



the obvious choice

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Lighting Column Testing

Now

With Geographic Positioning (GPS)

CMT's Structural Investigation Division offer effective proven on-site inspection and testing services to the street lighting industry that cover all areas identified in the TR22 Third Edition 2007, as being at risk. Testing is routinely confined to zones of high stress that coincide with areas at greatest risk of corrosion although all other elements can be included if required.

The unique Relative Loss of Section™ systems were developed specifically to locate and quantify corrosion of steel columns that cannot be identified by visual inspection. i.e. Internal and external surfaces of the buried section of the root, and internal corrosion of the base and hot swaged joint.

The RLS technique is a dry coupled system that will provide a cost efficient assessment of the column. The results obtained estimate the percentage loss of section allowing the columns to be classified (1 to 5) for either replacement or retesting at a scheduled interval. An electronic reporting procedure enables test results to be downloaded directly into the client's inventory.

We are continually striving to provide the very best service to our clients and now provide geographic positioning as well as condition surveys.

Our Technicians are equipped with 'Trimble' compact field computers that integrate a rich array of functionality, including photo capture and high-yield OS positioning using GPS. Whilst a photo provides accurate detailed documentation of the condition of the column, the location is recorded via the integrated GPS receiver.

Data is transferred to desktop computer and processed for exporting in the required report format via Fastmap workflow software.

Added to that.....

In addition to lighting columns we are now able to assist with the management of many more assets that require accurate positioning data such as street furniture, boundary walls and trees etc.

Our services include...

- Detailed structural inspection (concrete and steel)
- Loss of section monitoring
- Hot swaged joint assessment
- Ultrasonic testing
- Magnetic particle inspection
- Load testing of flange plate bolts
- Half-cell potential
- Photo capture and OS positioning using GPS
- Assistance with management of other assets



We are UKAS accredited for the use of the RLS™ system and currently the only organisation accredited for structural testing of steel lighting columns. CMT is also a HERS registered organisation Registration Number SSR482



Still leading the field

