

| Type             | Name  | Approximate Costs<br><i>Without TM for works duration</i> | Approximate Timescale | Comments   | Maintenance Implications  |
|------------------|---|---|-----------------------|--|---|
| Individual items |   |   |                       |  |   |
|                  | Bollards – there is a range of bollards from concrete, metal to hardwood. Prices can vary dramatically, your Maintenance Engineer can advise        | £200-£450 per bollard                                     | 28 Days               | In footway or verge  | Often installed where problems exist: so are often damaged. Can impact on verge cutting |
|                  | Traffic sign  | £50 per 600mm sign  | 28 Days               | On to existing pole  | Potential conflict with de-cluttering initiative  |
|                  | Direction or information sign on existing pole  | £50 per sign  | 3 Months              |  |   |
|                  | Post for traffic sign   | £160 per 76mm dia post                                    | 3 Months              | This is for a single post on a low speed road  |   |
|                  | Reflective bollard for traffic island - Non illuminated   | £380 - per bollard  | 3 Months              |  |   |
|                  | Reflective bollard - Solar Powered  | £1,100 – per bollard                                      | 3 Months              |  |   |
|                  | Standard street lamp and column   | £2,600 – per column                                       | 1 Year                | Up to 5m column plus connection  |   |
|                  | Advance direction sign (ADS)  | £750 – for a very small sign                              | 1 Year                | Based on a standard size. However some can be £10K   |   |
|                  | Road gulley and connection (up to 3 metre connection)   | £1,500 per gulley   | 28 Days               | Traffic management costs can be high depending on location. There needs to be a drainage system for the gulley to connect into |   |
|                  | Tree planting, including small tree and tree pit  | £750 – per pit  | 3 Months, Seasonal    | Tree pits can only go in where there is sufficient pavement width  |   |
|                  | Footway, dropped kerb   | £700 – in residential area                                | 3 Months              | Pram crossing including tactile.   |   |
|                  | Guardrail   | £200 – per section  | 3 Months              | 2m length, standard galvanised   | Potential maintenance liability - Frequently need replacing                             |
|                  | Gulley tanker and jetter  | £750 per day  | 28 Days               |  |   |
|                  | Gulley tanker, jetter and CCTV  | £1,400 per day  | 28 Days               | This includes CCTV analysis  |   |
|                  | Gulley tanker and jetter with traffic management  | £1,200 per day  | 28 Days               |  |   |
|                  | Community gang with hand tool for vegetation clearance, verge reinstatement, sign cleansing etc.  | £600 per day  | 28 Days               | These gangs can be used for a variety of minor works   |   |
|                  | Road gang for potholes, kerbs, paving – for minor roads where traffic management is minimal. On average a gang can fix approx. 10 potholes per day. | £600 per day  | 28 Days               | Including compressor/breaker and materials.  |   |
|                  | Road gang for potholes, kerbs, paving – where TM (traffic management) is needed   | £1,100 per day  | 28 Days               | Including compressor/breaker and materials. TM gang is for specialist TM at higher risk locations.                             |   |
|                  | Tree work gang for high level work. Additional costs for traffic management maybe need in some locations  | £750 per day  | 3 Months              | Day rate including tools and clearance.  |   |

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|   | Weed spraying  | £0.04 per m2                               | 28 Days                       | For the work to be attractive you would need to do several thousand sq metres. Prices to treat the whole highway of each District / Borough are available |  |
|   | Road marking gang  | £750 per day                               | 3 Months                      | Day rate inclusive of materials.  |  |
|   |  |  |                               |   |  |
| <b>Capital</b>  | Local Structural Repair (planning and inlay) – minimum area (TBC) required but Officers will try to batch work. Traffic management maybe extra depending on location – this applies to all capital works below | £40 per m <sup>2</sup> (40mm)              | 3 Months                      | Road surface is mechanically ground out and re-laid with macadam.   |  |
| <i>Capital maintenance programmes</i>   | Local Structural Repair- overlay   | £25 per m <sup>2</sup> (40mm)              | 3 Months                      | Macadam surface is laid over existing surface and "cut in" at joints.   |  |
|   | Micro asphalt  | £8 per m <sup>2</sup>                      | 1 Year (specialist programme) | Low cost overdressing.  |  |
|   | Footway: macadam resurface   | £35 per m <sup>2</sup>                     | 3 Months                      | Removed existing surface and replacing  |  |
|   | Footway: lift slabs and replace with macadam   | £50 per m <sup>2</sup>                     | 3 Months                      | Dispose of existing and replace with macadam  |  |
|   | Footway: replace slabs   | £70 per m2 (standard PCC slab)             | 3 Months                      |   |  |
|   | Footway: replace blockwork   | £70 per m2 (standard blocks)               | 3 Months                      |   |  |
|   | Footway slurry   | £4 per m <sup>2</sup>                      | 1 Year (specialist programme) |   |  |
|   | Anti-skid treatment  | £32 per m <sup>2</sup>                     | 1 Year (specialist programme) |   |  |
|   |  | <i>Timescales from initial instruction</i> |                               |   |  |
| <b>ITS</b>  | Traffic Island   | <£15K                                      | 1 year design and build       | Assumes road is wide enough and power supply nearby.  | Often damaged (especially bollards).                     |
| <i>All schemes' costs and timescales can be affected by location of statutory undertaker's plant and the need for diversionary works.<br/><br/>Many schemes can incorporate a number of different measures.</i> | Pair of mobility ramps (including tactile paving)  | <£15K                                      | 1 Year design and build       | Location may be subject to designing round utility covers/drainage.   |  |
|   | Kerb build out   | <£15K                                      | 1 Year design and build       | Likely works required also.   |  |
|   | Pair of speed cushions   | <£15K                                      | 1 Year design and build       | Scope for 1 year timescale subject to positive outcome from statutory consultation.   | Dependant on materials / volume of traffic.              |
|   | Raised table (full width)  | £15K - £30K                                | Design year 1, build year 2   | Subject to positive outcome from statutory consultation.  | Dependant on materials / volume of traffic.              |
|   | Bus stop kerb works  | <£15K                                      | 1 Year design and build       | Can result in extra works due to levels and bus shelter locations.  |  |
|   | Priority Give Way  | <£15K                                      | 1 Year design and build       | Assumes kerb buildout also required.  |  |
|   | Vehicle Activated Sign/ Variable Message Sign  | <£15K                                      | 1 Year design and build       | Suitability of power type (electrical vs solar) a consideration.  | Limited life to replacement / obsolete in some instances |
|   | Pedestrian refuge  | £15K - £30K                                | 1 Year design and build       | Power supply nearby. Assumes road is wide enough. Possible significant lighting and drainage works.   | Often damaged (especially bollards).                     |

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| Signals study                             | £15K - £30K   | 1 Year study                      | Study includes surveys and modelling work.  |   |
| Mini roundabout                           | £30K - £50K   | Design year 1,<br>build year 2    | Cost dependant on lighting, drainage and deflection requirements (eg new islands, kerb realignment).  |   |
| Junction table                            | £30K - £50K   | Design year 1,<br>build year 2    | Subject to positive outcome from statutory consultation.  | Dependant on materials / volume of traffic. |
| Zebra crossing                            | £30K - £100K  | Design year 1,<br>build year 2    | Most zebra crossings require other works (eg kerb realignment, surfacing, street lighting).   |   |
| Traffic calming - Rural                   | £30K - £100K  | Design year 1,<br>build year 2    | Costs depend on size of scheme, complexity and desired speed outcome. Measures most likely to include signs, lines and gateways.            |   |
| Traffic calming - urban                   | £50K - £100K  | Design year 1,<br>build year 2    | Costs depend on size of scheme, complexity and desired speed outcome. Measures most likely to cushions, tables, buildouts.                  |   |
| Footway widening to achieve cycleway      | £50K - £100K  | Design year 1,<br>build year 2    | Depending on spec, lighting and length of scheme.   |   |
| Puffin/Toucan pedestrian/cycle crossing   | £100K - £250K | Design year 1,<br>build year 2    | Road widths, footway widths, driveways, drainage, levels, power, lighting can all affect costs.   | Power and service costs.                    |
| Signalised Equestrian Crossing            | £100K - £250K | Design year 1,<br>build year 2    | Road widths, footway widths, driveways, drainage, levels, power, lighting and suitability of approach paths can add significantly to costs. | Power and service costs.                    |
| Cycleway or footway construction on verge | £100K - £250K | Design year 1,<br>build year 2    | Depending on spec, lighting, land availability and length of scheme.  |   |
| Cycleway widening                         | £100K - £250K | Design year 1,<br>build year 2    | Depending on stats, spec, lighting. Scope for 1 year timescale (consultation).  |   |
| Signalised junction - three way           | £100K - £500K | Design year 1,<br>build year 2    | Road widths, footway widths, driveways, drainage, levels, power, lighting can all affect costs.   | Power and service costs.                    |
| Pelican/Toucan (if on dual carriageway)   | £250K+        | Design year 1,<br>build year 2    | Road widths, footway widths, driveways, drainage, levels, power, lighting can all affect costs.   | Power and service costs.                    |
| Public realm improvements                 | £500K+        | Design year 1 +2,<br>build year 3 | May require significant consultation and lead in.   | Specialist materials for future matching.   |
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