

Transport and Environment Committee

3.00pm, Wednesday, 20 June 2018

Roads Capital Investment Programme - Update

Item number	7.3
Report number	
Executive/routine	Executive
Wards	All Wards
Council Commitments	15 , 16 , 17 , 19

Executive Summary

At its meeting on [9 March 2018](#), the Council's Transport and Environment Committee requested a report updating members on the Roads Capital Investment Programme.

This report sets out the carriageway and footway schemes that were delayed in previous financial years and have been carried forward into 2018/19.

The carriageway and footway schemes listed in this report were selected for capital investment using a scheme of prioritisation which uses condition assessment scores, prioritisation criteria and weightings.

The budget allocation and lists of maintenance schemes in this report aim to ensure that the condition of roads and footways improve, whilst fulfilling the objective that the prioritisation reflects and supports the Council's Local Transport Strategy objectives.

Roads Capital Investment Programme - Update

1. Recommendations

- 1.1 It is recommended that the Transport and Environment Committee:
 - 1.1.1 notes the content of this report as detailed in paragraphs 3.1 – 3.20; and
 - 1.1.2 notes the carriageway and footway schemes that have been carried forward into 2017/18 shown in Appendix 1; and
 - 1.1.3 Approves the discharge of the Green Group motion to this committee on 17 May 2018 to provide details on which roads are given cycle weighting and on stakeholder liaison for maintenance schemes (as detailed in paragraphs 3.22 – 3.26 and 3.31 – 3.34).

2. Background

- 2.1 At its meeting on [9 March 2018](#), the Council's Transport and Environment Committee requested a report updating members on the Roads Capital Investment Programme.
- 2.2 This report details the outstanding Infrastructure projects.
- 2.3 The Council's carriageway and footway stock has a gross replacement cost of £2,284m. It is essential that the carriageways and footways are maintained to an acceptable standard. A new investment strategy for carriageways was agreed by this Committee in [October 2015](#), which will ensure improvements in the carriageway condition throughout the city.

3. Main report

Capital Budget Provision

- 3.1 Historically, the carriageway and footway capital budget has carried forward budget on an annual basis with the historic backlog predominantly as a result of resource shortfall and delays caused by other works on the road network (Developments/Utilities). Approximately £8m of carriageway and footway schemes will be carried forward into 2018/19. This will give an overall budget of approximately £20m in FY 2018/19.
- 3.2 The list of carriageway and footway schemes that have been carried forward into 2018/19 is shown in Appendix 1.

- 3.3 Whilst a backlog of carriageway and footway schemes exists, it should also be noted that many schemes were delivered in 2017/18. Appendix 2 details these schemes.

Constraints and Other Influences

- 3.4 Utility reinstatements: There were over 11,000 openings in Edinburgh's network in 2017/18. It is important that all reinstatements are inspected to ensure compliance with specification and to acceptable workmanship levels so that they last as long as possible to minimise the requirement for additional revenue repairs and, ultimately, capital renewals.
- 3.5 Developments: There are a number of high profile developments taking place in Edinburgh now and over the next few years. This includes the St James Development, Caltongate and a potential Tram extension. Any major carriageway schemes will have to be co-ordinated and carried out in a manner that does not conflict with these developments.
- 3.6 Street Design Guidance: It has taken longer to design several types of maintenance/renewal schemes when implementing the recently adopted Street Design Guidance. The guidance enhances place making and, in some instances, leads to wall-to-wall improvements. However, it requires greater consultation and engagement at the design stage and requires additional redetermination orders and TROs. In the long term the guidance will improve the overall environmental ambience and quality of the streets/places in Edinburgh.
- 3.7 Scope of Design Resource and Staff Retention: It would be prudent to consider the scope of the existing in-house design with a view to realising delivery of improvements 'on the ground' based on the funding available and mitigating potential for 'backlog' as has been suffered previously. Local Authority salaries are also lower than private sector of the industry. Staff retention can be difficult in some disciplines when the private sector is recruiting ie Street Lighting and Structures. However, by following the Street Design Guidance it is expected that more challenging and rewarding projects will be delivered.

Transport Design and Delivery

- 3.8 Over the past few years there has been inadequate internal resource available to design and deliver all of the approved capital carriageway and footway schemes. This has been a major contributing factor in the number of schemes that have been carried forward into 2018/19.
- 3.9 The majority of carriageway and footway schemes will be delivered through the Council's Framework contract, using external contractors. This is the most cost-efficient way to deliver the schemes.
- 3.10 In order to deal with design resource issues and maximise capital scheme delivery in the short term, it is proposed to use external consultant framework contracts. This will allow external designers to prepare a large number of carriageway and footway schemes ready for delivery. There is also the option of employing agency design staff. Whilst this will go some way to increase the number of schemes that

will be delivered each financial year it will still require internal resources to manage external designers and consultants.

- 3.11 There is also the option to deliver further schemes through the Scape Group Ltd (Scape) Framework. However, there are much less in-house controls in the delivery of schemes through an external design and build contract and this does require a higher level of management/governance by the in-house design and supervision team.
- 3.12 The Scape Group National Civil Engineering and Infrastructure Framework Agreement (the Framework) is a contract that the Council has access to and is particularly suited to projects requiring early engagement with a contractor as it clearly defines an initial pre-construction stage separated from the subsequent construction stage by a gateway review point.
- 3.13 Scape System Build Limited (trading as Scape Group) is a local authority-controlled company that has set up a number of framework agreements in respect of different types of construction work. Local authorities may call-off relevant contractors from a particular framework and all 'Delivery Agreements' called off are based on the industry standard NEC3 Conditions of Contract.
- 3.14 It is important that all delivery options are explored in 2018/19 and future financial years to ensure maximum delivery of Infrastructure schemes.

Roads Improvement Plan

- 3.15 The Council's Roads Improvement Plan has already made significant improvements in how defects are identified, recorded, and repaired. This has resulted in an overall decrease in the number of defects on Edinburgh's network.
- 3.16 The Roads Improvement Plan is looking to address the lack of design staff resource in the medium and long-term and clear the backlog in capital maintenance schemes. However, it is anticipated that it will take 2 to 3 years to fully clear the backlog. This could include implementing a consultancy term service contract, for design and contract management services to augment the in-house resource. This would be managed by the in-house team.

Winter Weather

- 3.17 Edinburgh suffered a bad winter in 2017/18. This has led to accelerated carriageway deterioration in some areas. As a result, the number of defects on the network have increased, putting additional pressure on our internal resources.
- 3.18 In addition to the increased number of defects the overall carriageway condition has deteriorated over larger areas in some parts of the city. This has meant that some capital carriageway schemes have had to be accelerated or brought into the capital programme to ensure that full resurfacing is carried out in this financial year ie Queen Street, Home Street, High Street, Bankhead Avenue, Harlaw Road, Bavelaw Road, Cliftonhall Road and Clifton Road. Some of the current design resource has, therefore, been diverted to these schemes.

Road Condition

- 3.19 The condition of Edinburgh's roads is assessed annually as part of the Scottish Roads Maintenance Condition Survey (SRMCS), an independent survey of road conditions in all 32 Scottish local authorities. The survey provides each local authority with a Road Condition Index (RCI) which identifies the percentage of roads in need of maintenance.
- 3.20 The RCI consists of three categories of deterioration: Red, Amber 1 and Amber 2, with roads in the red category being in the worst condition. Roads in the Amber condition indicate that further investigation is required to establish if preventative treatment is required. Roads in the red category have deteriorated beyond preventative maintenance and will require more robust treatments in order to prolong its future.
- 3.21 Edinburgh's current RCI is 36.4% placing Edinburgh 18th out of the 32 Scottish Local Authorities.

Active Travel and Street Design Principles

- 3.22 In relation to the design process for infrastructure improvements the Roads Renewal and Transport Design teams liaise closely with colleagues in the Road Safety and Active Travel Team, Public Transport Team, Localities and Edinburgh Road Services (ERS) at an early stage to identify potential conflicts between schemes to enable programmes to be realigned to prevent abortive work being undertaken.
- 3.23 On a monthly basis the Infrastructure Manager chairs a meeting between the Roads Renewal Manager, Transport Design and Delivery Manager, Locality Transport and Environment Managers and the ERS Commercial Manager to discuss delivery programmes, budgets and progress.
- 3.24 During the design phase, the scheme designers consult with colleagues in these teams to address detailed design issues. The designers will also consult with other council services (e.g. waste services, parks and greenspace, community safety, etc.) to consider aspects such as bin storage and collections, landscaping and CCTV camera locations.
- 3.25 Where it is considered likely that a scheme will deliver significant changes to the operation of the street (e.g. Leith Programme) a project working group is convened. Major stakeholders are invited to sit on this group (e.g. Sustrans, Lothian Buses, etc.) such that they have direct input in the design process and in any public exhibitions and consultation exercises. Such consultation exercises enable other stakeholders (e.g. residents, community councils, business groups, Spokes, Living Street, RNIB, etc.) to feedback on the proposals.
- 3.26 A dedicated Stakeholder Liaison Manager may also be employed to form relationships with local residents and businesses and provide a point of contact during the construction phase. They would also deal with day-to-day issues and work closely with the contractor to minimise disruption to residents and businesses.

Prioritising of 2018/19 Programme

- 3.27 Given the large number of outstanding schemes it is important that all carriageway and footway schemes are prioritised on a needs basis and in line with local priorities.
- 3.28 Programming meetings have already taken place with Transport and Locality staff to ensure that all areas have been considered and that, where possible, programmes for other sections can be joined up to maximise delivery eg upgrading traffic signals when resurfacing the carriageway.
- 3.29 The surface treatment schemes ie surface dressing and micro asphalts have a small weather window for delivery and must be delivered during the period of warmer weather. All of the surface treatment schemes will be designed and delivered in conjunction with an external contractor through the Council's Framework contract.
- 3.30 All future capital programmes must take into consideration the city centre and arterial route embargo periods. This significantly restricts the amount of work that can be carried out during the festival and Christmas embargos.

Cycling Prioritisation

- 3.31 It is accepted that there are many benefits to the existing prioritisation scheme for roads. The bus percentage weighting has a significant effect on the carriageways selected for prioritisation, benefiting both bus use and cycle use. Edinburgh also has an additional weighting for cycle use on roads that are not located on a bus route. A weighting of 1.05 (or 5%) is applied to these roads.
- 3.32 The Active Travel Action Plan 'Family Network' is used as the basis for identifying roads that receive the additional 1.05 weighting to reflect their use by cyclists.
- 3.33 The Family Network consists of on/off-road cycle routes that have been identified as part of a citywide network suitable for all cyclists, particularly those who are less confident in traffic. The Council is in the process of delivering a 10 year programme to implement the Family Network, but much of the infrastructure is already in place and there are significant numbers of cyclists already using parts of the routes where improvements are planned. It is, therefore, considered that the Family Network is a suitable for identifying roads that should receive an additional prioritisation weighting.
- 3.34 Off-Road cycleways are treated as part of the Footways allocation but are ranked separately depending on their cycle usage. High (2.0), Medium (1.5) and low (1.0) priority weightings are applied to the off-road cycleways.

4. Measures of success

- 4.1 The assessment of the condition of the city's roads is measured annually by the Scottish Road Condition Measurement Survey (SRCMS). This survey shows the percentage of roads that should be considered for maintenance intervention. Edinburgh's Road Condition Index (RCI) has improved from 42.3% in 2005/6 to 36.4% in 2016/18. However, this is an increase from 34.6% in 2015/17. A continual gradual improvement in Edinburgh's RCI will be a measure of the success of the Roads Capital Programme.
- 4.2 The Road Asset Management Plan is being prepared which will, in time, result in a long term strategy for the maintenance of all Council owned infrastructure assets. Now that funding has been made available, Principal Bridge Inspections are being undertaken which will ensure bridges are in a safe condition and that maintenance funding can be better directed.

5. Financial impact

- 5.1 The cost of improvement works, listed in Appendix 1 have been reported in previous Committee reports.
- 5.2 It should be noted that the Council's Capital Investment Programme is funded through a combination of General Capital Grant from the Scottish Government, Developers and Third-Party Contributions, capital receipts and borrowing. The borrowing required is carried out in line with the Council's approved Treasury Management Strategy and is provided for on an overall programme basis rather than for individual capital projects.

6. Risk, policy, compliance and governance impact

- 6.1 The recommendations in this report will improve the condition of the roads, footways and structures listed. The capital programme of works will be monitored on a monthly basis to reduce the risk of not delivering the schemes detailed in this report.
- 6.2 There are no significant compliance, governance or regulatory implications expected as a result of approving the recommendations in this report.

7. Equalities impact

- 7.1 A full impact assessment will be carried out on a scheme by scheme basis. The schemes recommended in this report for maintenance have been identified using the prioritisation method and will only require consultation with specific groups prior to the design being carried out.
- 7.2 The investment in the city's roads, footways, gullies and street lighting improves the accessibility and safety of the road and footway network and therefore has a

positive impact for all users, particularly older people and those with a disability. All footway reconstruction schemes incorporate new dropped crossings at all junction points, if not already existing.

8. Sustainability impact

- 8.1 There is potential for positive impact on the environment by improving vehicle and bicycle ride quality on carriageway surfacing works and improved pedestrian passage on footway reconstruction schemes.
- 8.2 Street Lighting capital will continue to implement agreed programmes for the implementation of energy efficient lamps to reduce energy consumption and carbon footprint. The continuing use of extruded aluminium lighting columns provides a more sustainable solution when compared to previously used materials (steel and concrete).
- 8.3 The proposals in this report will increase carbon emissions as a result of the construction plant and materials that will be utilised during the works.
- 8.4 Adopting a proactive approach to inspection and maintenance will ensure that the road network is not compromised and will help to avoid excessively high costs associated with unplanned maintenance so enhancing economic wellbeing and promoting environmental stewardship.
- 8.5 Successful implementation of the Council's Active Travel Action Plan (ATAP) will produce positive environmental benefits. The 10% budget for cycling will assist in the delivery of the ATAP actions relating to cycling.

9. Consultation and engagement

- 9.1 The revised methodology for prioritising roads and footways for capital investment, agreed by the Transport, Infrastructure and Environment Committee in [November 2010](#), was the subject of extensive consultation with Neighbourhood Partnerships and interest groups. A review of these procedures was agreed by this Committee in [October 2013](#). A further review of these procedures was agreed by this Committee in [January 2016](#).
- 9.2 The revised timeline, also introduced in 2010, for the development of the annual capital programme allows time for consultation with Locality Roads Teams and builds in the ability for proposed schemes to be considered by Neighbourhood Partnerships.

10. Background reading/external references

- 10.1 [Carriageway and Footway Investment Strategy 2016](#)
- 10.2 [Road, Footway and Bridges Investment – Capital Programme for 2017/18](#)
- 10.3 [Road, Footway and Bridges Investment – Capital Programme for 2018/19](#)

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11. Appendices

Appendix 1 Outstanding Capital Carriageway and Footway Schemes

Appendix 2 Capital Delivery 2017/18

Outstanding Capital Carriageway and Footway Schemes

SCHEME NAME	SECTION	Type	Area	WARD
Burgess Road	Station Road to Kirkliston Road	Carriageway	2495	1
Lanark Road West	Kirkgate to Riccarton Mains Road	Carriageway	790	2
Boswall Loan	Granton Crescent to Boswall Pkwy + Boswall Loan to Wardieburn Place East	Carriageway	606	4
Lower Granton Road	From btw nos 35-36 east to No.18	Carriageway	1474	4
Broughton Road	Rodney Street to Canonmills	Carriageway	800	5
Craigleith Drive	Craigleith Gardens to Blinkbonny Grove	Carriageway	614	6
Dalry Road	Dalry Place to Washington Lane	Carriageway	6098	7
Lothian Road	Full Length	Carriageway	1320	11
Craigentanny Road	Full Length	Carriageway	1314	14
Wakefield Avenue	Full Length	Carriageway	2627	14
Willowbrae Road	Abercorn Road to Jock's Lodge	Carriageway	3749	14
A7	East Preston Street to High Street	Carriageway	15871	11
Ferniehill Place	Ferniehill Street to no 9	Carriageway	542	16
Liberton Gardens	Liberton Place to Liberton Drive	Carriageway	1780	16
Park Crescent	Mount Vernon Road to Park Gardens	Carriageway	502	16
Brighton Place	Southfield Place to Portobello High Street	Carriageway	TBC	17
Duddingston Crescent	Duddingston Park to Park Avenue	Carriageway	920	17
Rosebery Avenue	Arrol Place to no 45	Carriageway	4487	1
Portobello Road	TBC	Carriageway	7043	14
Gilmerton Road	Mount Vernon Road to Guardwell Crescent	Carriageway	8500	16
B800 Kirkliston to Queensferry	M9 link roundabout to Milton Farm road	Carriageway	9680	1
East Barnton Avenue	Barnton Avenue to outside No.42	Carriageway	622	1
Humbie Farm Rd	See above	Carriageway	1570	1
Marine Drive	West bound c/w from Silverknowes Road	Carriageway	1562	1
Newliston Road	Lochend Road to M9T	Carriageway	5000	1
Queensferry Road	Clermiston Road North to Clermiston Drive	Carriageway	1344	1
Silverknowes Avenue	Silverknowes Loan to Silverknowes Terrace	Carriageway	630	1
Station Terrace	High Street to Wellflats Road	Carriageway	223	1
West Craigie Farm road	TBC	Carriageway	TBC	1
Craigmount Avenue North	Craigmount Court to Drum Brae North	Carriageway	343	3
Muirhouse Avenue	McGill Drive to Muirhouse Park	Carriageway	606	4
Park Road	Derby Street to outside No.40 Park Road	Carriageway	1180	4
Belford Road	From No.2 Ravelston Park to Ravelston Dykes	Carriageway	175	5
Crewe Road South	Comely Bank Roundabout to West Woods	Carriageway	6702	5
Glenogle Road	Dunrobin Place to Teviotdale Place	Carriageway	231	5
Learmonth Park	Learmonth Crescent to Learmonth Grove	Carriageway	717	5
Oxgangs Avenue	Oxgangs Crescent to btw Nos. 40-42 Oxgangs Avenue	Carriageway	438	5
Queensferry Road	Craigleith Road to Craigleith Crescent	Carriageway	389	5

Telford Road	Telford Drive to Western General Hospital	Carriageway	1686	5
Corstorphine Road	Riversdale Crescent to Western Terrace	Carriageway	1214	6
Craigleith Drive	Craigleith Gardens to Caledonian Cycle Track	Carriageway	1976	6
Washington Lane	TBC	Carriageway	TBC	7
Buckstone Gate	Buckstone Road to Buckstone Loan East	Carriageway	406	8
Dreghorn Drive	From Dreghorn Gardens 100m south	Carriageway	644	8
Hainburn Park	New Swanston to No 82 Hainburn Park	Carriageway	422	8
Lanark Road	Wester Hailes Road to Spylaw Park	Carriageway	554	8
Oxgangs Farm Avenue	In its entirety	Carriageway	2819	8
Elliot Place	Craiglockhart Road to Colinton Road	Carriageway	1219	9
Gorgie Road	Balgreen Road to Coxfield	Carriageway	2181	9
Wester Hill	Outside No.11 to No.18	Carriageway	717	9
Ettrick Road	Polwarth Terrace to Spylaw Road	Carriageway	2423	10
Greenbank Road	Various Locations	Carriageway	3427	10
Millar Crescent	Morningside Terrace to Millar Place	Carriageway	725	10
St Margaret's Road	Greenhill Place to Whitehouse Loan	Carriageway	1164	10
Charlotte Square	North Charlotte Street to George Street	Carriageway	470	11
Charlotte Square	Glenfinlas Street to North Charlotte Street	Carriageway	918	11
Regent Road	West end of St Andrew's House to mini rbt east of St Andrew's House	Carriageway	578	11
Rutland Square	Btw Nos. 14-15 to btw Nos. 19-20	Carriageway	335	11
Albert Street	Buchanan Street to Murano Place	Carriageway	263	12
East Montgomery Place	Montgomery Street to Brunswick Road	Carriageway	717	12
Commercial Street	North Junction Street to North Leith Mill	Carriageway	2488	13
Portland Place	Lindsay Road to North Junction Street	Carriageway	2441	13
Jock's Lodge and Willowbrae Road	Wolseley Crescent to Duddingston Road West!	Carriageway	8147	14
London Road	Montrose Terrace to Wishaw Terrace	Carriageway	TBC	14
Marionville Road	Dalgety Avenue to Wishaw Terrace	Carriageway	542	14
Dick Place	Mansionhouse Road to Wyvern Park	Carriageway	2000	15
Fountainhall Road	Findhorn Place to Ratcliffe Terrace	Carriageway	932	15
Mid Liberton	From east side of bridge, south to o/s No.16	Carriageway	183	15
Captain's Road	Burdiehouse Road to Southhouse Road	Carriageway	1678	16
Greenend Grove	Greenend Gardens to No. 17 Greenend Grove	Carriageway	438	16
Craigmillar Castle Avenue	Niddrie Mains Road to Niddrie Mains Road	Carriageway	175	17
Harewood Drive	Niddrie Mains Road to Niddrie Mains Road	Carriageway	215	17
Westbank Street	Hillcoat Place to Great Cannon Bank	Carriageway	311	17
Baberton Mains Loan	Baberton Mains Court to Baberton Crescent Link	C/W Surface Treatment	1801	2
Bankhead Broadway	Bankhead Crossway North to Bankhead Drive	C/W Surface Treatment	662	7
Bankhead Drive	Bankhead Way to Bankhead Crossway South and Bankhead Terrace to Bankhead Crossway North	C/W Surface Treatment	3284	7
Broomhouse Avenue	Broomhouse Street North to Broomhouse Road	C/W Surface Treatment	853	7
Broomhouse Bank	Between Nos 9-11 Broomhouse Bank to Broomhouse Street South	C/W Surface Treatment	542	7

C157 - Kirkliston to Burnshot	Standingstone Road to Wheatlands Road	C/W Surface Treatment	3914	1
Caiyside	House numbers 93 to 115	C/W Surface Treatment	25050	8
Caiystane Avenue	West Caiystane Road to East Caiystane Road	C/W Surface Treatment	1251	8
Caiystane Crescent	Caiystane Hill to Comiston Road	C/W Surface Treatment	28652	8
Caiystane Terrace	Oxgangs Brae to entrance to No 7 Caiystane Terrace	C/W Surface Treatment	1291	8
Caledonian Crescent	Caledonian Place to Orwell Place	C/W Surface Treatment	685	7
Cambusnethan Street	Dalziel Place to Marionville Road	C/W Surface Treatment	2511	14
Camus Avenue	East Camus Place to Camus Park	C/W Surface Treatment	1849	8
Clackmae Road	Leadervale Road to Kedslie Road	C/W Surface Treatment	3331	16
Colmestone Gate	Pentland View to No.6-7 Colmestone Gate	C/W Surface Treatment	383	8
Columba Road	Jeffrey Avenue to Gardiner Road	C/W Surface Treatment	1729	5
Duddingston Road	Duddingston Avenue to Duddingston Road West	C/W Surface Treatment	1203	14
East Caiystane Road	Caiystane Avenue to Caiystane Crescent	C/W Surface Treatment	1865	8
Echline Terrace	Cul de sac at no 3, west and south to no 21	C/W Surface Treatment	3076	1
Fairmile Avenue	Caiystane Avenue to Oxgangs Road	C/W Surface Treatment	1626	8
Fishwives Causeway	Full Length	C/W Surface Treatment	4240	14
Forthview Road	Forthview Terrace to Seaforth Drive	C/W Surface Treatment	311	5
Gogarloch Syke	O/s No.74 Gogarloch Syke to Gogarloch Muir	C/W Surface Treatment	2534	3
Gordon Loan	Old Kirk Road to Gordon Road	C/W Surface Treatment	534	6
Granton Park Avenue	West Granton Road to approx 10m west of gable end of No.35	C/W Surface Treatment	2853	4
Harrison Road	O/s No.5 Harrison Road to Harrison Gardens	C/W Surface Treatment	1833	9
Hay Avenue	South side of most southerly Roundabout to Niddrie Mains Road	C/W Surface Treatment	1554	17
Hillside Crescent	Brunswick Street to Hillside Street	C/W Surface Treatment	1275	12
Hillwood Rise	Hillwood Terrace to Hillwood Crescent	C/W Surface Treatment	1379	1
King's Haugh	Section to ambulance station	C/W Surface Treatment	1108	17
Kingsknowe Terrace	Kingsknowe Gardens to Kingsknowe Avenue	C/W Surface Treatment	550	2

Leadervale Road	Clackmae Grove to Clackmae Road	C/W Surface Treatment	383	16
Leven Terrace	Glengyle Terrace to Brougham Place	C/W Surface Treatment	1490	10
Mortonhall Park Drive	Mortonhall Park Gardens to Mortonhall Park Bank	C/W Surface Treatment	1626	16
Mountcastle Drive South	Milton Gardens South to Bingham Avenue	C/W Surface Treatment	853	17
Mounthooly Loan	Frogston Road West to end of cul de sac at no 51	C/W Surface Treatment	5157	8
Murrayfield Road	Campbell Avenue to Kinellan Gardens	C/W Surface Treatment	749	7
New Mart Road	New Market Road to the Risk Factory	C/W Surface Treatment	4268	9
Orchard Place	Orchard Road to Orchard Brae Gardens West	C/W Surface Treatment	1132	5
Paisley Crescent	Ulster Drive to Ulster Crescent	C/W Surface Treatment	1913	14
Pentland Avenue	Pentland Road to Gillespie Road	C/W Surface Treatment	677	8
Pentland Road	Spylaw Bank Road to Pentland Avenue	C/W Surface Treatment	2120	8
Pentland View	Colmestone Gate to Pentland Drive	C/W Surface Treatment	335	8
Pilrig St	Arthur Street to Dryden Street	C/W Surface Treatment	895	12
Pirniefeld Place	Prospect Bank Place to Prospect Bank Road	C/W Surface Treatment	853	13
Pleasance	Gilmour Street to New Arthur Place, East Adam Street to Drummond Street, St John's Hill to opposite Salvation Army Hostel	C/W Surface Treatment	5491	15
Restalrig Road	Restalrig Park to Prospect Bank Road and Marionville Road to Restalrig Gardens	C/W Surface Treatment	2040	13 & 14
Restalrig Square	From No.2 round square returning to No.2	C/W Surface Treatment	797	14
Russell Road	South end of railway bridge to sorting office corner and Roseburn Maltings to Roseburn Street	C/W Surface Treatment	1148	6
Society Road	Between No.s16-18 Society Road to Clufflat	C/W Surface Treatment	2295	1
Queensferry High Street	TBC	Project	TBC	
Frederick Street	TBC	Project	TBC	
Hanover Street	TBC	Project	TBC	
Home Street	TBC	Project	TBC	
Reid Terrace	Both sides Full Length, Hugh Miller Place-Reid Terrace	Footway	247	5
Ryehill Terrace	Both sides Full Length	Footway	419	13
Ryehill Terrace	As above	Footway	966	13
Hermitage Place and Vanburgh Place		Footway	992	13
Wardlaw Place		Footway	1,002	7
Learmonth Avenue		Footway	1,008	5
Gorgie Road		Footway	1,684	7

Ashley Terrace & Shandon Place	Slateford Road - Merchiston Grove	Footway	223	9
George Square	North Side from George Square Lane to Charles Street	Footway	TBC	15
Queensferry Road Kirkliston	East Side	Footway	235	1
Washington Lane	West Footway	Footway	133	7
Cowgate	South side of road from No. 2 to Livingstone house	Footway	658	11
Main Street, Ratho	South side of road from dalmahoy Rd Jct to Hillview Cottages Jct	Footway	807	2
Queensferry Road	South side from Drum Brae North, west to No.567	Footway	620	3
Ferry Road	South side of Street from Opp No. 6 to Opp Holy Cross Primary School	Footway	335	5
Cycle Track - Inverleith Pk	Inverleith Park at Inverleith Place	Footway	532	5
Warriston Terrace	Full Length Both Sides	Footway	306	5
Balmoral Place 1-15	West side only	Footway	80	5
Dean Park Street	Both sides Dean Park Mews north to Dean Park Mews on west side & Bedford Street on east side.	Footway	645	5
Stewart Terrace	North side - Sinclair Close north-east to Sinclair Gardens	Footway	190	7
Stewart Terrace	East side - Gorgie Road south-east to Wardlaw Terrace	Footway	582	7
Polwarth Gardens	No. 22 to No. 42 Polwarth Gardens	Footway	201	9
New Mart Road	South Side of road from Chesser Ave Jct to Leisure Centre entrance	Footway	735	9
Watson Crescent	Both sides - whole road	Footway	1,649	9
Viewforth	Both sides from bruntsfield Place Jct to Gilmore Place Jct	Footway	1,497	10
Springvalley Terrace	East side only - Springvalley Gdns to Cuddy Lane	Footway	337	10
Springvalley Gardens	Both sides - whole road	Footway	508	10
Waverley Park	Both sides, West side full length, East side from No. 6 Waverley Park Terrace to No. 27 Waverley Park	Footway	587	11
Newhaven Road Ph4	No. 46 Newhaven Road to Broughton Road East Side	Footway	641	12
Waverley Pl Carlyle Pl	Both sides Full Length	Footway	237	12
Regent Pl Waverley Pl	Both sides Full Length	Footway	275	12
Bellevue Road	Various Locations	Footway	461	12
East Claremont Street	Various Locations	Footway	852	12
Fingzies Place	Full Length East Side	Footway	95	13
Rosevale Place	Full Length West Side	Footway	75	13
Wellington Place	West Side of road from No. 1 to No. 12	Footway	251	13
Duncan Place Ph1	Various Locations	Footway	674	13
Dalgety Avenue	Both sides Full Length	Footway	542	14
Sunnybank Lwr London Rd	South Side Various Locations	Footway	451	14
Queen's Park Av	Various Locations	Footway	632	14
Whitehouse Loan	East side only - Grange Loan to Strathearn Road	Footway	802	15
Boys Brigade Walk	Whole path	Footway	908	15
Malta Terrace	Full Length North Side	Footway	128	5
Dean Bank Lane	Various Locations	Footway	91	5

Blair Street	Full Length East Side	Footway	234	11
Cowgate	North Side Candlemaker Row to Old Fishmarket Close	Footway	654	11
Lady Lawson Street	Lauriston Place to NO. 52 Lady Lawson Street	Footway	289	11
Lauriston Street	At No. 23 Lauriston Street	Footway	55	11
Thistle Street North East Lane	Various Locations	Footway	117	11
Abbeymount	Abbeyhill to Montrose Terrace	Footway	375	11
Morrison Street	Both sides, South side from Morrison Link Jct to No. 271, North Side from No. 250 to No. 254	Footway	369	11
Calton Road Ph2	West side from St Ninian's row Jct to Opp Calton Hill Jct	Footway	57	11
Dundas Street	Both sides - Great King Street to Heriot Row/Abercromby Place	Footway	1,269	11
Bathfield	West side only of both legs southwards from Lindsay Road.	Footway	91	13
North Junction Street	West side from No. 21 Nth Junction St to No. 8 Portland Terrace	Footway	716	13
Main Street, Ratho		Footway	807	2

Appendix 2

Capital Delivery 2017/18

SCHEME NAME	SECTION	TYPE	AREA	WARD
Cammo Road	No.26 to Lennie Gate	Carriageway	12000	1
Humbie Farm rd	Gillerhill south to point where road bends east at Swineburn	Carriageway	1470	1
Inchcolm Terrace	Full length	Carriageway	2380	1
Silverknowes Parkway	Silverknowes Road Lighting Point SKB 46	Carriageway	1280	1
Silverknowes Roundabout	Whole Roundabout including footways, lighting & drainage	Carriageway	2067	1
Bryce Crescent	Full length	Carriageway	1740	2
Calder Road	Addison to Dalmahoy	Carriageway	12750	2
Mansfield Road	Harlaw Rd to Cockburn Crescent	Carriageway	4850	2
Maybury Road	South Maybury northwards for approx 319m or thereby	Carriageway	1483	3
Turnhouse Road	West Craigs Crescent to service road at No.64 Turnhouse Road	Carriageway	2800	3
Camus Avenue	Camus Road West to Camus Road East	Carriageway	1950	4
Learmonth Gardens	Learmonth Grove to Learmonth Avenue	Carriageway	2192	5
Montagu Terrace	Both Sides from Ferry Road to No.57	Carriageway	1200	5
Redhall Crescent	Redhall Drive to Redhall Road	Carriageway	735	7
Hailes Park	Full length	Carriageway	1200	8
Hainburn Park	No. 1 to No. 9	Carriageway	770	8
Chesser Avenue	Whole Street	Carriageway	11613	9
Colinton Road	Craiglockhart Park to Craiglockhart Avenue	Carriageway	4950	9
Comiston Road	Maxwell Street up to Comiston Drive	Carriageway	6300	10
Canning Street	Both sides From No. 4 Canning Street to No. 22	Carriageway	540	11
Dundas Street/Great King Street	Great King Street to Fettes Row	Carriageway	2647	11
Manor Place	Melville Street to Chester Street	Carriageway	1031	11
Queensferry Street Lane	Whole Street	Carriageway	500	11
West tollcross	No.5 Ponton St to No.15 West tollcross	Carriageway	297	11
Bellevue Gardens	Whole Street	Carriageway	800	12
Leith Walk	Various Locations	Carriageway	3700	12
Great Junction Street	Bonnington Road to Bridge	Carriageway	4556	13
Ross Gardens	Ross Place to Mayfield Road	Carriageway	1215	15
A7 Old Dalkeith Road	Cameron toll R/B to Outside No.33	Carriageway	7760	16
A7 Old Dalkeith Road	Walter Scott Avenue to Ravenswood Avenue	Carriageway	2563	16
Little Road	Liberton Gardens to Burnhead Crescent	Carriageway	600	16
Niddrie Mains Road 1	East side of bus turning circle west to Niddrie Marischal Road	Carriageway	1440	17
Niddrie Mains Road 2	Craigmillar Castle Loan to Peffermill Road	Carriageway	4444	17
Niddrie Mains Road 3	Wauchhope Terrace to Niddrie Marischal Road	Carriageway	4699	17
Queensferry Road	Outside 540 to Whitehouse Road	Carriageway	1855	1
Queensferry Road	Barnton Park Drive to Parkgrove Avenue	Carriageway	4640	1
Queensferry Road	At Dean Park Crescent	Carriageway	1022	5
Telford Road	Groathill Road North to Groathill Road South	Carriageway	3627	5

Rannoch Road	Outside no.59 Rannoch Road to Alan Breck Gardens	Carriageway	521	3
Barnton Gardens	Barnton Park to o/s No.s31-22 Barnton Gardens	Carriageway Surface Treatment	2440	1
Braid Hills Drive	Howe Dean Path to Braid Hills Road (no 47)	Carriageway Surface Treatment	3434	1
C157 - Kirkliston to Burnshot	Hillside Road (east junction) to Riverside Road	Carriageway Surface Treatment	2232	1
Cramond Road North	Cul-de-sac at No. 16 to Cramond Glebe Road	Carriageway Surface Treatment	3150	1
Midmar Drive	Cluny Drive to Hermitage Drive	Carriageway Surface Treatment	4113	2
Corbiehill Road	Corbiehill Avenue to Vivian Terrace	Carriageway Surface Treatment	1203	5
Craigcrook Place	Keith Row to Craigcrook Road	Carriageway Surface Treatment	1023	5
Craigcrook Road	Various Locations	Carriageway Surface Treatment	7661	5
Davidson Road	Grigor Avenue to Davidson Park	Carriageway Surface Treatment	1714	5
East Fettes Avenue	Inverleith Place to Carrington Road	Carriageway Surface Treatment	9688	5
Gardiner Road	Jeffrey Avenue to House O hill Terrace	Carriageway Surface Treatment	1806	5
Glenogle Road	Hugh Miller Place to Rintoul Place	Carriageway Surface Treatment	3990	5
House O'hill Avenue	Corbiehill Avenue to House O hill Grove	Carriageway Surface Treatment	2754	5
House O'hill Road	Drylaw Crescent to Corbiehill Avenue	Carriageway Surface Treatment	2573	5
Maidencraig Crescent	Between No.38-44 Maidencraig Cres to Maidencraig Grove	Carriageway Surface Treatment	3535	5
Bankhead Medway	Bankhead Place to Bankhead Broadway	Carriageway Surface Treatment	2517	7
Saughton Road SR	Jnc o/s No.8 Saughton Road to Saughton Mains Loan	Carriageway Surface Treatment	910	7
Braid Crescent	Comiston Drive to Braid Road	Carriageway Surface Treatment	936	10
Braid Farm Road	Braid Hills Avenue to Braid Hills Road	Carriageway Surface Treatment	4280	10
Braid Hills Avenue	Braid Farm Road to Braid Hills Crescent	Carriageway Surface Treatment	1368	10
Greenbank Crescent	Greenbank Grove to Greenbank Row	Carriageway Surface Treatment	2926	10
Albion Road	Albion Terrace to stadium	Carriageway Surface Treatment	1800	12
Blackford Avenue	Oswald Road to South Oswald Road	Carriageway Surface Treatment	3752	15
Holyrood Park Road	Dalkeith Road to sub station	Carriageway Surface Treatment	4200	15
Brae Park Road	Craufurdland to Dowies Mill Lane	Carriageway Surface Treatment	1960	1
Dundas Place	Almondhill Road to jnc with branch south at No.18 Dundas Place	Carriageway Surface Treatment	1445	1
Plewlandcroft	Hopetoun Road to number 7	Carriageway Surface Treatment	852	1
Scotstoun Park	Number 1 to number 29	Carriageway Surface Treatment	3410	1

Kingsknowe Avenue	Kingsknowe Terrace to Kingsknowe Road South	Carriageway Surface Treatment	2354	2
Kingsknowe Drive	Kingsknowe Avenue to Kingsknowe Crescent	Carriageway Surface Treatment	2916	2
Burnbrae	Full length	Carriageway Surface Treatment	3354	3
Craigs Gardens	Various Locations	Carriageway Surface Treatment	2925	3
South Gyle Road	Cul de sac at no 241 to cul de sac at no 275	Carriageway Surface Treatment	4050	3
Belford Road	Sunbury Mews to Douglas Gardens Mews	Carriageway Surface Treatment	1100	5
Craigleith Hill Avenue	Various Locations	Carriageway Surface Treatment	3717	5
Dean Park Street	Bedford Street to Dean Park Mews	Carriageway Surface Treatment	699	5
Hillpark Avenue	Hillpark Gardens to Hillpark Drive	Carriageway Surface Treatment	947	5
Bankhead Loan	Bankhead Avenue to Bankhead Place	Carriageway Surface Treatment	1015	7
Broomhouse Place South	Broomhouse Bank to Broomhouse Walk	Carriageway Surface Treatment	2119	7
Allan Park Drive	Allan Park Gardens to Allan Park Road	Carriageway Surface Treatment	2306	9
Craiglockhart Bank	Craiglockhart Loan to end of cul-de-sac	Carriageway Surface Treatment	910	9
Craiglockhart Road	Craiglockhart Crescent to Craiglockhart Quadrant	Carriageway Surface Treatment	3533	9
Claremont Road	Blackie Road to Claremont Park	Carriageway Surface Treatment	2422	13
Coillesdene Crescent	Joppa Terrace to Coillesdene Drive	Carriageway Surface Treatment	3253	17
Wardie Square		Footway	TBC	4
Saughtonhall Drive		Footway	TBC	6
Princes Street		Footway	TBC	11
Cliftonhall Road		Footway	TBC	1
Lennox Street		Footway	521	5
Douglas Crescent - Phase 1		Footway	522	11
Douglas Crescent - Phase 2		Footway	948	11
MacDowell Road	Full Length Both Sides	Footway	720	15
Boswall Terrace		Footway	1053	4
Queensferry Street Lane		Footway	TBC	11
Bellevue Gardens	Both sides Full Length	Footway	TBC	12