

**Executive Member for Transport & Planning
Decision Session**

12 April 2018

Report of the Director of Economy & Place

Highway Maintenance Delivery Report for 2017/2018

Summary

1. This report provides a review of the service performance delivered in highway maintenance over the last year. The report examines the programmes of work through to completion undertaken in the financial year 2017/2018.

Recommendations

2. The Executive Member for Transport & Planning is asked to note the work undertaken in the last year.

Background

3. The highway maintenance service covers a wide range of activities. It is delivered by a number of in-house teams, working in conjunction with external service providers. The Highway Maintenance Service teams are responsible for the maintenance and repairs of the highway assets.
4. We provide advice and support to across the council on proposed works including the adoption of highway as well as the construction works by others on the highway and play a strategic role in making sure it is to the highest of standards and includes whole life costs.
5. The asset team this year has delivered the forward programme for both carriageway and footway schemes utilising high definition images of the highway and subsequent site investigations. We have also expanded the volume of skid resistance surveys to cover the entire classified network on all lanes in both directions having previously surveyed 50% in one direction.

6. From the survey data we also returned the annual valuation of all highways and assets complying with the requirements of Whole Government Accounting including calculating depreciation and replacement costs.
7. We have been involved in a number of groups across the region to align our policies and procedure to the new code of practice for highways and its risk based approach. We are progressing the annual Self Assessment Questionnaire for Incentive Funding raising the authority from a level 2 to a level 3 allowing the authority to retain its full capital funding allocation.

Resurfacing and Reconstruction Works

8. The team have designed and delivered 35 resurfacing schemes and designed and supervised the LTP works on site at
 - Clarence Street Resurfacing
 - Usher Lane Resurfacing
 - Moorlands Road Resurfacing
 - A19 Crockey Hill Phase 2 Resurfacing
 - Scarcroft Road Resurfacing
 - Heworth Road Resurfacing
9. This equates to a total area 48,322 square metres of the maintenance carriageways resurfaced. We have also surface dressed 65000 square metres as well as 32,867 metre squared of footway schemes. In doing this we have also:
 - Changed 246 dished gullies to new design
 - Adjusted 316 road gullies
 - Replaced 79 manhole and sewer covers
 - Rebuilt 49 metres of footway drains
 - Replaced 269 metres of full height kerbs
 - Installed 92 metres of dropped kerbs changed

Basic Maintenance and reactive Inspection

10. In addition to the large scale works the teams have undertake over nine thousand small scale repairs, these have been allocated with 520 to the Blacksmiths, 1282 to Drainage Team, 2687 to the stone masons and 4558 to the tarmac surfacing teams.

11. These works identified above are raised by the highways inspectors, and repaired by the highways maintenance teams. These highways inspectors have undertaken 4175 reactive inspections.

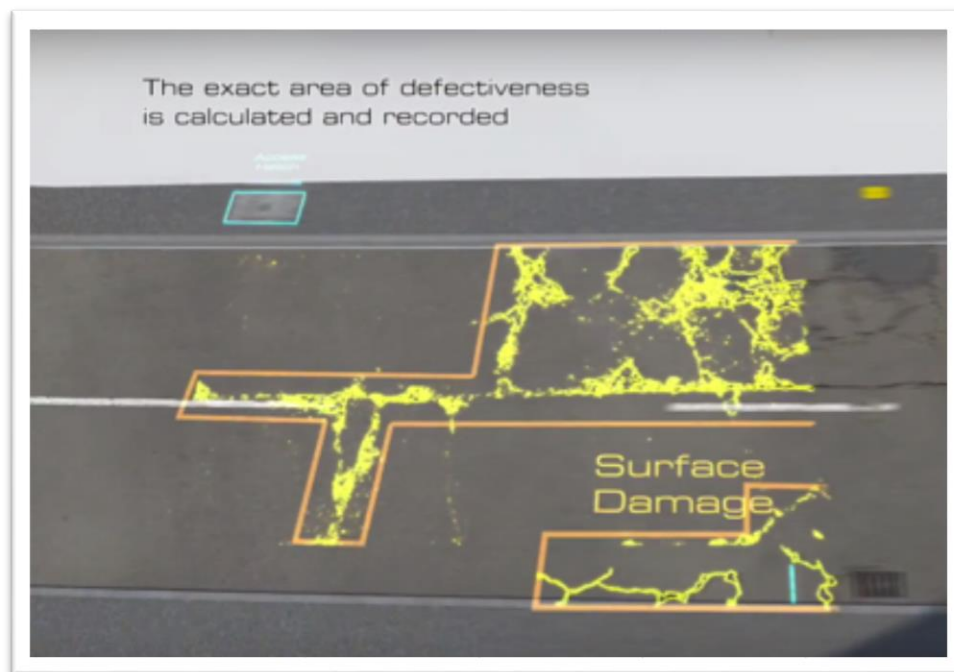
Street Lighting

12. Part of our programme is replacing the lamp heads with new more energy efficient LED lanterns, this year we have replaced 1230 of these.
13. In this financial year we have structurally tested 8402 tubular steel columns tested and 4400 concrete columns inspected. As a result of these twelve thousand tests and inspections we have replaced 1080 columns, with the programme continuing in the new financial year.
14. In addition to the above we have replaced 1851 columns as part of our ongoing maintenance.
15. We have updated the data for 22,000 street lighting assets in the last 14 months. This has identified 2000 additional street lighting assets to be maintained.
16. In addition to the replacement columns we have undertaken 2650 repairs to street lighting.
17. Within the historic core of York several key projects have been undertaken
 - At Queens Footpath we have upgraded the lighting to LED ornate lanterns and an additional column to light the whole length of footway.
 - A lighting scheme has been delivered in the Shambles in conjunction with property management and YORK BID who contributed funding. Ornate LED colour temperature lighting in keeping with the historic nature of the street has been installed on ornate brackets.
 - At St Saviourgate the team have implemented a scheme to fit with the historic surroundings and light St Saviourgate to an appropriate standard.

- Avenue Terrace, Fountayne Street, and Lansdowne terrace: all new street lighting schemes implemented.

Pot Hole Spotter

18. The Department for Transport announced on Friday 13 January 2017 a trial with Thurrock, Wiltshire and York Councils to work with private sector partners to use high definition cameras on refuse collection vehicles and on buses, and cycles within York. This trial is ongoing to develop the way we capture road conditions. The image below shows the information that is captured.



Winter Maintenance

19. The designated network for precautionary gritting has been treated on 108 occasions compared to an annual average of 75. The designated footways have been treated on 27 occasions and cycle ways on 5 occasions. The Winter Maintenance Control Group was convened, but no action was required. We have used 5777 tonnes of salt this year. The lowest temperature reached this season -5.9 in January 2018.

Gritting Runs	November	December	January	February	March
	17	26	16	30	19
108					

Drainage

20. The Council has identified 43,159 gullies and as part of its annual rolling programme has cleaned 83% with further work planned for this year. Over the last two years, we've been targeting gully cleaning in terraced streets which require parking suspensions. The suspensions also allow us to carry out other repairs, such as line marking renewal and road reinstatements. We've also been carrying out a gully remedial work programme (breaking out traps) to resolve blockages.
21. The drainage team has cleaned and tested all the gullies on the Highway Resurfacing Programme (renewing gully tops and undertaking repairs where necessary), as well as providing drainage advice, design and supervision for a number of Major Projects such as Germany Beck, York Outer Ring Road, A19 Crockey Hill, York Community Stadium.
22. Since April 2015, we've been logging all cleaning and manhole survey data onto our database. This has allowed us to identify cleaning schedules, problem flooding areas and locations requiring dig-down excavations.
23. The work has started to improve our data by overlaying properties that flood with additional data sets such as blocked gulley's will improve our knowledge and identify future priorities.

Ancient Monuments

24. In addition to the typical highway team works the team has also got the skills to undertake more specialist works some of the highlights are:
 - Red Tower: To facilitate a community project we have completed domestic service connections for electricity; water; telecom; sewer. Then Landscaped walled garden area and installed access ramp

- Museum Street Bus Stop: created the foundations to facilitate the new shelter and undertook the necessary masonry work to complete the project
- Micklegate Bar: A major renovation of the roof involving removal of existing roof; carry out repairs to timber roof frame; supply and fit supporting masonry. Full insulation of the roof area and reconstruction of the stone tile roof. In addition remedial repairs carried out to masonry structure on all faces of the bar and then cleaned all faces of the structure and installed of a crack monitoring device.
- Monk Bar Steps: Completed the first phase which includes repairs to outer face of the wall facing the courtyard. Take down and rebuilt failed section of the wall.
- Blue Bridge: A refurbishment of the bridge included replacing decking timbers, whilst these works were undertaken repairs were made to the structure and footway approaches.

Consultation

25. This is an update on the year so far, overall consultation has not taken place, but where appropriate consultation is undertaken. Some works are not appropriate for consultation as the works need to be on a prioritised basis.

Council Plan

26. An improved and safe highway network supports a prosperous city for all through safer communities for residents, businesses and visitors.

Implications

27. **Financial** – This report is an update on the work undertaken so far, the funding is combination of capital and revenue.

Risk Management

28. Each project has its own risk assessment process appropriate to the scale of the works. The services have embraced the new working practices to ensure the guidance within the updated Well Managed

Highways Infrastructure code of practice (The Code) is adopted the principle of which is a risk based approach. This is something the council had already embraced.

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Report **Date**
Approved

Wards Affected: List wards or tick box to indicate all

All

For further information please contact the author of the report

Background Papers: None

