

Introduction

In October 2018, the Chancellor announced in the Budget the Government was allocating £420 million of new money for local highways maintenance for the repair of roads (including potholes), bridges and local highways infrastructure generally.

Bristol was awarded , £1.725m in January 2019 which had to be spent by March 2019 , and delivered the following projects.

£250k pre patching for 2019/20 preventative maintenance programmes.

The work is essential preparation ahead of next year's carriageway preventative maintenance Programme. They are priority sites selected from the Highways Carriageway Rolling Programme.



£121k Scotland Lane

Assist with the delivery of the Scotland Lane highway flooding prevention project.

To remove the flooding problem we constructed a pumping station near to the area that floods to pump the flows away to a local stream. This required the construction of 330m of gravity pipe, 170m of rising main, the pumping station and associated control equipment, further gullies in the area of the low spot and a collector pipe (oversized to allow for extra storage) to convey flows from the gullies to the pump chamber. The provision of a new power supply to the pumping station was also required.





£340K carriageway patching and structural repairs to network.

Following a full survey of the network using high definition photography we identified areas of structurally defective carriageway and prioritised repairs, thereby improving the ride quality for all road users and reducing future revenue pressures.

Road Name: Throgmorton Road-Knowle-BS4

Value: £37727.94

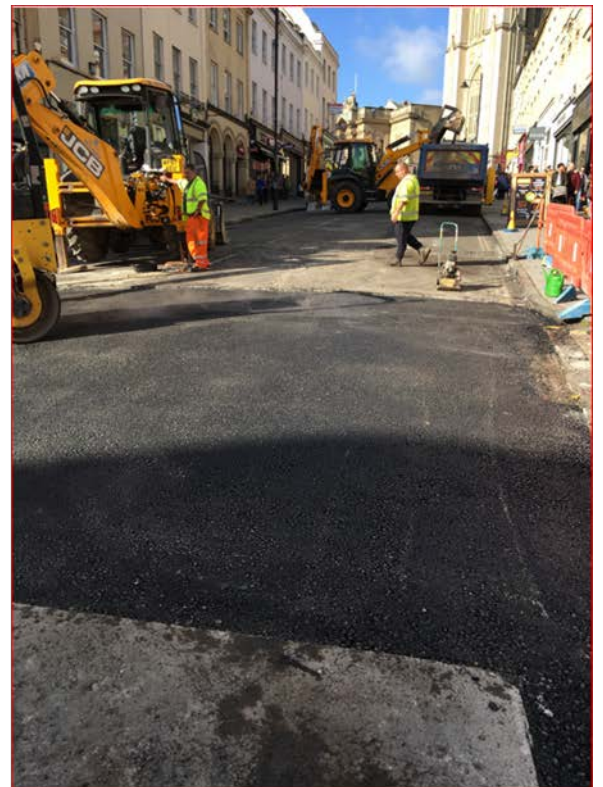
There was noted depression and breaking up of a concrete section on this road. The work involved excavating between 300-400mm in depth to establish the condition of the sub-base. This was found to be too water logged and a further 200mm was excavated from the site. The reinstatement involved 200mm Class 2 material, Type 1, rebar and concrete. The curing period for the concrete was a minimum of 72 hours.



Road Name: Park Street-City Centre-BS1

Value: £24590.78

Heavy rutting and structural failure that presented a risk to cyclists.



Road Name: Maggs Lane-Speedwell-BS5

Value: £18,040.67 S

Two sections of heavily degraded and structurally unsound carriageway which was potholing on a regular basis. Although not a major route, the road carries a significant quantity of traffic heading between the A37 and Whitchurch.



£275k Repairs to Bath Bridges.

1861 Grade 2 listed structure that has a 30m span and carries the A4 highway.

The structure was experiencing

- a life expired and failed paint system,
- evidence of overall corrosion with advanced corrosion to cantilever
- impact damage to parapet,
- leaking and advanced corrosion to access chambers,

- vegetation damage to abutment masonry.

The funding allowed us to address these issues.





£460K carriageway surfacing

Delivering top classified network priorities from the Highways Carriageway Rolling Programme, all of which were suffering from both surface and foundation failure.

£25k Portway highway flood prevention

The funding enabled preparation of a scheme at the Portway junction with Sylvan way to address highway flooding. This is a high priority as there have been collisions at the location due to the

presence of water on the network. The work involved preparing designs and removing vegetation in the winter to enabling the scheme to be delivered in 2019/2020.

£30k footway reconstruction

Works undertaken to reconstruction the footway on Clifton Park Road.

£52K to support the harbour condition assessment

The funds help to support the harbour condition assessment and undertake assessment of the Feeder walls and Junction Lock swing bridge.

£30k to repair Stockwood precinct retaining wall

Stockwood precinct retaining wall was an ongoing safety issue which was fenced off and prevented the public from using the space. The funding enable essential repairs which has enabled the fencing to be removed and the space to be opened up for the community.

£75k Cumberland Road carriageway retaining wall.

The wall adjacent to Cumberland Road Railway Bridge was badly affected by vegetation and was in urgent need of repair and repointing.

£67k SmartWater City Gully Sensors

Smart City project to install gully sensors across the network to improve our gully cleansing inspection data and further develop the smart water project in the city. Better identification and reaction to potential flooding will reduce the amount of potholes on the network.

The SmartWater gully sensors project has:

- 1) Reduced the number of cleanse visits required, whilst reducing the risk of flooding through compromised drainage assets.
- 2) Improved the data regarding the asset's location and condition was accurate.
- 3) Provided data analysis to enable predictions for silt levels and flooding up to five days in advance.
- 4) delivered savings.



14 Mar 2019 at 15:16 (Location: 51.413002, -2.599437 at 14 Mar 2019 at 15:16)