

## **Appendix 2**

DCC Challenge Fund Bid – A6 Phase 1 Statistics

**DCC Challenge Fund Bid - A6 Highway Resilience  
Highway Retaining Walls Phase 1**

| Structure_                             | Road Name     | Street Reference Number | Retaining Above or Below | Total Length (m) | Defect Score | DCC Structure Reference Number | Maximum Retained Height (m) | Greater or Less than 3 metres | CIPFA Rate | Description of Features   | Defect Description  | Remedial Measures  | Estimated Cost |
|--|---------------|-------------------------|--------------------------|------------------|--------------|--------------------------------|-----------------------------|-------------------------------|------------|---|---|--|----------------|
| Willersley Retaining Wall              | A6 Derby Road | 10900376                | BELOW                    | 312.2            | 5            | RB250084                       | 5.9                         | GTR3m                         | £2,487.00  | Varying construction types, Highway Gully outfalls, sections adjacent river, Utilities in footway.  | Large levels of vegetation required due to substantial tree growth. Deformed sections of drystone with extensive stone loss. Unknown footing displaying evidence of movement. Very steep downslope to rear of wall needing stabilisation. | 50% complete rebuild required. PCC Panels with Natural Stone facing. Scour Protection works throughout section adjacent to watercourse. Devegetation and repointing on 100%. | £458,220.70    |
| Waterworks Retaining Wall              | A6 Derby Road | 10927730                | BELOW                    | 272.3            | 4            | RB350076                       | 6.3                         | GTR3m                         | £2,487.00  | Large dry stone wall at the top of steep slope with unknown footing and Buttresses. Highway Gully outfalls. Substandard Parapet adjacent to heaving footway.                              | Tree growth from face of wall and within footings, cracks in footway and in parapet. Parapet substandard height and displaying rotation.  | Pointing, Grouting and Soil Nailing scheme with localised rebuilds. Parapet upgrades throughout substandard sections. Devegetation and repointing on 100%.                   | £340,375.00    |
| Caravan Site South Retaining Wall      | A6 Derby Road | 601666                  | BELOW                    | 61.5             | 4            | RB350083                       | 1.8                         | LESS3m                        | £1,865.00  | Back pointed drystone wall adjacent to footway. Highway Gully outfall pipes.  | Tree/vegetation growth throughout face and footings. Footway distortion due to tree root damage. Loss of mortar and serious deformation in wall structure leading to loss of stones.  | Tree and vegetation removal. Total rebuild using PCC units.  | £114,697.50    |
| Caravan Site Retaining Wall            | A6 Derby Road | 601666                  | BELOW                    | 306.2            | 4            | RB350082                       | 5.8                         | GTR3m                         | £2,487.00  | Back pointed drystone wall. Highway Gully outfall pipes. Footway adjacent.  | Distortion and voids in retaining section of wall throughout its extents. Large trees growing from face and footing affecting structural integrity. Defects in Parapet. Serious footway deformation                                       | Pointing, Grouting and Soil Nailing scheme with localised rebuilds. Parapet upgrades throughout substandard sections. Devegetation and repointing on 100%.                   | £668,281.50    |
| St. Johns Road Junction Retaining Wall | A6 Dale Road  | 10900345                | ABOVE                    | 26.2             | 4            | R25729                         | 3                           | GTR3m                         | £1,865.00  | Retaining above the A6. Wall built partially on rock face. Pointed Dry Stone wall with partial block work. Utilities within structure. Under-filled section.                              | Loss of pointing and localised loss of stone. Low parapet. Minor vegetation growth. Section with vertical joint. Mixed construction.  | Localised rebuild required at sections where there is loss of stone. Devegetation and Pressure pointing and drilling weep pipes. Increase parapet height.                    | £13,100.00     |
| Old Quarry Retaining Wall              | A6 Derby Road | 10927730                | BELOW                    | 134.1            | 4            | RB350053                       | 3.8                         | GTR3m                         | £2,487.00  | Back pointed dry stone construction, Buttresses, large two tier construction in places. Structure is at the top of a steep bank and adjacent to narrow footway.                           | Voids, Mortar loss and signs of settlement/movement. Trees growing in the wall and foundations. Substandard height parapet.   | Localised rebuild required at sections where there is loss of stone. Devegetation and Pressure pointing and drilling weep pipes. Increase parapet height.                    | £292,673.25    |
| Birch Wood South Retaining Wall        | A6 Derby Road | 10900376                | BELOW                    | 110.2            | 4            | RB350052                       | 5.6                         | GTR3m                         | £2,487.00  | Back pointed dry stone construction with Buttresses. Two tier construction in places. Wall built at the top of steep slope directly adjacent narrow footway. Highway Gully outfall pipes. | Devegetation required. Voids in the parapet and evidence of movement in the lower tier, low height parapet. Footway in poor condition.  | Soil Nailing to stabilise bank and meshing. Removal of trees. Pressure pointing existing wall and upgrade parapet and resurface footway.                                     | £413,250.00    |
| Meadow View Retaining Wall             | A6 Derby Road | 10900376                | BELOW                    | 49.7             | 4            | RB350050                       | 1.5                         | LESS3m                        | £1,865.00  | Large drystone construction at top of steep slope. Highway Gully outlets. Wall adjacent to footway.   | Numerous large trees growing within the wall that need removing, damaged parapet, footways heaving, areas with loss of stone. Substandard Parapet height.   | Tree and Ivy removal required. Total rebuild of large sections with PCC units. Stabilise sections of banking with soil nails and meshing.                                    | £92,690.50     |
| Birch Wood Retaining Wall              | A6 Derby Road | 10927730                | BELOW                    | 254              | 4            | RB350052                       | 2.7                         | GTR3m                         | £2,487.00  | Back pointed dry stone construction with Buttresses. Two tier construction in places. Wall built at the top of steep slope directly adjacent narrow footway. Highway Gully outfall pipes. | Devegetation required. Voids in the parapet and evidence of movement in the lower tier, low height parapet. Footway in poor condition.  | Soil Nailing to stabilise bank and meshing. Removal of trees. Pressure pointing existing wall and upgrade parapet and resurface footway.                                     | £1,190,625.00  |
| Milnerway No 1 Retaining Wall          | A6 Derby Road | 10900376                | BELOW                    | 305.6            | 4            | RB350056                       | 2.4                         | LESS3m                        | £1,865.00  | Mortared drystone construction. Stats adjacent within footway Highway Gully outfalls. Unknown foundation.   | Loss of mortar and deformed sections throughout. Parapet is substandard height. Footway deformation.  | Take down and replace with PCC units. Increase parapet height.   | £569,994.00    |
| Milnerway No 2 Retaining Wall          | A6 Derby Road | 10900376                | BELOW                    | 399.2            | 4            | RB350057                       | 3.2                         | GTR3m                         | £2,487.00  | Mixed construction – Drystone & Mortared Drystone. Stone Parapet adjacent to footway. Statutory Undertakers apparatus within vicinity of structure. Highway Gully outfalls through wall.  | Loss of mortar and deformed sections. Large voids between stones. Parapet is substandard height. Vegetation growth affecting structure.   | Devegetation and Pressure Pointing with drilled weep pipes. Increase parapet height.   | £372,254.00    |
| Carr Wood Retaining Wall               | A6 Derby Road | 10900376                | BELOW                    | 75.8             | 4            | RB350058                       | 2.4                         | LESS3m                        | £1,865.00  | Drystone wall with stepped construction and unknown footing. Some sections adjacent steep bank. Highway Gully outlets. Structure adjacent footway.  | Voids, Mortar loss and signs of settlement/movement. Vegetation growing throughout full extents. Substandard parapet height.  | Total rebuild of large sections with PCC units. Stabilise sections of banking with Soil Nails and meshing.   | £141,367.00    |
| Masson Weir Retaining Wall             | A6 Derby Road | 10900379                | BELOW                    | 195.7            | 4            | RB250081                       | 3.9                         | GTR3m                         | £2,487.00  | Large drystone construction at top of steep slope and adjacent to Masson Mill site. Highway Gully outlets. Structure adjacent to footway. Metal railing parapet.                          | Tree growth within wall structure. Wall has unknown footing showing uneven settlement. Parapet is not vehicle retention class.  | Devegetation and Pressure Pointing with drilled weep pipes. Upgrade of parapet.  | £97,850.00     |

Total Phase 1 Works Cost Estimate **£4,765,378.45**