

APPENDIX 2

Visual examples of green infrastructure and improved street furniture



Trees



Credit: GreenBlue Urban Northwood Hills Case Study (<https://greenblue.com/gb/case-studies/northwood-hills/>)

Trees planted in central reservation along Harehills Road, inclusive of necessary construction works, underground root planting, aeration and irrigation systems and permeable surface. Photo above shows a similar example in Hillingdon, London.

Tree would require intensive watering and regular maintenance to ensure encroachment onto the carriageway is minimised, a cost of which is included within the parameter noted below.

Expected cost region £25,000 to £30,000 per tree installed.



Trees in planters, as visualised along the central reservation of Harehills Road.

These trees will not grow to the same height as a tree planted in the ground due to limited soil space, however would still provide a defined aesthetic uplift to this area.

These can be placed at intervals as desired and in a variety of locations including footway locations and at road closure points to complement or replace bollards. In the event of roadworks, the planters can be moved to suit.

Expected cost region £3,000 to £5,000 inclusive of maintenance, per planter.

Grass Verge / Artificial Grass / Wildflower verge



The central reservation on Harehills Road is currently made up of a tarmac surface, but this could be excavated to a necessary depth, drainage holes provided, and the surface then treated with topsoil and grass seed.

Expected cost region £5,000 - £6,000 per 50 linear metres of central reservation



A61 Wakefield City Centre – Use of artificial grass

Wakefield City Council have recently installed artificial turf on a central reservation on the A61 by the Trinity development, to provide the same aesthetic change as desired on Harehills Road, but without the need for ongoing maintenance.

The same process could be applied to Harehills Road to avoid the need for lane closures and traffic management to undertake grass cutting. This installation also removes the need to excavate the existing central reservation, reducing time on site and subsequently reducing cost of installation.

Expected cost region £2,500 - £3,500 per 50 linear metres of central reservation



Wildflowers may be installed along the central reservation in lieu or as well as grass seed. This would incur the same process as provision of topsoil and seed as noted above and cost the same as topsoil and seed with an extra over for the additional specialised wildflowers.

Expected cost region £5,500 - £6,500 per 50 linear metres of central reservation

Planters / Hanging Baskets

Various options exist for the provision of planters and hanging baskets and these would be costed individually based on the specification desired at each location. Visual examples as below.





Street Furniture

A variety of street furniture options are available but would focus mainly on the provision of street benches. Such features could support the use of the local centre for those with reduced mobility or alternatively in terms of providing areas for residents and visitors to sit to eat, drink and socialise.

Many bench designs are available and each with their own cost implications which would need to be determined once a particular design had been chosen. Some visual images of possible options are below.





