

# **Report of the Strategic Director, Regeneration and Culture to the meeting of Bradford South Area Committee on 27<sup>th</sup> November 2014**

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**Subject: Street Lighting Column Replacement Programme**

**Summary statement: This report seeks to advise the Area Committee regarding the replacement of street lighting columns determined as non compliant and the subsequent recommendations as to how the West Yorkshire Local Transport Plan Funding allocation is most effectively utilised.**

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**Portfolio:  
Environment and Sustainability**

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**Overview and Scrutiny Area:  
Environment and Waste Management**



## **1.0 SUMMARY**

- 1.1 This report seeks to inform the Area Committee of the requirement to replace street lighting columns that have been identified as non-compliant. That is, they are in need of urgent replacement due their age and condition based upon the findings of inspections carried out during the planned maintenance regime and reactive maintenance visits.

## **2.0 BACKGROUND**

- 2.1 Since 2006 there has been a structured programme of planned maintenance replacing the lamps in all street lighting units over a rolling four year rolling period (Bulk Change and Clean Programme), reducing the number of reactive maintenance faults from approximately 12,000 to 7,000 per annum.
- 2.2 An essential part of this programme is to carry out visual inspection of each column, which provides valuable information as to the condition of the unit, specifically the structural integrity of the column.
- 2.3 Many of these columns were installed around 1974 and although a programme of external painting has prevented the columns from corroding on the outside the inside remains unprotected, and is therefore vulnerable.
- 2.4 There are also a significant number of concrete columns that are in excess of 30 years old which are prone to cracking as a result of corrosion to the steel reinforcing bars inside the columns which also require replacement when identified as non compliant.

## **3.0 OTHER CONSIDERATIONS**

- 3.1 When replacing life expired columns the most effective means is to replace on a scheme basis therefore not only replacing the columns but also improving the lighting to modern standards.
- 3.2 All new lighting installed as part of the column replacement programme is now energy efficient LED lighting saving between 25% and 50% based on the energy consumption of the previous equipment, the new units can also be set to reduce the lighting levels outside peak periods

## **4.0 FINANCIAL AND RESOURCE APPRAISAL**

- 4.1 The funding for the Priority 1 schemes in Appendix 1 is estimated as £98,913 which is allocated to the Bradford South Area Committee.
- 4.2 The total West Yorkshire Local Transport Plan budget allocated to the Council by the Department for Transport is £600,000. This has been split between the Area Committees to deal with the Priority 1 column replacement schemes based upon the value of the estimates.

## **5.0 RISK MANAGEMENT AND GOVERNANCE ISSUES**

5.1 There are no risk management and governance issues

## **6.0 LEGAL APPRAISAL**

6.1 The Council has a power under Section 97 of the Highways Act 1980 to provide and maintain street lighting columns.

## **7.0 OTHER IMPLICATIONS**

When lighting is replaced as a whole street or scheme there may be some columns that have been previously replaced as a result of accident damage or maintenance replacements, these columns are either designed around wherever possible for retaining in situ or carefully removed for re-use for reactive maintenance.

### **7.1 EQUAL AND DIVERSITY**

7.1.1 There are no equal rights implications at this time

### **7.2 SUSTAINABILITY IMPLICATIONS**

7.2.1 Galvanised steel street lighting columns are recyclable when replaced on reaching the end of their design life which is likely to be in excess of 50 years, modern lanterns are constructed so that over 90% of the materials can also be recycled.

### **7.3 GREENHOUSE GAS EMISSIONS IMPACTS**

Modern street lighting equipment is considerably more energy efficient than older apparatus, and when using dimming and white light can significantly reduce the energy consumption and CO<sup>2</sup> emissions.

### **7.4 COMMUNITY SAFETY IMPLCATIONS**

7.4.1 Street lighting is a highly visible front line service. Good street lighting provides a vital function during the hours of darkness, protecting people and property and enhancing the night-time environment. Effective street lighting deters criminal activity and reduces road accidents.

### **7.5 HUMAN RIGHTS ACT**

7.5.1 There are no direct Human Rights implications arising from the recommendations below.

### **7.6 TRADE UNION**

7.6.1 There are no Trade Union implications in this item

## **7.7 WARD IMPLICATIONS**

- 7.7.1 Schemes in Appendix 1 are within Wyke, Wibsey and Tong Wards.  
Schemes in Appendix 2 are within Wibsey and Wyke Wards.

## **8 NOT FOR PUBLICATION DOCUMENTS**

- 8.1 There is no restriction on the publication of this report.

## **9.0 OPTIONS**

- 9.1 Members are asked to consider implementing the schemes listed in Table 1 of Appendix 1 which are prioritised with Priority 1 (being the schemes requiring the most urgent replacement as identified by site surveys). Designs and detailed estimates have been prepared for these schemes.
- 9.2 Members may choose to implement column replacement schemes from Table 2 in Appendix 1, budget estimates have been prepared for these schemes. However, it may be necessary to remove any non compliant columns for safety reasons should they not be replaced in this financial year

## **10.0 RECOMMENDATIONS**

- 10.1 That the Priority 1 street lighting column replacement schemes listed in Table 1 of Appendix 1 of the report be implemented.

## **11.0 APPENDICES**

- 11.1 Appendix 1 – Column Replacement Schemes for Area Committee consideration

## **12.0 BACKGROUND DOCUMENTS**

None.

**Appendix 1 Column Replacement Schemes for Area Committee consideration**

**Table 1 - Priority 1 Schemes**

<b>Ward</b>	<b>Priority</b>	<b>Location</b>	<b>Estimate</b>
Wyke	1	Wyke Lane	£ 9,150.00
Wibsey	1	Wibsey Park Avenue	£39,546.00
Tong	1	Wharfedale Road	£34,938.00
Tong	1	Merrydale road	£15,279.00
			£98,913.00

**Table 2 - Other Schemes**

<b>Ward</b>	<b>Priority</b>	<b>Location</b>	<b>Estimate</b>
Wibsey	2	Mayo Avenue - Cols 23 to 34	£24,300.00
Wyke	2	Brighthouse Road Low Moor	£21,000.00
Wyke	2	Netherlands Avenue	£39,900.00
			£85,200.00