

Report of the Deputy Chief Executive

KIMBERLEY DEPOT GARAGE DOORS AND FLOOD PREVENTION1. Purpose of report

To recommend that capital funding be allocated to replace the garage and store doors at Kimberley Depot, along with measures to help reduce the risk of flooding to the garage.

2. Background – garage doors

The depot garage and stores areas were built circa 1970's and are secured with five individual metal concertina manually-operated doors. Over the years the doors have worn to an extent that prevents them closing securely. They are also very difficult to manually operate due to the sheer size and condition therefore posing a manual handling risk.

The doors currently give no protection to potential flood damage, and are also subject to a vast amount of heat loss due to the effort required in opening and closing them several times during the working day. They are illustrated in appendix 1.

The fitting of electrically operated roller shutter doors will assist in reducing the ergonomic effort required to operate them, will contain the residual heat more effectively so should reduce gas consumption and also assist with flood prevention due to their design. The estimated cost of new roller doors is £18,000 (£12,000 for the garages and £6,000 for the stores).

3. Background - flooding

Details of the flooding issues over the years at Kimberley Depot are given in appendix 2. The current flood prevention plan involves the placing of sandbags to help prevent flows of water into the garages and stores. This is best achieved in daylight with multiple-operatives and plenty of warning. However, pluvial flooding can, of course, occur at short notice, in the dark and with limited operative availability.

It is therefore proposed to purchase some light-weight plastic flood barriers, sufficient to protect the garage, of which an example is illustrated in appendix 2. These are easily handled and assembled by one person, can be used multiple times and interlock to provide a better barrier than sandbags. The estimated cost is £7,000, including some levelling of tarmac / concrete aprons to ensure maximum continuity (hence minimum leakage) between the barriers and the surface they are placed on.

5. Financial implications

The estimated cost of the replacement garage and store doors and measures to reduce flooding is £25,000 and this is likely to be funded by borrowing. Final capital financing will be determined at the end of the financial year.

Recommendation

The Committee is asked to RESOLVE that the addition to the 2021/22 capital programme as set out above be approved.

Background papers - Nil

Kimberley Depot garage doors



APPENDIX 2

Flooding at Kimberley Depot

Flooding is the most common and widespread natural disaster in the UK and since 1998 there has been at least one serious flood in the UK every year.

At Kimberley Depot serious damage has been caused on 5 occasions since 2000 by localised pluvial flooding which is defined as surface water flooding which occurs when the local drainage system is overwhelmed

The geographical location of the Depot situated at a low elevation in the Kimberley area at the confluence of three steep roads; these being Nine Corners, High Street and Eastwood Road resulting in an increase in serious flooding events.

Flooding at the Depot arises when surface water run off enters the site from Eastwood Road causing damage to the Joinery and Transport workshops and the Stores facility. The table shows details of flood events since 2013 with costs of the repairing damage

Date	Damage Repair Costs
Jul-13	£47,338
Jun-14	£1,117
Aug-14	£920
Sep-20	£18,276
Total	£67,651

Following the floods in 2013 action was taken to mitigate flooding. At that time funding was available from DEFRA for businesses to take action to prevent flooding and work was undertaken involving a site assessment and the installation of a raised tarmacked bund for deflecting flood water at a cost of £10k.

With respect to the frequency of flooding experienced at Kimberley Depot the guidance in the Nottinghamshire Flood Risk Management Strategy identifies that Kimberley Depot, based on the flooding events from the year 2000, is likely to experience 25 flood events over a 100-year period (averages out at one in four year).



Proposed flood barrier