

RESULTS OF THE SURVEY ON CAR PARK LIGHTING

1 SUMMARY

- 1.1 This report provides Members with an update on the survey of lighting levels at all the Council 's car parks. The survey is not yet complete and requires some design input to determine the actual costs of bring all the car parks up to a satisfactory standard.

2 INTRODUCTION

- 2.1 At the meeting of the Transportation and Environmental Services Committee on 21 September 2000, it was agreed that a survey of lighting levels be carried out at all the Council car parks. (Min.279(3) refers).
- 2.2 A survey was commissioned to be carried out by David Webster, the Street lighting contractor to Essex County Council.

3 SURVEY UPDATE

- 3.1 The following paragraphs are the Draft Notes of the Lighting assessment carried out on Tuesday 6 February 2001, as provided by the contractor. These relate to fee paying car parks only. Additional information relating to night time use is also included.

3.1.1 Back Lane, Rochford.

The existing lighting in this car park is generally of a reasonable standard with only a couple of small areas that may benefit from an additional column.

All except one of the lanterns is High Pressure Sodium and this is in keeping with providing good colour rendering and visual recognition.

However, calculations may show that the existing lighting does not meet the requirements of BS5489 Part 9 and some additional lighting may be required.

This car park is used in the evenings and therefore improved lighting will contribute to safer use and remove the fear of crime.

3.1.3 Southend Road, Hockley.

The existing lighting currently uses Low Pressure Sodium lanterns which are not really suitable for this type of lighting environment. A couple of the existing columns could benefit from having the bracket arms turned to make better use of the light produced.

Additional columns may be required in certain areas of the car park, particularly the entrance/exist road which currently has no lighting.

A detailed design would be required to show quantities and locations of additional columns/lanterns.

This car park is substantially only used during the hours of pay and display and there is little parking at night. However during winter months in particular, improved lighting would be beneficial during pay and display hours.

3.1.4 Market Car Park, Rayleigh.

The lighting in the first part of the car park is reasonable but to the left behind the buildings is very dark with virtually no lighting at all.

A detailed design would be required to show quantities and locations of additional columns/lanterns.

This car park is used at night for both the Civic Suite and for leisure use and therefore additional lighting would benefit this car park.

3.1.5 Civic Suite, Rayleigh.

Other than a security light mounted on the rear of the Civic Suite there is no lighting in this car park.

A detailed design would be required to show quantities and locations of additional columns/lanterns.

This car park is well used at night and would therefore benefit from the additional lighting.

3.1.6 Bellingham Lane, Rayleigh.

Generally the lighting in this car park is quite good but design checks may show that it does not meet BS5489 Part 9.

There are a couple of darker areas that could benefit from an additional column.

A detailed design would be required to show quantities and locations of additional columns/lanterns.

This car park will supplement the new parking provision to be provided at Mill Hall and therefore improving the lighting here would have positive benefits.

3.1.7 The Approach, Rayleigh.

The existing lighting on the railway side of this car park appears to have been recently upgraded to High Pressure Sodium and provides quite good lighting on this side of the car park.

However there does appear to be quite a drop off towards the road side of the car park.

Some design calculations would determine the levels being achieved and what would be required to bring the whole area up to a satisfactory standard.

This car park is used of a night and therefore additional lighting would be of benefit.

3.1.8 Websters Way and Castle Road car parks will be surveyed in the week commencing 26 February.

3.2 The survey does not include the new car park at Mill Hall as the new car parking scheme has been designed to meet the current standards.

4. OTHER CAR PARKS

4.1 Pooles Lane, Hullbridge

Pooles Lane is managed by Hullbridge Parish Council and the lighting there was upgraded in November 2000.

4.2 Freight House, Rochford.

There is very little lighting in this car park with only one small floodlight mounted on a 3 metre post adjacent to each set of steps down to the building.

There is also minimal contribution from the lamp posts in the adjacent Railway Station car park but these should not be relied upon.

What lighting there is at this location falls well short of the BS5489 requirements and a scheme of lighting would need to be designed and installed to provide levels of lighting suitable for the night time usage.

This is a very busy car park and is used for staff parking during the day and by the users of Freight House, both during the day time and at night. This car park would benefit from the installation of lighting.

4.3 Clements Hall / Great Wakering / Park School

These car parks have not been included in this survey. There is existing lighting and additional works at these locations would need to be considered as part of the new leisure contract.

These car parks are used during the day and at night and would benefit from additional lighting.

5 CRIME AND DISORDER IMPLICATIONS

- 5.1 Improved lighting will help to reduce the opportunities for crime in the Council run car parks. Improved lighting will also help reduce the fear of crime.

6 RESOURCE IMPLICATIONS

- 6.1 Budget estimates for all of these car parks are based on a unit cost per column of between £1000 and £1500 dependent on the length of the service to the new column and whether a new service has to be provided and are as follows:

Car Park	Additional Lighting	Estimate Low £	Estimate High £
Back Lane	1 column	1,000	1,500
Southend Road Hockley	2 columns	2,000	3,000
Market Car Park Rayleigh	2 columns	2,000	3,000
Civic Suite Rayleigh	3 floodlights	1,500	2,500
Bellingham Lane	1 column	1,000	1,500
The Approach Rayleigh	3 columns	3,000	4,500
Websters Way (estimate)	4 columns	4,000	6,000
Castle Road (estimate)	5 columns	5,000	7,500
TOTAL		19,500	29,500
Freight House	5 columns		7,500

- 6.2 As shown from the table above, it is likely that all of the pay and display car parks can have improved lighting within the budget allocated
- 6.3 A sum of £30,000 has been set aside for this work as part of the Capital Programme.

7 RECOMMENDATION

It is proposed that Council **RESOLVES**

- 1). To agree to progress the improved lighting to the pay and display car parks as indicated within the allocated budget.
- 2). That any savings that are made within the allocated budget be used to provide lighting at the Freight House.

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Background Papers:

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