

## OXFORDSHIRE COUNTY COUNCIL REAL TIME INFORMATION SPECIFICATIONS

To meet the Authority's specification for Real Time Information, shelter suppliers must ensure that:

- The shelter has a power junction box with a double pole isolator (Charles Endirect Ltd - reference CEL2003 L2/SE/A1 is recommended), to allow ACIS engineers to isolate the sign and thus to identify the cause of any power problem. Protection for the RTI sign will be provided through a main RCBO/6 amp fuse in an adjacent haldo pillar or nearby lamp column.
- A power supply cable is attached linking the power junction box to the sign attachment point with at least 2 meters of spare armoured power cable at the sign attachment point to permit the installation of real-time displays.
- When fitting the bracket and display within the shelter there is to be, a 5cm to 20cm gap at the rear of the display cabinet to allow engineer's access to the diagnostics ports for future maintenance.
- The shelter MUST have sufficient height clearance with the display installed (full details of the dimensions of the existing RTI 3-line LED displays must be obtained from The Authority's Real Time Information Contractor, and are, for the avoidance of doubt, and at the time of preparation of this tender as follows:

Manufacturer: Densitron Ferrograph  
Technology: Ultrabright LED.  
Display format: 3 line text display with 30 characters each, 30 mm high characters.  
Viewing distance: 15 metres.  
Viewing angle: 140° horizontal 70° vertical  
Display area: 822 x 150 mm.  
Pixel type: Round 3mm LED on 4.5mm pitch.  
LED type: Ultrabright yellow on black background.  
Housing: Stainless steel (non-corroding) construction with hinged front access..  
Mounting: 2 off M10 stainless steel bolts, nuts and fibre washer.  
Protection: IP65 (BS5490/EEC Standard 529)  
Display screen: 6mm Polycarbonate with anti-reflective surface and scratch resist coating.  
Overall dimensions: 1000mm wide x 220mm high x 200mm deep.  
Weight: 36 kg  
Radio Comms: PMR, including RTIG cleardown.  
External antenna  
Power requirements: 230V AC. 100W (typical) power consumption, 300W max.  
MTBF: 50,000 hours  
Operating temperature: Ambient -10°C to + 40°C.  
Humidity: 10-90% non-condensing.  
EMC: The display will meet all relevant EEC legislation at the time of manufacture and is CE marked.

- Normally a minimum of 2.1m height clearance is used, but 2.4m may be appropriate if there is any likelihood of a cyclist passing through the shelter
- The shelter MUST have a suitable bracket/housing to mount the display/screen, including the weight of the display
- The shelter MUST have a suitable location and mounting for an vandal-proof, low profile aerial, including a ground plane is needed due to the

design (The Authority's Real-Time Information Contractor can provide more details if needed)

- When all works are complete an installation completion/commissioning sheet is completed for each site. Along with the NIC Electric Certificate.