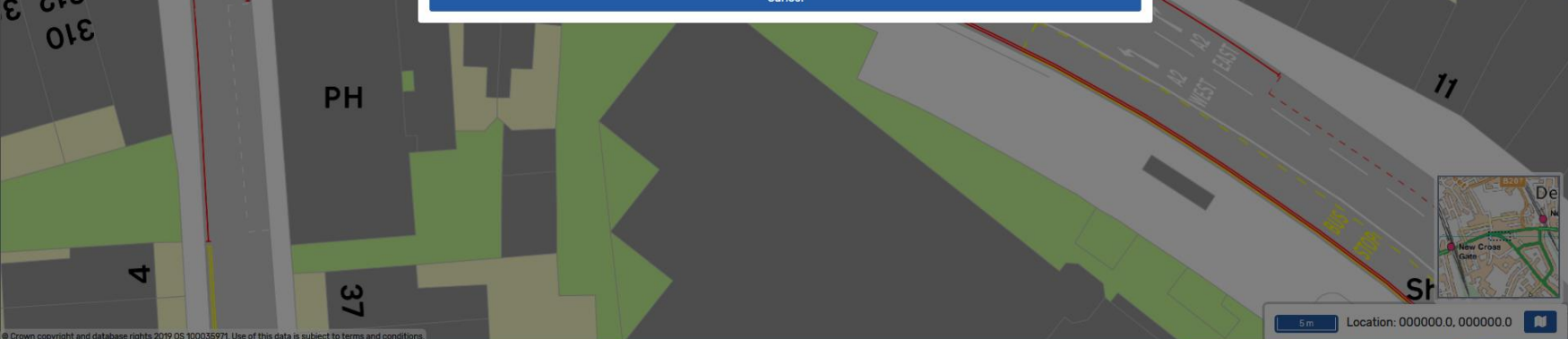
All Weekday Peak Times ▼

Please provide details of your selected issue

People running to catch the bus

Add

Cancel



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Consultation: Reporting

- Designers can log into reporting facilities including:
 - Dashboard summarising responses to date
 - Download Full CSV Dataset (GDPR compliant)
 - Upload related reports for other Designers to view



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Dashboard Reporting

Charts Map

Scheme: All



Download Report

All Documents

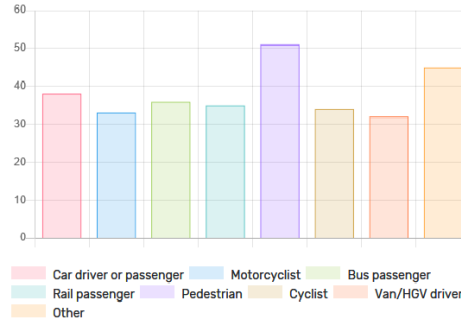
New Cross Road Sample Scheme

New Cross Improvements Design 1

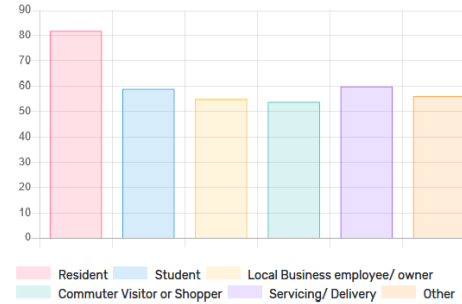
New Cross Improvements Design 2

Current Road Markings

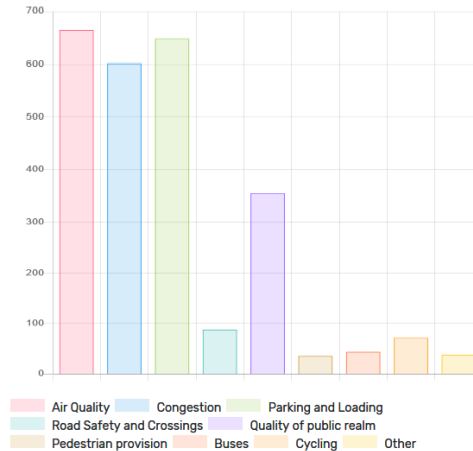
304 Modes from 187 responders



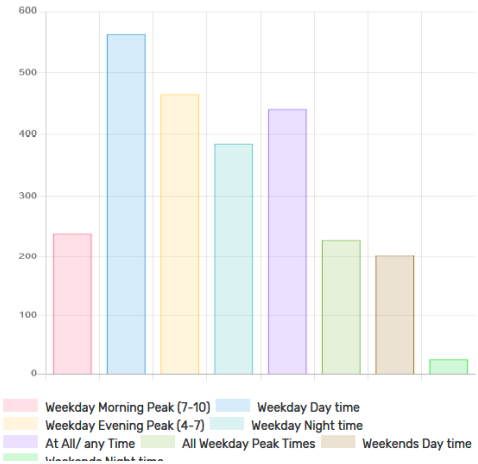
366 Interests from 187 responders



2549 Issue



2549 Time of the Day



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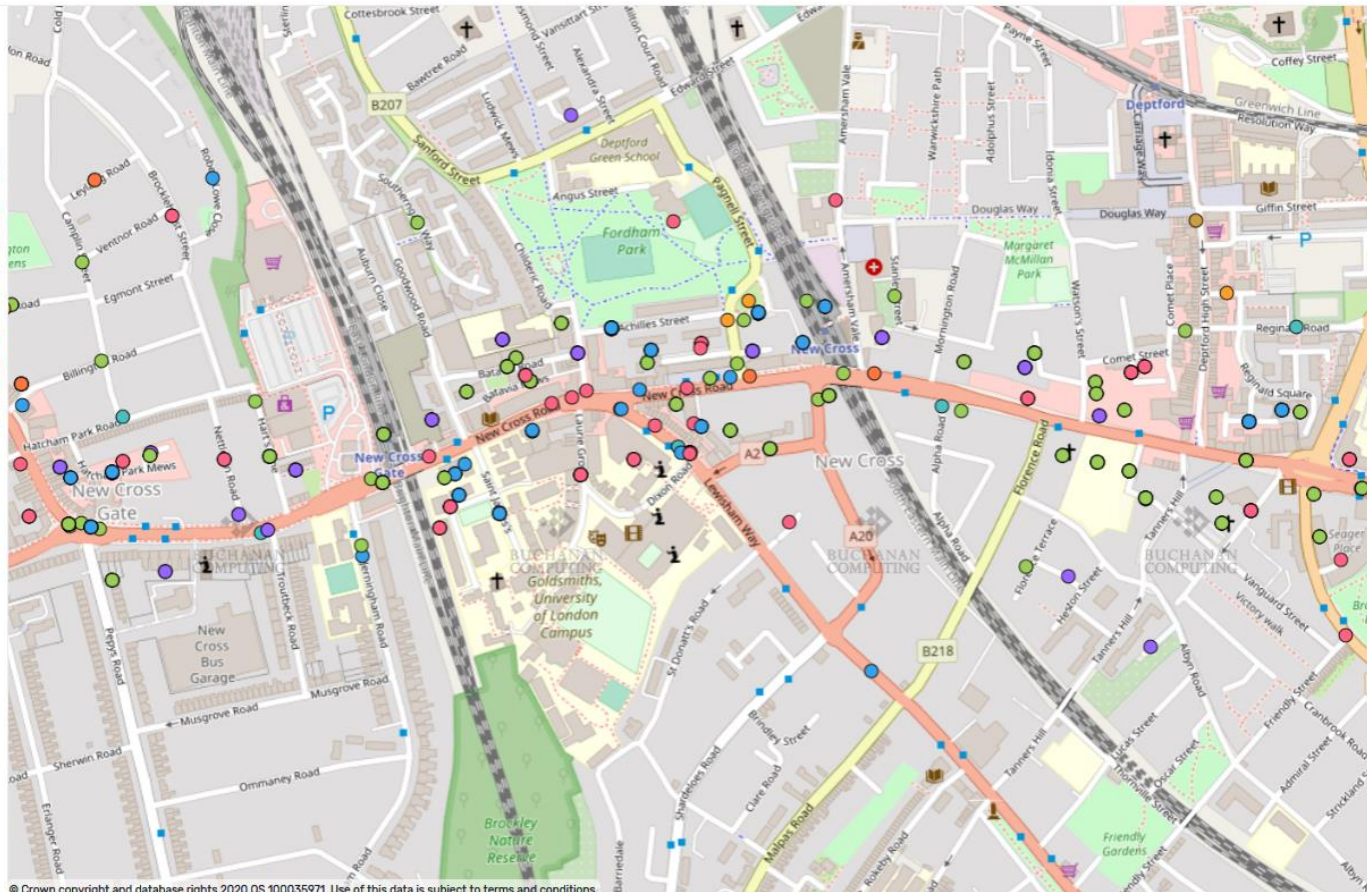
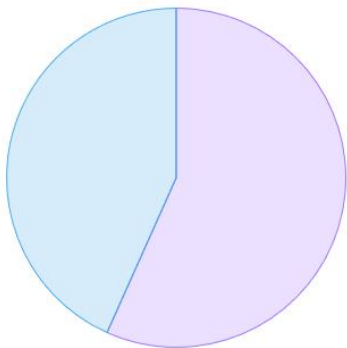
Scheme: All

- Issues
- Time of Day

- Air Pollution
- Road Safety and Crossings
- Congestion
- Quality of public realm
- Parking and Loading
- Bus
- Cycling
- Other
- Pedestrian provision



General comments VS located comments



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Design Consultation

Create alternative designs for the same area or location

1. Physical street element and layout design tool
2. LineMap digital tool:
 - As an office tool create new designs and road markings
 - During Local Workshops and Focus Groups to digitize new designs and road markings



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Physical Design Tool



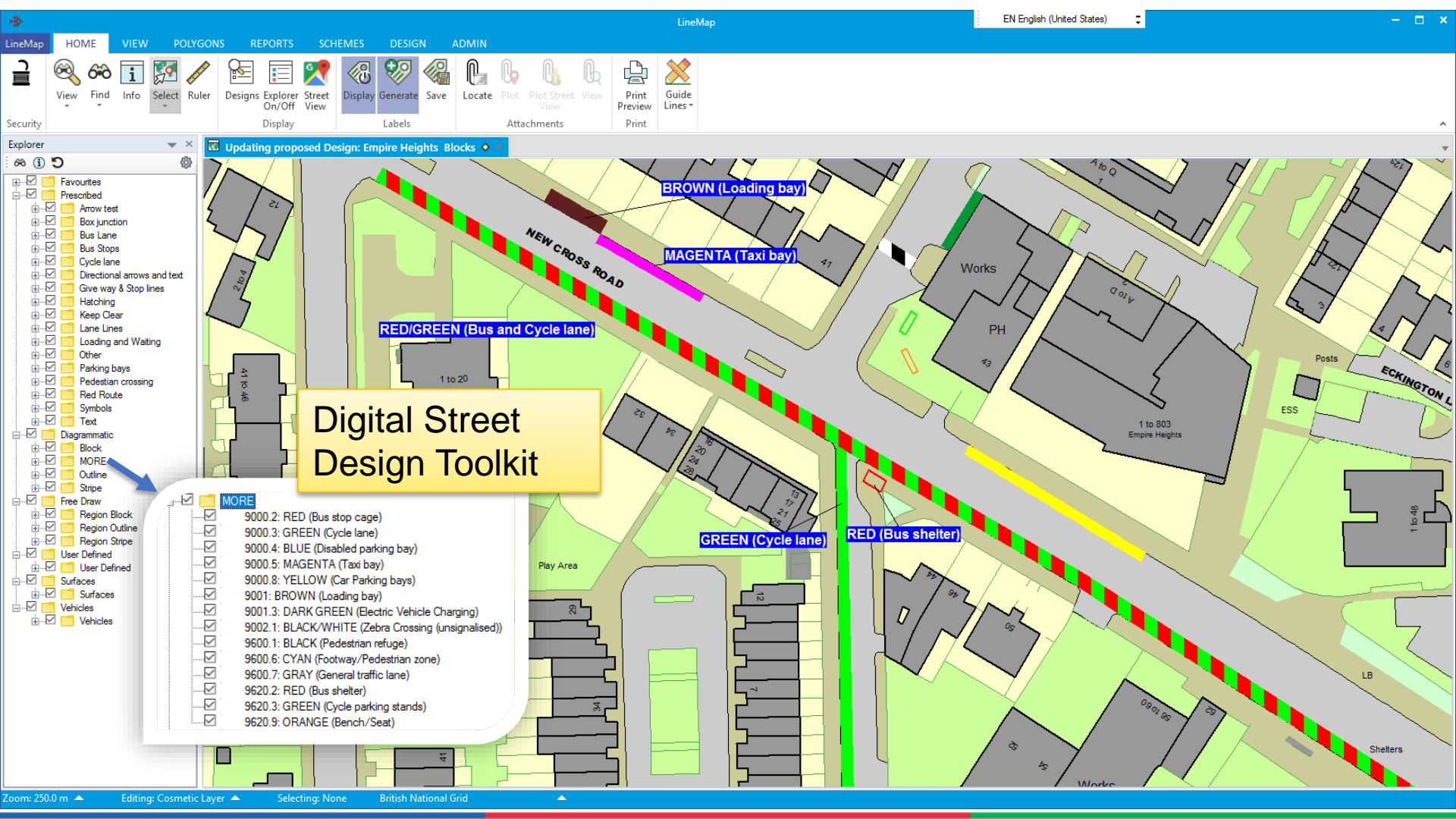
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LineMap: Digital Design Tool

- Colour coded blocks (matching the Street Design Toolkit)
- Road markings
- Change road use by time of day
- Export markings to VISSIM
- Publish to Traffweb for Design Consultation



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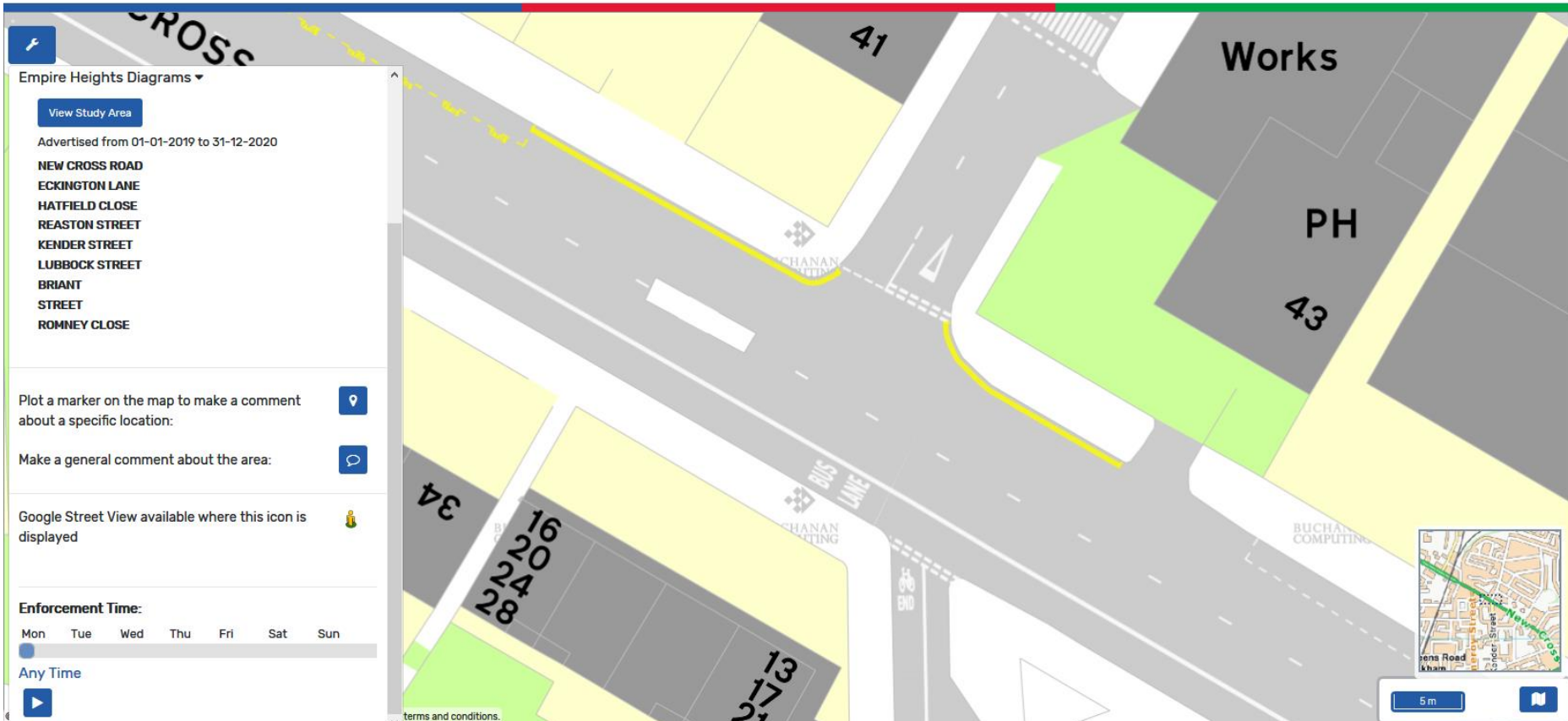


- Favourites
- Prescribed
 - Arrow test
 - Box junction
 - Bus Lane
 - Bus Stops
 - Cycle lane
 - Directional arrows and text
 - Give way & Stop lines
 - Hatching
 - Keep Clear
 - Lane Lines
 - Loading and Waiting
 - Other
 - Parking bays
 - Pedestian crossing
 - Red Route
 - Symbols
 - Text
- Diagrammatic
 - Block
 - MORE
 - Outline
 - Stripe
- Free Draw
 - Region Block
 - Region Outline
 - Region Stripe
- User Defined
 - User Defined
- Surfaces
 - Surfaces
- Vehicles
 - Vehicles

Digital Street Design Toolkit

- MORE
 - 9000.2: RED (Bus stop cage)
 - 9000.3: GREEN (Cycle lane)
 - 9000.4: BLUE (Disabled parking bay)
 - 9000.5: MAGENTA (Taxi bay)
 - 9000.8: YELLOW (Car Parking bays)
 - 9001: BROWN (Loading bay)
 - 9001.3: DARK GREEN (Electric Vehicle Charging)
 - 9002.1: BLACK/WHITE (Zebra Crossing (unsignalised))
 - 9600.1: BLACK (Pedestrian refuge)
 - 9600.6: CYAN (Footway/Pedestrian zone)
 - 9600.7: GRAY (General traffic lane)
 - 9620.2: RED (Bus shelter)
 - 9620.3: GREEN (Cycle parking stands)
 - 9620.9: ORANGE (Bench/Seat)

Designs in Traffweb can be displayed as Blocks or Road Markings




The screenshot displays the Traffweb interface. On the left, a sidebar contains the following elements:

- Empire Heights Diagrams** (dropdown menu)
- View Study Area** (button)
- Advertisement period: **Advertised from 01-01-2019 to 31-12-2020**
- Street list:
 - NEW CROSS ROAD
 - ECKINGTON LANE
 - HATFIELD CLOSE
 - REASTON STREET
 - KENDER STREET
 - LUBBOCK STREET
 - BRIANT STREET
 - ROMNEY CLOSE
- Plot a marker on the map to make a comment about a specific location:** (with location pin icon)
- Make a general comment about the area:** (with speech bubble icon)
- Google Street View available where this icon is displayed** (with Street View icon)
- Enforcement Time:** (with days of the week: Mon, Tue, Wed, Thu, Fri, Sat, Sun and a slider set to "Any Time")
- Any Time** (with play button icon)

The main map area shows a street layout with several road markings highlighted in yellow and green. A large green area is labeled "Works". A grey area is labeled "PH 43". A road is labeled "BUS LANE". Other street names visible include "NEW CROSS ROAD", "ECKINGTON LANE", "HATFIELD CLOSE", "REASTON STREET", "KENDER STREET", "LUBBOCK STREET", "BRIANT STREET", and "ROMNEY CLOSE". A small inset map in the bottom right corner shows the current location within a larger street network. A scale bar for 5m and a north arrow are also present in the bottom right corner.

Current Status of Tools

- Traffweb is currently available for all study cities and we are in the process of configuration and translation
- LineMap available from the Buchanan Cloud and can be accessed through your browser.



Thank you !

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