



Schedule of Carriageway Markings

| Line Type | Width of Lines (mm) | Length of Lines (mm) | Length of Gap (mm) | Description |
|-----------|---------------------|----------------------|--------------------|------------------------------------|
| 1001 | 200 | - | - | Stop Line |
| 1003.1 | 200 | 1000 | 1000 | Roundabout Give Way Lane Line |
| 1004 | 100 | 4000 | 2000 | Lane Line |
| 1004(150) | 150 | 4000 | 2000 | Lane Line |
| 1004.1 | 100 | 6000 | 3000 | Lane Line |
| 1010 | 100 | 1000 | 1000 | Edge of Carriageway |
| 1012.1 | 100 | - | - | Continuous Edge |
| 1040 | 150 | - | - | Hatching |
| 1041 | 100 | - | - | Hatching |
| 1043 | - | - | - | Chevron Hatch |
| 1016.1 | 100 | - | - | Yellow Box Marking |
| a | 100 | 100 | 2000 | Double Yellow Lines Junction Guide |

Symbol Markings

| Ref | Symbol preview | Description | Size |
|--------|----------------|-------------------------|--------|
| 1038L | | Left Arrow | 4000mm |
| 1038A | | Ahead | 4000mm |
| 1038R | | Right Arrow | 4000mm |
| 1038AR | | Ahead & Right Arrow | 4000mm |
| 1038AL | | Ahead & Left Arrow | 4000mm |
| 1038LR | | Left & Right Arrow | 4000mm |
| 1039R | | Right Bifurcation Arrow | 8000mm |
| 1039L | | Left Bifurcation Arrow | 8000mm |
| 1014 | | Get Over Arrow | 4000mm |

Text Inquiry

| Message | Height (m) | Letters per Msg |
|----------|------------|-----------------|
| A4232 | 1.6 | 5 |
| A4234 | 1.6 | 5 |
| BAY | 1.6 | 3 |
| CYDD | 1.6 | 5 |
| (GN) | 1.6 | 4 |
| (W) | 1.6 | 3 |
| C-DIFF | 1.6 | 6 |
| BAE | 1.6 | 3 |
| (DN) | 1.6 | 4 |
| (E) | 1.6 | 3 |
| NO ENTRY | 1.6 | 7 |
| DIM | 1.6 | 11 |
| MYNEDIAD | 1.6 | 11 |

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION
 The Contractor is to ensure that all precautions are in place during any aspect which includes working at height (Contractors risk assessment.) Refer to the 1300 & 1400 Series drawings for electrical supplies and for treatment of existing lighting equipment.
 Working adjacent to live carriageway.
 Presence of statutory undertakers apparatus

MAINTENANCE
 As above.

DEMOLITION
 As above.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

- Legend:**
- Traffic Sign (not to scale)
 - RS Regulatory Sign
 - RPS Rotapanel Rotating Panel Sign
 - ADS Advanced Direction Sign
 - TMP Temporary Sign
 - WS Warning Sign
 - IS Informatory Sign
 - White Uni-directional Road Stud
 - Green Uni-Directional Road Stud
 - TMP Tubular Hazard Marker Posts

- Notes**
- For sign face & erection details please refer to Drg EBL-CAP-1200-QGR-1257, EBL-CAP-1200-QGR 1259.
 - This drawing is to be read in conjunction with EBL-CAP-1200-QGR 1260 which details additional sign locations for the Queens Gate Roundabout works that cannot be shown on this drawing.
 - For lit sign electrical supplies please refer to the 1300 series drawings.
 - All dimensions are in millimeters.
 - The details shown are to be read in conjunction with Appendix 12/1
 - All traffic signs to be erected with a minimum lateral clearance of 600mm from face of kerb to sign plate edge, unless if otherwise stated in the traffic sign erection notes.
 - Foundation dimensions are for guidance only and shall be in accordance with the post manufacturers requirements.
 - The minimum cover to traffic sign foundations shall be 150mm. The surface above the foundations shall be top soiled and seeded or surfaced to conform to the surrounding surface treatment.
 - For illuminated traffic signs provision shall be made for cable entry through the foundation by way of a 75mm diameter duct position to suit direction of cable entry.
 - All sign locations are to be agreed on site prior to installation.
 - All traffic signs & road markings shall be in accordance with the Traffic Signs Regulations & General Directions 2016.
 - Road markings shall be of thermoplastic material and may be scribed or spray applied.
 - Road markings shall have a skid resistance level of not less than 55 srs as specified in BS EN 1436:2007 (Table 3 Class S3)
 - All road markings shall be reflectorised by the incorporation of solid glass beads within the mixture and the application of surface applied glass beads unless otherwise indicated.
 - All new road markings to tie into existing.
 - Existing markings affected by the proposals but not removed under surfacing operations shall be removed via Hydro Demolition.
 - Lining requirements related to the traffic signal design, all lines are to be laid in accordance with the Traffic Signs Manual, The Traffic Signs Regulations and General Directions 2016.
 - Pedestrian crossing studs should be 100mm² aluminium.
 - For site clearance of any existing traffic signs, posts etc refer to the 200 Series drawings.
 - For clarity the numbering system for the directional and rotating plank signs has been taken from the traffic sign strategy drawings.
 - TMP Tubular Hazard Markers: Posts are surface mounted @ 4.5m centres. Height to be 475mm. Orientation to take account of drivers on circulatory carriageway. (Orientation to be agreed with CCC representative)

Revisions

| Rev | Drawn | Checked | App'd | Description | Date |
|-----|-------|---------|-------|--|------------|
| C08 | MJ | DW | DW | 1 No Wind warning sign added to drawing and additional deflection arrow added to the A4232. | 13/09/2017 |
| C07 | MJ | DW | DW | Sign ref QGR 5-DS additional wicket sign and, Sign ref QGR 4-DS added to drawing TMP 3 removed from drawing. | 12/09/2017 |
| C06 | GM | DW | DW | Line markings at north west circulatory carriageway and hazard marker posts added. | 29/08/2017 |
| C05 | MJ | DW | DW | Sign Ref QGR 7-DS added to drawing. | 08/08/2017 |
| C04 | MJ | DW | DW | Hazard marker posts added to dedicated left turn island Double yellow lines added to Pier Head St. | 07/04/2017 |
| C03 | MJ | MB | DW | Sign ref QGR 4-DS deleted from scheme. | 21/03/2017 |
| C02 | MJ | MB | DW | Circulatory road markings revised, wicket sign added on main link road approach to Queens Gate Rd, prohibition of cycle lane and no entry signs added on A4232 exit from tunnels, in accordance with CCC comments. | 07/02/2017 |
| C01 | MJ | MB | DW | Bollards changed to LED lit units, road markings on segregated lane revised due to change in central island. | 04/01/2017 |
| C00 | MJ | MB | DW | First Issue. | 11/11/2016 |

Purpose of Issue (Suitability / Status)
A - Fit for Construction

Classification
Commercial in Confidence

Client
Welsh Government

Project
Eastern Bay Link

Drawing
Queens Gate Roundabout Traffic Signs and Road Markings

Scale @ A1
 1:500

Drawn MJ **Checked** MB **Approved** DW

Project No. CS079772 **Date** 18-AUG-2016

Drawing Identifier EBL-CAP-1200-QGR-DR-C-1251 **Revision** C08

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