The Details about Map

All the parameters come from research work and based on reasonable assumption, there may some details need to be certified, the website : <http://www.cbrd.co.uk/roadsfaq/> can help us. Other references are marked in the end of every page.

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| Items | | Size | Color | | | Description | |
| Name | R.G.B | Hexadecimal |
| Pixel | | 0.1 meter |  |  |  | This is calculated by the minimum speed we can simulate, which is 1 m/s. refresh frequency is 0.1 second. | |
| Driveway | | 3.8m wide[[1]](#footnote-1) | Grey | 190,190,190 | #BEBEBE |  | |
| Edge | | 0.3m | Black | 0,0,0 | #000000 | The edge has no standard document states it. I think 0.3m is enough. | |
| mid-line | | 0.3m | White | 255,255,255 | #FFFFFF | There should be some standard but I didn’t find it | |
| Traffic light | Red |  | Red | 255,0,0 | #FF0000 |  | Size of traffic light can be different from the real world.  Only one lamp is easy for us. |
| Yellow |  | Yellow | 255,255,0 | #FFFF00 |  |
| Green |  | Green | 0,255,0 | #00FF00 |  |
| Vehicle | Car |  | Blue | 0,0,255 | #0000FF |  | General max width is 2.5m, some special refrigerated vehicle in which case 2.55.[[2]](#footnote-2)  The cars should stop immediately or keep space for emergency vehicles. (there is enough space when vehicles stop on their sides, 2.55\*3=7.65 almost equals to 3.8\*2=7.6). |
| Bus |  | Orange | 255,165,0 | #FFA500 |  |
| Emergency |  | Red | 255,0,0 | #FF0000 |  |
| Circle sign | |  | Purple | 160,32,240 | #A020F0 | Used to mark the vehicle will enter a circle road | |
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1. The vehicle run in the mid of lane in general and stop on the side when emergency vehicles want to pass.
2. The traffic light’s location related to the road should be decided.

1. *Narrow Lane and Tidal Flow Operations at Road Works on Motorways and Dual Carriageway Trunk Roads with Full Width Hard Shoulders,* THE HIGHWAYS AGENCY of UNITE KINGDOM [↑](#footnote-ref-1)
2. http://mobile.pistonheads.com/gassing/topic.asp?h=0&f=10&t=901973&mid=0 [↑](#footnote-ref-2)