
ABERDEEN CITY COUNCIL

COMMITTEE	City Growth & Resources Committee
DATE	11th May 2021
EXEMPT	Report – No Appendices – Yes, Paragraph 10 Schedule 7A (8) of the Local Government (Scotland) Act 1973. 'This report refers to the acquisition or supply of goods/services where disclosure to the public of the amount to be spent would be likely to give an advantage to a person or organisation seeking to enter a contract with the Council.'
CONFIDENTIAL	No
REPORT TITLE	Roads and Transport Related Budget Programme 2021-2022
REPORT NUMBER	OPE / 21 / 096
DIRECTOR	Rob Polkinghorne
REPORT AUTHOR	Doug Ritchie
TERMS OF REFERENCE	CG&R – 1.1, 2.1.1 & 2.2

1. PURPOSE OF THE REPORT

- 1.1 To have specific schemes for 2021/22 and additional provisional programmes for 2022/23 approved, and to bring forward proposals for spending the administration's 2018 budget for road improvements in the capital programme: all of which are vital and business critical.

2. RECOMMENDATIONS

- 2.1 Approves the schemes listed in the appendices as the detailed proposals for expenditure within each budget heading;
- 2.2 Instructs the Chief Officer of Operations and Protective Services following consultation with the Head of Commercial and Procurement Services, to undertake or instruct appropriate procedures in accordance with the council's procurement regulations to procure the works referred to in the exempt appendices for the roads capital budget programme for the financial year 2021/22 and award contracts relating thereto; and
- 2.3 Note that officers continue to work with contractors on the financial implications and delivery of the programme in 2020 / 21 and implications for future works, as a result of the COVID-19 virus requiring changing work practices, lack of suppliers and resources across the full programme of projects.

3. INTRODUCTION

- 3.1 This report brings together the proposed roads and transportation programme from the approved capital budgets for 2021/2022. This is presented as a provisional programme. Members are asked to approve the specific schemes where detailed and the additional provisional reserve programmes for 2022/23. This report should be read in conjunction with the exempt appendices.
- 3.2 This report also includes the decision from the Council meeting on 10/3/2021 which instructed the Chief Officer – Operations and Protective Services, in conjunction with the Chief Officer – Capital to bring forward the proposals to spend the remaining £6.6 million of the additional £10 million roads investment as part of the Administration budget in 2018 to advance the delivery of roads improvements included in the capital programme.
- 3.3 It is vital and business critical that these schemes are approved at the City Growth & Resources Committee to allow officers to continue with the designs and procurement preparations of the numerous capital schemes / contracts. A small number of these schemes have already commenced from the 1st April 2021 to allow the approved capital budget to be delivered during the short weather window for such works between 1-4-21 and 31-10-21

4. BACKGROUND

- 4.1 It is important to acknowledge that the design development and construction of capital projects has been impacted by the COVID-19 pandemic.
- 4.2 During 2020 / 2021 capital schemes previously approved last year from both the capital programme and the additional capital programme were severely disrupted and we lost 5.5 months of our normal 7 month weather window. Many of the capital schemes approved last year at the Urgent Business Committee on 6th May 2020 will be implemented this financial year and have not been included in this year's report.
- 4.3 The exception to 4.2 above relates to the programme for the delivery of the remaining £6.6 million of the additional £10 million of roads investment. The full programme of all the remaining budget is detailed within appendix Q1,Q2,Q3.
- 4.4 Further, we have received correspondence from the Minister for Local Government, Housing and Planning providing further guidance and indicating the “fall off of in projects progressing in the pre-procurement stage”. To address this issue we are progressing these projects by way of this report to support the construction industry during this period.
- 4.5 This report brings together, for members' information, the proposed programme for capital funding spend for both Roads and Transportation for 2021/2022 together with provisional reserve list programme for 2022/2023.
- 4.6 The provisional reserve programme for 2022/2023 will allow substitution of schemes should it not be possible to implement any of the proposed 2021/2022 schemes.
- 4.7 The appendices set out the proposed programme of works which will be funded through the approved capital budgets of the council together with linkages to the community action plans.

A summary of the relevant appendices in relation to the individual schemes are as follows with further information detailed under item 10 below:

A.	Traffic lights and pedestrian crossings	£392,000
B.	Lighting Improvements	£3,146,000
C.	Reserve lighting improvements	(For approval if required)
D.	Cycling Walking Safer Routes	£1,001,000
E.	Footway resurfacing	£600,000
F.	Reserve footway resurfacing	(For approval if required)
G.	Carriageway resurfacing	£2,288,000
H.	Reserve carriageway resurfacing	(For approval if required)
J1.	Drainage	£90,000
J2.	Reserve drainage programme	(For approval if required)
K.	Weak and Major Bridge repairs	£230,000
	Road sign replacement	£30,000
L.	Flooding and Coastal protection schemes	£1,360,000
O.	A92 / A96 – detrunked section programme 2020/21	£1,457,500
P.	Reserve list for A92 /A96	(For approval if required)
Q1.	Additional Investment in Roads	
	Capital allocation 2020/21	£3,000,000
R.	NESTRANS Related works	£105,000
		<u>Total £13,699,500</u>

N.	Revenue Works (for Information only)	Total £5,837,000
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4.8 Estimated costs for the individual proposed works are included in the exempt appendices to the report which are contained in the exempt section of the agenda. These are exempt as some schemes will be put out to tender in the open market.

4.9 The proposals are in line with the transportation strategy to provide safe crossing, cycling and walking facilities and reduce traffic speeds thereby contributing to accident reduction across the city and improve safety for all road users.

4.10 The use of such funding will significantly enhance the council's ability to meet the aims and objectives of the emerging Aberdeen Local Transport Strategy 2015- 2020.

4.11 The approval of the programme is part of our COVID 19 economic response to stimulate the local economy through our material suppliers / consultants and local contractors, as the schemes are moved forward and commissioned.

5. COVID 19 PANDEMIC IMPACT ON THE CAPITAL PROGRAMME

5.1 On Thursday 28 May 2020, the Scottish Government approved a phased return to construction work but advised that works would have to be undertaken in a different manner.

Since this time the Scottish Government guidance has been constantly reviewed and updated with every change to the requirements. Some of these have limited our programme delivery.

- 5.2 This phased approach requires contractors to prepare site assessments for COVID – 19 modifications and develop any necessary new procedures.
- 5.3 Officers have been working closely with some contractors / suppliers since works resumed in August 2020 and we already know that this phased approach is introducing additional costs and delays, commissioning contracts and purchasing materials.
- 5.4 The following table shows an indicative list of changes in work practices which have been initiated across some of the capital projects once construction works resumed. These can be summarised as follows: but not limited to;

Issue	Mitigation
Safety	Review of risk assessment method statements, additional Personal Protective Equipment (PPE)
Physical Distancing	Review of risk assessment method statements
Welfare	Facilities to be re-configured to ensure physical distancing requirements are met.
Cleaning	Additional cleaning of welfare facilities and site accommodation
Deliveries and Visitors	Additional staff to be employed to manage access and egress from the sites, coordinate deliveries and carry out health checks prior to allowing access to the sites.

- 5.5 The amount of necessary change in work practices will be project specific as it will depend on the project nature, its size, location, what stage it is at in its delivery, the tasks underway and the tasks still outstanding and what impact this will have on the project's critical path and the overall capital programme.
- 5.6 Supply chain capacity and in particular quarries are likely to pose another significant risk to the planned project(s) delivery following the COVID-19 pandemic. The supply industry faces the same challenges listed above with regards to labour, plant and materials.
- 5.7 Prior to a project's tender issue, tendering parties are now aware of the very high likelihood of project risk delivery impact from the COVID-19 virus.
- 5.8 Typical legal, financial and construction matters for consideration in these discussions are as follows, but not limited to:
- Scottish Government guidance
 - Risk assessments
 - Payment arrangements
 - Additional costs
 - Delay, extensions of time
 - Liquidated damages
 - Loss and expense
 - Critical tasks
 - Critical supplies
 - Communication with stakeholders
 - Scenario analysis and contingency planning

5.9 It is inevitable that the COVID-19 pandemic has introduced time and cost pressures on all parties. It should also be borne in mind that there is no precedent to help the contracting parties to understand what the potential future impacts may be or when restrictions may end.

6. FINANCIAL IMPLICATIONS

6.1 Expenditure will be in accordance with the council's approved capital budgets for 2021 - 2022.

7. LEGAL IMPLICATIONS

7.1 There are no direct legal implications arising from the recommendations of this report.

8. MANAGEMENT OF RISK.

	Risk	Low (L), Medium (M), High (H)	Mitigation
Financial	<p>Footway and cycleway improvements recommended in this report have no identified maintenance budget of their own and may therefore impact on the council's maintenance budgets in the future</p> <p>Increase in insurance claims</p> <p>COVID 19</p>	H	<p>This will be minimised, however, by the use of high-quality design and installation materials to ensure longevity of new infrastructure</p> <p>Inspection regime</p> <p>Depending on the length of the current lockdown and future restrictions due to the pandemic, this may affect the delivery of the capital programme</p>
Legal	<p>There are risks in promoting traffic regulation orders due to possible public objection and this may delay the progression of some of the proposed schemes</p> <p>Lack of investment in roads will increase claims against the council</p>	L	<p>Ensure that orders are progressed taking into account the longest possible time required to deliver</p> <p>Continue to prioritise spend in order to repair higher used higher damaged roads and footpaths</p>
Employee	Staff resources		The approval of the budget spends will allow staff to control the programming of the works.

	COVID 19	H	<p>There is a need to ensure that there are sufficient adequately trained staff resources to deliver the proposed programmes within the specified timescales</p> <p>Depending on the length of the current lockdown and future restrictions due to the pandemic this may affect the delivery of the capital programme</p>
Customer	Increased perception of poor quality road infrastructure	H	The implementation of the programme will assist roads and footways within the city being maintained to an acceptable standard thus increasing ease of travel whilst reducing the risk to all members of the travelling public
Environment	The risks of inaction (not improving and increasing pedestrian and cycle infrastructure) are also significant in terms of a poor quality environment, poor reputation for Aberdeen and a decline in active travel which would have significant implications for the health and wellbeing of the citizens of Aberdeen	M	Consideration of any potential environmental impacts during the implementation of the roads programme and the identification of appropriate mitigation in consultation with appropriate Council Officers and bodies
Technology	Lack of asset management information to deliver annual work programme	M	Carry out a digital asset survey of the city roads infrastructure in order to manage the spend over several years to continue to optimise our use of resources to continue to provide best value
Reputational	Lack of investment in roads will increase claims against the council and may result in negative publicity	M	Continue to prioritise spend in order to repair higher used higher damaged roads and footpaths

9. OUTCOMES

<u>COUNCIL DELIVERY PLAN</u>	
Impact of Report	
<p>Aberdeen City Council Policy Statement <i>1, Access the digital needs of the region, working with our partners to ensure the</i></p>	<p>Continue with the digital workstreams which have been approved, through the City Region Deal, by the UK and Scottish governments. .</p>

<p><i>city has the required infrastructure</i></p> <p><i>3. Refresh the Local Transport Strateg, ensuring it includes the results of a city centre parking review, promotes cycle and pedestrian routes, and considers support for public transport.</i></p> <p><i>5, Commit extra funding to resurface damaged roads and pavements throughout the city.</i></p>	<p>£10 million extra funding provided over a 4 year period. Projects in 2018/19 where capital was allocated have been completed.</p> <p>Continue with the introduction of the rolling programme of Roads Capital to develop optioneering and detailed designs to implement schemes and improve the road network.</p> <p>This report will also involve consultation with ACC’s Place Planning staff and possibly the local community and may present opportunities in terms of locality planning.</p>
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Aberdeen City Local Outcome Improvement Plan

<p>Prosperous Economy Stretch Outcomes</p> <p>Stretch Outcome 14. Reducing emissions across the city through delivery of Aberdeen’s Sustainable Energy Action Plan ‘Powering Aberdeen’</p>	<p>Proposals support LOIP stretch outcome 14.1 by reducing road congestion to improve air quality and reduce emissions</p> <p>Proposals support LOIP stretch outcome 14.2 by introducing measures to reduce the costs of damages incurred due to flooding; snow/ ice; and other severe weather incidents</p> <p>Increase community participation in winter maintenance and other resilience issues</p>
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<p>Prosperous Place Stretch Outcomes</p> <p>Stretch Outcome 15.1. Supporting different ways for active travel in everyday journeys, using partners and volunteers to address safety, infrastructure, fitness, well-being and confidence.</p>	<p>The proposals in this report support the delivery of LOIP stretch outcome 15 by creating a safer environment on the road network. Road safety measures help reduce accidents and can help increase walking and cycling.</p> <p>Increase the amount of space for walking and cycling, through the Sustainable Urban Mobility Plan and Local and Regional Transport Strategy, developing safe routes that support and encourage active travel</p> <p>Implement the active travel action plan to encourage walking and cycling</p>
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<p>Regional and City Strategies</p>	<p>The proposals within this report support the Strategic Development Plan / Regional Transport Strategy and City Region Deal plan by improving transport links, reducing congestion and developing resilience to flooding and protecting local businesses and residents.</p>
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<p>UK and Scottish Legislative and Policy Programmes</p>	<p>National Transport Strategy</p> <p>Overarching all the policies contained within it, the NTS embeds a Sustainable Travel Hierarchy in decision-making by promoting walking, wheeling, cycling, public transport and shared transport options in preference to single occupancy private car use for the movement of people.</p> <p>As above, this report supports this policy.</p>
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10. IMPACT ASSESSMENTS

Assessment	Outcome
Equality & Human Rights Impact Assessment	This report has no direct implications in relation to Equalities and Human Rights Impact Assessment.
Privacy Impact Assessment	Not required
<u>Children's Rights Impact Assessment/Duty of Due Regard</u>	Not applicable

11. BACKGROUND PAPERS

http://www.audit-scotland.gov.uk/docs/central/2010/nr_110216_road_maintenance.pdf
<http://www.transportscotland.gov.uk/report/j234326-02.htm>
RAMP Report to CH&I Committee 24 Jan 2017

Minute of the Urgent Business Committee 6th May 2020

<http://councilcommittees.acc.gov.uk/ieListDocuments.aspx?CId=334&MId=7418&Ver=4>

12. APPENDICES

The full list of appendices A to X are detailed below:

Please note that the individual scheme costs have not been included as appendices A to R are included in the exempt section of the agenda. These are exempt as some schemes may be put out to tender in the open market.

Appendix A: Traffic lights and pedestrian crossings. A capital budget of **£392,000** has been allocated to allow the continued modernising of the systems across Aberdeen, corridor delays are reduced by the upgrading of these outmoded systems ensuring improved connectivity and greatly minimising potential delays caused by the need to obtain outdated parts.

Appendix B: Lighting improvements. Planned lighting improvements have been allocated a capital budget of **£3,146,000**. **£1,200,000** will be used, in the majority, for the replacement of lighting columns that have been identified as potentially dangerous or beyond their design life. **£1,946,000** has been allocated to change the existing lanterns to low energy and LED lighting, this will reduce the energy bill and CRC payments whilst also lowering Aberdeen City Council's carbon footprint.

Appendix C: Reserve lighting improvements. The provisional reserve programme for 2021/2022 will allow substitution of schemes should it not be possible to implement any of the proposed 2021/2022 schemes.

Appendix D: Cycling Walking Safer Routes. A grant of **£1,001,000** has been awarded by the Scottish Government for Cycling Walking Safer Routes (CWSR) projects in Aberdeen. The programme for these works are detailed in appendix D and will provide significant road safety benefits in an effort to achieve accident reduction as well as reduce the number and severity of injuries sustained in road traffic accidents

across the city. All schemes will be implemented as soon as possible subject to the successful promotion of any required legislation.

Road safety schemes: Included in CWSR budget.

Appendix E: Footway resurfacing. A budget of **£600,000** has been allocated for footway resurfacing. The programme has been formulated on the basis of detailed surveys and targeted at footways categorised as being in a bad or poor condition. The condition of sections of footway included in the programme are shown in the report under **Assessed condition**, in order to maintain a standard level of comparison all footways have been assessed by the same person.

Appendix F: Reserve footway resurfacing. The provisional reserve programme for 2021/2022 will allow substitution of schemes should it not be possible to implement any of the proposed 2021/2022 schemes.

Appendix G: Carriageway resurfacing. The capital carriageway resurfacing programme has been allocated a budget of **£2,288,000**. The programme is generally prepared on the basis of the results of the road condition surveys of the existing infrastructure.

Appendix H: Reserve carriageway resurfacing. The provisional reserve programme for 2021/2022 will allow substitution of schemes should it not be possible to implement any of the proposed 2021/2022 schemes.

Appendix J1: Drainage. A capital budget of **£90,000** has been allocated for the drainage works.

Appendix J2: Reserve drainage programme. The provisional reserve programme for 2021/2022 will allow substitution of schemes should it not be possible to implement any of the proposed 2021/2022 schemes.

Appendix K: Major bridge repairs. A capital budget of **£30,000** has been allocated for bridge surveys and **£200,000** for major bridge works.

Road sign replacement: A capital budget of **£30,000** has been allocated for the road sign replacement programme.

Appendix L: Flooding and coastal protection schemes. A capital budget of **£1,360,000** has been allocated for the initial design works for flood prevention and coastal protection schemes.

This appendix also includes the sum of £300K to fund the development of optioneering and detailed design options for coastal management works aimed at starting construction in the area between Footdee and groyne 7 in approximately 5 years time. It will also include schemes required for the existing sea defence structures.

Appendix M: is a summary of the proposed capital Budget.

Appendix N: is a summary of the proposed Revenue Budget (for information only)

Appendix O: A92, A96 De-trunked roads, resurfacing: main list 2021/22

is the proposed programme of works to be carried out on the A92 / A96 – detrunked section of road during 2021 / 22. These works will be funded from the money allocated from Transport Scotland. **£1,457,500**

Appendix P: A92, A96 De-trunked roads, resurfacing: reserve list 2021/22

The provisional reserve programme for 2021/2022 will allow substitution of schemes should it not be possible to implement any of the proposed 2021/2022 schemes

As of 19th February 2019 the AWPR Special Road scheme became operational. On 1st April 2019 sections of the existing trunk road (A92 / A96) were detrunked and became part of the local authority road network. The schemes listed under appendices O & P are already failing and are required to be carried out to bring these sections up to an acceptable standard.

These schemes form part of the final settlement of funding from Transport Scotland and a further report will be presented to elected members at a later date on this subject.

Appendix Q: Additional capital allocation. An additional capital budget of **£10 million** has been allocated to the roads service to be spent over years 2018-19 through to 2022-23. This additional capital funding is split as follows:

2018-19 - £500K – (Completed)

2019-20 - £2.5 Million –(Completed)

2020-21 - £3.0 Million- (Partially completed and remainder C/F to 2021/22)

2021-22 - £4.0 Million

The proposed schemes for implementation during 2021-22

Carriageway Resurfacing Repairs	£1,976,296
Junctions / Utility Tracks / Recurring Pothole Areas	£486,602
Additional Investment in Footways	£ 537,122
Total	£3,000,000

The proposed schemes for implementation during 2022-23

Carriageway Resurfacing Repairs	£1,000,000
Junctions / Utility Tracks / Recurring Pothole Areas	£300,000
Additional Investment in Footways	£375,624
Total	£1,675.624

Appendix Q1 - Schemes proposed for allocation of Additional investment in Roads for 2021-2022.

Appendix Q2 - A summary of Additional investment in Roads expenditure to the end on year 2020-2021.

Appendix Q3 - Additional Investment in Roads expenditure previously committed to be completed.

Appendix R: NESTRANS contribution for maintenance works. This sum of **£105,000** is to be used on strategic corridors towards resurfacing works for 2021 / 22.

Appendix S: provides an explanation of the road condition index.

Appendix T & U: is copy of the table showing the RCI for all councils across Scotland, in the period 2018-2020 and 2019-2021. The RCI is the extent of the network requiring maintenance work, consequently the lower the number the better the network condition.

Appendix V & W: shows the road condition index for the single year

Appendix X: shows the movement in the road condition index between 2004 and 2020.

The condition of sections of carriageway included in the programme are shown in the report under **Assessed condition**, in order to maintain a standard level of comparison for all road surfaces having been assessed to the same criteria. Due to many road surfaces have suffered continued deterioration since the road condition survey was carried out staff will continue to reassess all roads, this reassessment could necessitate changes to the proposed programme during the financial year.

13. REPORT AUTHOR CONTACT DETAILS

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Appendix A – Traffic Lights and Pedestrian Crossings Programme 2021/22

ITS Unit Traffic Signal Refurbishment Programme 2021/22

No	Site	Budget	Installation	Type	Estimated Cost
1	George Street / St Andrew Street	ITS Capital	Refurb'	Junction	Exempt
2	John Street / Charlotte Street.	ITS Capital	Refurb'	Junction	Exempt
3	Victoria Street / Pitmedden Road	ITS Capital	Refurb'	Junction	Exempt
4	St Andrew Street / Charlotte Street	ITS Capital	Refurb'	Junction	Exempt
5	Laurel Drive / Tesco access	ITS Capital	Refurb'	Junction	Exempt
6	Provost Watt Dr @ Great Southern Rd	ITS Capital	Refurb'	Dual Toucan	Exempt
7	Great Northern Road @ St Machar Drive North	ITS Capital	Refurb'	Puffin	Exempt
8	Jesmond Drive @ Glashieburn primary	ITS Capital	Refurb'	Puffin	Exempt
9	Skene Road near Groats Road	ITS Capital	Refurb'	Puffin	Exempt
10	Queens Road @ Forest Avenue	ITS Capital	Refurb'	Puffin	Exempt
					£392,000

ITS Unit Traffic Reserve Signal Refurbishment Programme 2021/22

No	Site	Budget	Installation	Type	Estimated Cost
11	Hilton street / Clifton road	ITS Capital	Refurb'	Junction	Exempt
12	Langstracht / Fernhill road	ITS Capital	Refurb'	Junction	Exempt
13	Hutcheon Street / Lidl	ITS Capital	Refurb'	Junction	Exempt
14	St Devenicks Bridge	ITS Capital	Refurb'	Junction	Exempt
15	Riverside Drive @ Great Southern Road	ITS Capital	Refurb'	Puffin	Exempt
16	Queens Road @ Woodend Hospital	ITS Capital	Refurb'	Puffin	Exempt
17	West Tullos Road @ Provost Watt Drive	ITS Capital	Refurb'	Dual Puffin	Exempt
18	Earns Heugh Road @ Loirston Close	ITS Capital	Refurb'	Puffin	Exempt
19	College Street near Guild Street	ITS Capital	Refurb'	Puffin	Exempt
					£388,000.00

Appendix B – Proposed Lighting Capital Programme 2021/22

Scheme	Estimate £'000	Comments
Corroded Column Replacement		
Mannofield/ Braeside/ Airyhall Corroded Cols	exempt	17 cols
Ferryhill Corroded Cols	exempt	22 cols
Garthdee/ Ruthrieston Corroded Cols	exempt	6cols
Wall box/ feeder Pillar replacements	exempt	30 number
Ann Street corroded column replacement	exempt	6 cols
Craigiebuckler/ Hazlehead - Corroded Cols	exempt	36 cols
Rubislaw - Corroded Cols	exempt	34 cols
City Centre - Corroded Cols	exempt	55 cols
Hanover/ Harbour - Corroded Cols	exempt	20 cols
Rosemount/ Kings Gate- Corroded Cols	exempt	35 cols
Summerhill - Corroded Cols	exempt	32 cols
Replacement of corroded bollards with Weebols	exempt	100number
Immediate replacements of Corroded Columns	exempt	75cols
Corroded Replacement Total	500	
Capital		
Electrical Testing	exempt	5500units
Structural Testing	exempt	3000units
Column/ Cable replacements		
<i>8/10 m Height</i>		
Cloverhill Road	exempt	3 columns
Column replacements in conjunction with carriageway resurfacing programming	exempt	55 cols, trackwork and SSE
Groats Road	exempt	9 columns
Beach Boulevard R/A	exempt	4 columns
A947, R/A @ Marriott, Dyce	exempt	5 columns
Kings Gate Concrete Column replacement - various	exempt	27 columns
Spital Walk	exempt	replace lobby services with cabled network
Concrete Column replacement – Phase 1	exempt	32 columns
	exempt	
<i>5/6 m Height</i>	exempt	
Lane Hamilton Pl/ Carden Pl	exempt	strainer cols replacement 7 poles + tracking
Provost Fraser Dr - Inset Rd at Beech Rd	exempt	8 Cols
Woodend area – underground network improvements	exempt	
Northcote area	exempt	17 Conc column replacement
Benbecula Road	exempt	3 cols + tracking / SSE
Willowpark area	exempt	9 Conc column replacement
Kings Cross area	exempt	23 Conc column replacement
Additional lighting requirements due to LED programme	exempt	25 columns
Column replacements in conjunction with carriageway resurfacing programming	exempt	39 cols
Footways / Resurfacing Contract	exempt	
Capital Total	700	
Total Capital and Column Replacement £'000	£1,200	
LED Replacement Programme		
LED replacement programme City Wide	£1,946	
Total Street Lighting	£3,146	

Appendix C – Proposed Lighting Reserve Capital Programme 2021/22

Scheme	Estimate £'000	Comments
Corroded Column Replacement		
Hilton Corroded Cols	exempt	
Seaton/ Old Aberdeen Corroded Cols	exempt	
Woodside Corroded Cols	exempt	
Kittybrewster Corroded Cols	exempt	
Stockethill Corroded Cols	exempt	
Mastrick/ Sheddocksley Corroded Cols	exempt	
Corroded Replacement Total	185	
Capital		
8/10 m Height		
King Street/ St Machar R/A	exempt	11 columns
Concrete Column replacement - various	exempt	Phase 1
5/6 m Height		
Concrete Column replacement - various	exempt	Phase 1
Woodend Area - underground network	exempt	replace cable with SSE feeds
Benbecula Road	exempt	3 cols + tracking / SSE
Mearns St	exempt	additional cols
Laurel grove	exempt	additional cols
Fittick Pl lane, Cove	exempt	additional cols
Howes Rd - from Davidson Dr	exempt	additional cols
Capital Total	£325	
Concrete Columns 8 to 10m		
Hilton Dr	Greenfern Rd	
Hilton Rd	Long Walk Rd	
Springfield Rd	Provost Fraser Dr	
Provost Rust Dr	Springhill Rd	
A947 - polo gdns to stoneywood park	Upper Mastrick Way	
Victoria st, dyce	Union Grove	
Manor Ave- prov. Rust to Logie tce	Westburn Drive	
Rosehill Dr		
Cairncry Rd		
Countesswells rd		
Concrete Columns up to 6m		
Birkhall parade	Kingsford rd	
Cairnwell dr	Lewis rd car parks	
Colonsay cres	Maidencraig pl	
Dinbaith pl	Mull way	
Jura pl	Sheddocksley dr	
Kingsford rd	Stroma tce	
Lewis rd car parks	Tiree cres	
Maidencraig pl	Windford rd	
Mull way	Windford sq	
Sheddocksley dr	Whinhill Gdns	
Stroma tce	Kingsford rd	
Tiree cres	Lewis rd car parks	
Windford rd	Maidencraig pl	
Windford sq	Mull way	
Whinhill Gdns		

Appendix D – Cycling, Walking Safer Routes 2021/22

Proposals	Description of Work.	Breakdown of Projects	Overall Budget	Element
01- Walking network	Where reviews or investigation shows a requirement for small improvements to pedestrian routes, including tactile paving, additional path network, pedestrian guard-rails, toucans or pelican crossings	Budget for design and implementation at various locations City wide. Local Councillors to be kept appraised. Over 30% allocated for installation of dropped kerbs on previously identified routes.	exempt	Walking
02- Road safety around schools	Measures to support and encourage walking and cycling to school including missing path network speed limit reductions, parking measures and educational events	Small scale measures at schools throughout the city including path upgrade in Airyhall.	exempt	Walking/ cycling
03- Cycling infrastructure	Small scale cycling facilities, links, parking, lining & signing throughout the City to improve and expand the network	Budget for implementation at various locations City Wide. Schemes include continuation of Dyce Drive Cycle/ Pedestrian provisions, i-bike contribution and small scale measures as determine necessary in line with the LTS.	exempt	Cycling
04- Traffic management measures	Small scale improvements to signing & lining and new works associated with traffic management and traffic regulation orders.	Budget for implementation at various locations City wide. Local members to be kept appraised.	exempt	Safer Routes
05- Road safety general	Route action work on various routes and locations citywide that have been identified for improvements from the annual accident scan.	Signing, lining and ancillary works as identified.	exempt	Safer Routes

06- Campaigns and events	Publicity in relation to Road Safety Campaigns & Community Safety, publicity in relation to Promotion of Bike Week, Cycle Map, Rider Refinement, Other Cycling Initiatives across the City, Green Transport Week & European Mobility week.	Budget for Aberdeen City Contribution Local Transport Strategy Policy / Proposal SP1.	exempt	All
07- Public Transport Improvements	Small scale or minor amendments to or updating of bus infrastructure.	Including bus gate at College Bounds, waiting areas for passengers and turning circle improvements.	exempt	Safer Routes
08- Aberdeen City Council Road Safety Plan	Review of current plan and implementation of targets identified in the ACC RSP	Implementation of 20mph zones in residential, shopping areas and schools.	exempt	All
10- Project	King Street/ St Machar Drive roundabout replacement with signalised junction.	Further modelling, consultation, land negotiations and contract preparation for signalisation of junction to improve safety for all users.	exempt	All
11- Project	GoABZ Discover app development	Supporting the inclusion of walking trail mapping	exempt	Walking
12- Project	Friarfield Traffic Calming	50% contribution to be matched by developer.	exempt	Safer Routes
13- Project	Hilton Road/ Hilton Drive junction and route review leading to design and implementation of measures.	Estimated cost of scheme dependant on extent of measures proposed.	exempt	Safer Routes
14 - Project	Resurfacing of Old Lang Stracht for improved cycle and public transport provision.	Resurfacing of cycle route	exempt	Cycling
15 - Infrastructure	Traffic signal/ pedestrian crossing upgrades citywide	Installation of LED	exempt	All
16 - Infrastructure	Supply of high visibility LED zebra beacons to be installed through the maintenance process.	Beacons for citywide use.	exempt	All
TOTAL (CWSR)			£1,001,000	

Appendix E - Capital Footway: Main List 2021/22

Capital Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Various Locations	Tree Removals and Footway Reinstatements	N/A	N/A	exempt
Various Locations	Tree Stump Removals and Footway Reinstatements	N/A	N/A	exempt
Various Locations	Small Capital schemes individually under £15000 in value - both bitmac and slabbed/pavior locations	N/A	N/A	exempt
Various Locations	Grind tree stumps and reinstate footway in bitmac or slabs	N/A	N/A	exempt
Various Locations	Removal of old disintegrating (vibrated stone) kerbs and renew with concrete kerbs in footways in reasonable condition. Minimum amount of reinstatement to rear and front of kerbs	N/A	N/A	exempt
Various Locations, city centre	Install City Centre Bollards and resurface footway in slabs	N/A	N/A	exempt
Woodburn Cescent	Inner and outer footways, Reset granite kerbs and resurface in bitmac.	70	1330	exempt
Rubislaw Park Road	West Footway From Queens Road to Springfield Avenue	70	267	exempt
Countesswells Avenue	West Side Footway. Renew kerbs and resurface in bitmac.	70	1138	exempt
Denmore Gardens	Cairnfold Road to Balgownie Road. Renew kerbs and resurface in bitmac.	69	1218	exempt
Longview Terrace	Northside Footway. Renew kerbs and resurface in bitmac.	69	199	exempt
Wilkie Avenue	East side Footway. Reset selected granite kerbs and resurface in bitmac.	69	420	exempt
Countesswells Crescent	Outer footway. Reset selected kerbs and resurface in bitmac.	69	1138	exempt
Total Capital Budget Planned Footways:				£600,000

Appendix F - Capital Footway: Reserve List 2021/22

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Various Locations	Small Capital schemes individually under £15000 in value - both bitmac and slabbed/pavior locations	N/A	N/A	exempt
Cranford Road (Phase 3)	Various locations on both footways - Duthie Place to Hutchison Terrace. Realign kerbs and resurface the footway in precast concrete slabs.	72	737	exempt
Victoria Street	Eastside footway - Don Place to McIntosh Crescent. Renew selected kerbs and resurface footway in bitmac	70	836	exempt
Abbotswell Drive	Southside footway - Provost Watt Drive to Covenanters Row (No 41). Renew selected kerbs and resurface footway in bitmac	69	1385	exempt
Abbotswell Drive	Northside footway - Markbush Court entry to Covenanters Row. Renew selected kerbs and resurface footway in bitmac	69	804	exempt
University Road	Southside footway - College Bounds to Orchard Road. Reset selected kerbs and resurface footway in slabs	69	586	exempt
Albury Road	Eastside footway - Caledonian Place to No 51. Install back kerbs and resurface footway in slabs.	69	515	exempt
University Road	Northside footway - College Bounds to end of Tennis courts. Reset selected kerbs and resurface footway in precast concrete slabs	69	234	exempt
Eday Road	Southside footway - Stronsay Drive to Ferneilea Place. Reset selected kerbs and resurface footway in bitmac	69	494	exempt
Sheddocksley Road (Phase 3)	Both footways - Bellfield Road to Kingsford Road. Renew all kerbs and resurface footway in bitmac	69	685	exempt
Kirkhill Place	Westside/Northside footways - Kirkhill Road to Dyce Drive. Renew all kerbs and resurface footway in bitmac	69	1261	exempt
Balmoral Road	Northside footway - Hardgate to Gairn Terrace. Reset selected kerbs and resurface footway in bitmac	69	1112	exempt
Countesswells Crescent	Inner footway from No 36 to No 2. Renew all kerbs and resurface footway in bitmac.	69	1003	exempt
Grampian Road	Westside footway- Polworth Road to Grampian Place. Reset selected kerbs and resurface footway in bitmac.	69	813	exempt
Fowler Avenue	Southside footway - Newton Road to Cummings Park Road. Reset selected stone kerbs and renew slabs.	69	734	exempt
Auchinyell Gardens	Both footways - Auchinyell Road to Garthdee Drive. Reset selected kerbs and resurface footway in bitmac	Previous Commitment	780	exempt

Wellwood Terrace	Northside footway - Whole road. Renew all kerbs and resurface footway in bitmac	Previous Commitment	270	exempt
Auchinyell Road	Southside footway - Kaimhill Road to Auchinyell Bridge. Renew all kerbs and resurface footway in bitmac.	Previous Commitment	345	exempt
Capital Footways Reserve List Total:				£1,955,268

Appendix G – Capital Resurfacing: Main List 2021/22

Capital Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Provost Fraser Drive	Byron Avenue to number 48. Resurface carriageway	80	2573	exempt
Derbeth Crescent	Whole Carriageway. Resurface carriageway	78	3360	exempt
Dee Street	Whole Carriageway. Resurface carriageway	78	3200	exempt
Wellheads Way	Wellheads Drive to Wellheads Crescent. Resurface carriageway	78	1313	exempt
North Deeside Road	North Deeside Rd - Malcolm Road junction. Resurface carriageway	77	527	exempt
Cabel's Lane	Whole Carriageway. Resurface carriageway	78	636	exempt
Murray's Lane	Whole Carriageway. Resurface carriageway	78	628	exempt
King's Cross Avenue	Between King's Cross Road and King's Gate. Resurface carriageway	77	759	exempt
Ord Street	King's Gate and King's Cross Road. Resurface carriageway	77	951	exempt
Whitehall Place	Albert Street to Whitehall Avenue. Resurface carriageway	76	2700	exempt
Grandholm Drive	East of Gordon Brae. Resurface carriageway	76	1824	exempt
Greenbank Crescent	Greenwell Road west for 800m. Resurface/Reconstruct carriageway	76	5900	exempt
Laurel View	Off Laurel Braes. Resurface carriageway	76	2327	exempt
Albyn Lane	Various locations - Structural repairs	76	920	exempt
Bankhead Road	Greenburn Road towards Greenburn Drive. Resurface carriageway	76	1782	exempt
School Road	Coronation Road to Bucklerburn Drive. Resurface carriageway	76	2912	exempt
Glenholm Walk	Overton Circle to school entrance. Resurface carriageway	76	2556	exempt
Auchinyell Road	Number 126 to Garthdee Road. Resurface carriageway	75	3680	exempt

Viewfield Avenue	Between Viewfield Crescent and Seafield Road. Resurface carriageway	77	1349	exempt
Meston Walk	Whole Carriageway. Resurface carriageway	76	1500	exempt
Loirsbank Road	Deeview Rd to Park Brae. Resurface carriageway	75	1625	exempt
King Street	Jasmine Terrace to Nelson Street (Number 202-350). Resurface carriageway	75	4200	exempt
Mastrick Drive	No 2- No 16. Resurface carriageway	72	652	exempt
Gordon Place, Cameron Avenue, Cameron Drive, Cameron Road, Cameron Terrace, Cameron Street, Cameron Way, North Donside Road(Service Road), Gordon Road, Crookfold Place, Broadfold Drive, Burnside Drive.	Various locations - Structural repairs		1920	exempt
B979 Malcolm Road/Milltimber Brae	Various locations - Structural repairs		1650	exempt
U090C Tulloch Road	Various locations - Structural repairs		2940	exempt
Greyhope Road	Various locations - Structural repairs		940	exempt
Wallacebrae Terrace, Wallacebrae Drive, Wallacebrae Wynd, Wallacebrae Place, Wallacebrae Crescent, Wallacebrae Gardens, Wallacebrae Path, Wallacebrae Avenue, Wallacebrae Road,	Various locations - Structural repairs		1800	exempt
Grampian Road, Overton Walk, Overton Crescent, Overton Circle, Parkhouse Avenue, Parkhouse Crescent, Overton Park, Glenholm Court, Glenholm Gardens, Parkhill Circle, Parkhill Way.	Various locations - Structural repairs		2100	exempt
Oldmeldrum Road	Inverurie Road to Bankhead Road. Structural repairs		940	exempt
C55C Pitmedden Road	Various locations - Structural repairs		1930	exempt
Kennerty Road	Millside Road to Shire boundary Structural repairs		650	exempt
Surface Treatments	Various locations		20000	exempt
Total Capital Budget Planned Resurfacing:			£2,288,000	

Appendix H - Capital Resurfacing: Reserve List 2021/22

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Binghill Road	North Deeside Rd to Streetlight pole 19. Resurface carriageway	76	3976	exempt
Cairngorm Road	Junction with Stonehaven Road. Resurface carriageway	75	1716	exempt
Victoria Street	From Station Road to Riverview Drive roundabout north section. Resurface carriageway	75	8500	exempt
Westburn Road	Raeden Park Road to Raeden Crescent westbound lanes	75	3600	exempt
Westburn Road	Eastbound Woodhill House exit to Forester Hill Road.	75	4600	exempt
Beach Esplanade	Accomodation Road nouthwards for 400m. Resurface carriageway	74	7100	exempt
St Swithin Street	Queen's Cross Roundabout to Union Grove. Resurface carriageway	74	4,214	exempt
Beechgrove Avenue	Midstocket Road to Beechgrove Terrace. Resurface carriageway	74	1521	exempt
Great Western Place	Carriageway excluding parking area on north side. Resurface carriageway	74	1200	exempt
Swannay Road	Whole Carriageway. Resurface carriageway	74	1704	exempt
Ronaldsay Road and Square	Whole Carriageway. Resurface carriageway	74	1300	exempt
Duthie Terrace	Great Western Road to Broomhill Road. Resurface carriageway	74	5264	exempt
Howe Moss Drive	Howe Moss Road to Howe Moss Crescent. Resurface carriageway	74	5550	exempt
Oldmeldrum Road	Inverurie Road to Bankhead Road. Resurface carriageway	74	5321	exempt
Queen Street	Roundabout at arts centre	74	1080	exempt
Pitmedden Crescent	Whole Carriageway - Outside Craigievar Court. Resurface carriageway	73	1560	exempt
Westburn Road	Outside 51. Resurface carriageway	73	620	exempt
North Deeside Road	Kirk Brae to Cults Hotel including loop at hotel. Resurface carriageway	73	3300	exempt
Union Terrace	Whole Road. Resurface carriageway	72	2600	exempt
Beach Esplanande	Links Road to York Street. Resurface carriageway	72	8235	exempt
Granville Lane West	Whole Carriageway. Resurface carriageway	72	1145	exempt
Ruthrieston Circle, Place, Crescent, Road	Whole Carriageway. Resurface carriageway	72	7000	exempt
Gordon Mills Crescent	Gordon Mills Rd to Montgomery Rd. Resurface carriageway	72	1116	exempt
Walker Lane	Menzies Rd - Walker Rd. Resurface carriageway	72	710	exempt
Albert Lane	Prince Arthur Street to Fountainhall Road. Structural repairs	72	1280	exempt
North Balnagask Road	St Fittick's Road to Baxter Place. Resurface carriageway	72	2371	exempt

North Deeside Road	Den of Cults to St Devernick's Place, Inc Section at Cults Hotel. Resurface carriageway	72	1140	exempt
Crown Street	Ferryhill Road junction to number 161. Resurface carriageway	72	2278	exempt
Dyce Drive Ph2	Howe Moss Drive to Street lamp column 128 (30 mph sign). Resurface carriageway	72	5424	exempt
Redcraigs	Boundary to Lodges. Resurface carriageway	71	521	exempt
Baillieswells Drive	Whole Carriageway. Resurface carriageway	71	3360	exempt
Cults Avenue	Hilltop Road to North Deeside Road. Resurface carriageway	71	3360	exempt
Kingswood Drive	Kingswells Drive to Kingswells Avenue including junctions	71	4600	exempt
Arran Avenue	Skye Road to Lewis Road. Resurface carriageway	71	1725	exempt
St Andrew Street	George Street to Charlotte Street. Resurface carriageway	71	830	exempt
King's Gate	Woodend Place to Fernielea Road. Resurface carriageway	71	1513	exempt
King's Gate	Moray Place to Fountainhall Road. Resurface carriageway	71	7830	exempt
Elder Place	Whole Carriageway. Resurface carriageway	70	716	exempt
Prince Arthur Street	Osbourne Place to Carden Place. Resurface carriageway	70	1105	exempt
Gairsay Drive	Whole Carriageway. Resurface carriageway	70	1250	exempt
Eday Crescent	Whole Carriageway. Resurface carriageway	70	1135	exempt
Greenbank Road	Greenbank Crescent to Wellington Road. Resurface carriageway	70	6600	exempt
Kepplehills Road service road	Between Newhills Avenue and Kingsway. Resurface carriageway	70	480	exempt
John Street - Dyce	Off of Victoria Street. Resurface carriageway	70	742	exempt
Overton Way	Overton Circle to Glenholm Gardens. Resurface carriageway	70	455	exempt
Grandholm Drive - Roundabout	Roundabout area with Buckie Brae. Resurface carriageway	70	861	exempt
Craigielea Avenue	Craigton Road-Countesswells Road. Resurface carriageway	70	594	exempt
Beechgrove Avenue	Whole Carriageway. Resurface carriageway	70	1466	exempt
Queen Street	Great Northern Road to Clifton Road. Resurface carriageway	70	850	exempt
Maidencraig Place	Whole Carriageway. Resurface carriageway	70	825	exempt
Howe Moss Crescent	Howe Moss Crescent to Howe Moss Avenue. Resurface carriageway	70	4100	exempt
Howe Moss Avenue	Howe Moss Crescent to Howe Moss Place. Resurface carriageway	70	3763	exempt
Howe Moss Place	Howe Moss Drive to Howe Moss Avenue. Resurface carriageway	70	2550	exempt
Polmuir Road	Riverside Drive to Polmuir Gardens. Resurface carriageway	70	1160	exempt
School Road	Roundabout to Pedestrian Crossing. Resurface carriageway	70	4718	exempt

Summer Street Car Park	Huntly Street - Skene Street. Resurface carriageway	70	635	exempt
Pitmedden Road Ph1	Kirkton Drive to Victoria Street. Resurface carriageway	70	6394	exempt
Bath Street	Whole Carriageway. Reset Granite Setts.	70	600	exempt
Howburn Place	Whole Carriageway. Resurface carriageway	69	1012	exempt
Hanover Street	Castle Terrace to Castlehill. Resurface carriageway	69	688	exempt
Skene Road A944	Westbound-The lodge to Smiddybrae Works. Resurface carriageway	69	6830	exempt
Skene Road A944	Eastbound-the Lodge to the filling station. Resurface carriageway	69	5535	exempt
New Park Place	Mastrick Road and Arnage Drive. Resurface carriageway	69	600	exempt
Provost Rust Drive	Manor Avenue to Howes Crescent. Resurface carriageway	69	4240	exempt
Gladstone Place	St Swithin Street to Forest Avenue. Resurface carriageway.	68	4681	exempt
Taliesman Road	Whole Carriageway. Resurface carriageway	68	1400	exempt
Hammersmith Lane	Whole Carriageway north of school. Resurface carriageway	68	1742	exempt
Hammersmith Lane	Whole Carriageway north of school. Resurface carriageway	68	1742	exempt
Kildrummy Road	Whole Carriageway. Resurface carriageway	68	2415	exempt
Robertson Place	Whole Carriageway. Resurface carriageway	68	376	exempt
Craigievar Place	Next to Pitmedden Crescent. Resurface carriageway	68	600	exempt
Garthdee Road	Inchbrae Road to Garthdee Fountain Roundabout. Resurface carriageway	68	5810	exempt
Inchgarth Road	Westerton Road to Inchgarth Court. Resurface carriageway	68	2379	exempt
Baillieswells Terrace	Whole Carriageway. Resurface carriageway	68	1366	exempt
Deeview Road South	St Devenicks Place to Park Brae. Resurface carriageway	68	1477	exempt
Tanfield Walk	Great Northern Road westwards. Resurface carriageway	68	1166	exempt
Mansefield Road	Glenbervie Road to Balnagask Road. Resurface carriageway	68	2250	exempt
Craigieburn Park	From Station Road to Riverview Drive roundabout north section. Resurface carriageway.	68	630	exempt
Printfield Terrace	Loop off Printfield Walk. Resurface carriageway	68	1984	exempt
Burnside Road	Whole Carriageway	68	2700	exempt
King's Gate-Service Road	Between no141 and no 161. Resurface carriageway	68	1083	exempt
Springfield Road- North	King's Gate to Queen's Rd. Resurface carriageway	68	2041	exempt
Seafield Crescent	Between Seafield Drive East and Seafield Road. Resurface carriageway	68	2217	exempt

Stronsay Avenue	Off Stronsay Drive. Resurface carriageway	68	970	exempt
Souter Head Road - Ph2	Souter Head Roundabout to cul de sac. Resurface carriageway	68	7263	exempt
Matthews Road	Gardner Drive to Caiesdykes Drive. Resurface carriageway	66	1311	exempt
Culterhouse Road	Various locations - Structural repairs	66	3272	exempt
C150C Landerberry	Various locations - Structural repairs	66	1560	exempt
U058C Caskieben Road	Various locations - Structural repairs	66	2300	exempt
U182C Christie Grange Road	Various locations - Structural repairs	62	500	exempt
North Deeside Road	Springfield Road junction. Resurface carriageway	70	955	exempt
North Deeside Road	Pitfodels Station Rd junction westwards. Resurface carriageway	69	438	exempt
Colthill Road	Binghill Drive junction. Resurface carriageway	68	580	exempt
Stoneywood Road	Stoneywood Terrace junction. Resurface carriageway	68	1625	exempt
Braehead Way/Bodachra junction	Junction, access to parking area and parking area at school. Resurface carriageway	66	2130	exempt
King George VI Bridge Roundabout.	Southern roundabout King George VI bridge. Resurface carriageway	66	1750	exempt
Duthie Park Roundabout	Northern roundabout King George VI bridge. Resurface carriageway	66	780	exempt
Deevale Terrace	Cairngorm Road junction. Resurface carriageway	64	1200	exempt
Seaforth Road	Park Road junction. Resurface carriageway	64	420	exempt
West Tullos Road	Abbotswell Roundabout / Abbotswells Crescent junction. Resurface carriageway	61	1450	exempt
Devenick Place	Ramsay Gardens junction. Resurface carriageway	58	360	exempt
Grampian Road - Phase 2	Grampian Road to Polworth Road. . Resurface carriageway	Previous Commitment	2300	exempt
Beaonhill Road	Carriageway resurfacing. Resurface carriageway	Legal Commitment	2915	exempt
B9119 Skene Road, Queens Road	Various locations. Structural repairs	61	1750	exempt
Riverside Drive	Great Southern Road to South College Street. Carriageway repairs	68	1260	exempt
Maberly Street	George Street to Ann Street inc. junctions. Carriageway resurfacing	68	2180	exempt
Six Roads Roundabout	Resurface carriageway	68	3940	exempt
Milltimber Brae East	Resurface carriageway	68	1150	exempt
Rubislaw Den North	Moray Place to Forest Road. Resurface carriageway	68	4700	exempt
Hutcheon Street	George Street to Berryden Road. Resurface carriageway	67	3600	exempt
Woodburn Crescent	Whole Carriageway. Carriageway Resurface	67	2700	exempt

Woodburn Gardens	Springfield Road to Craigiebuckler Avenue. Carriageway Resurface	67	3200	exempt
Virginia Street	Commerce Street to Market Street. Resurface carriageway	66	6230	exempt
North Esplanade West	Eastbound lanes - South College Street to Raik Road. Resurface carriageway	66	3600	exempt
Queen Street (Hilton)	Great Northern Road to Clifton Road. Resurface carriageway	66	850	exempt
Kingswood Drive	Kingswells Avenue to Coldstone Avenue. Resurface carriageway	66	2966	exempt
Gray Street	Great Western Road to Broomhill Road. Resurface carriageway	66	2844	exempt
Manor Avenue	Provost Rust Drive to Manor Walk. Resurface carriageway	66	1424	exempt
Fairley Road	Kingswood Drive to No 26. Resurface carriageway	65	2670	exempt
Rubislaw Den South	Forest Road to Anderson Drive. Structural repairs	65	5500	exempt
Hallfield Road	No 73 to No 119. Resurface carriageway	65	5772	exempt
Pitmedden Crescent	Two Mile Cross to No 28. Resurface carriageway	65	971	exempt
Hayton Road	West of Formartine Road. Resurface carriageway	64	448	exempt
Union Terrace	Whole Road. Structural repairs	64	5500	exempt
Beaconsfield Place	Whole Road. Resurface carriageway	64	3400	exempt
North Anderson Drive	Various locations along service roads. Resurface carriageway	64	3200	exempt
Manse Road	Various locations along road. Structural repairs	64	1100	exempt
Earlswells Road	Whole Road. Resurface carriageway	64	780	exempt
Gort Road	Whole Road. Resurface carriageway	64	1165	exempt
Craigiebuckler Place	Whole Road. Resurface carriageway	64	850	exempt
Donview Place	Whole Road. Resurface carriageway	64	700	exempt
East Green	Hadden Street to Carnegie's Brae. Repair setts in carriageway	64	5424	exempt
C89C-Chapel of Stoneywood	Dykeside Roundabout to Kingswells Crescent. Resurface carriageway	64	511	exempt
St Fittick's Road	Golf Clubhouse to Skatepark. Resurface carriageway	64	4499	exempt
Broomhill Road	No 126 to Gray Street. Resurface carriageway	64	3059	exempt
Fairview Street	Gordon Brae to Fairview Brae. Resurface carriageway	64	1501	exempt
Netherview Road	Gordon Terrace to Glen Road. Resurface carriageway	64	951	exempt
Countesswells Crescent	Number 1 to 63	64	2200	exempt
Hilton Avenue	Rosehill Drive to Hilton Avenue. Resurface carriageway	64	776	exempt
Countesswells Avenue	Countesswells Road north for 420 metres	64	4070	exempt

King Street	Union Street to Frederick Street. Reconstruct Carriageway	63	5571	exempt
Capital Resurfacing Reserve List Total				£12,517,401

Appendix J1 - Capital Drainage: Programme 2021/22

Name of Road	Location & Description of Works	Estimated Cost
Dee Street	Additional gullies to resolve ponding areas	exempt
Clinterty Road	Additional gullies to resolve ponding areas	exempt
Various locations	Unallocated to Resolve Serious Flooding or Ponding Issues	exempt
Various locations	Replacement of gullies	exempt
Various locations	Replacement of gullies	exempt
Capital Drainage Total		£90,000

Appendix J2 - Capital Drainage: Reserve Programme 2021/22

Name of Road	Location & Description of Works	Estimated Cost
Wellington Road	Additional drainage to rectify ponding at Argyll	exempt
North Deeside Road	Additional gullies to resolve ponding areas near number 271	exempt
Riverside Drive	Additional gullies at Polmuir Road	exempt
Various locations	Unallocated to Resolve Serious Flooding or Ponding Issues	exempt
Various locations	Replacement of gullies	exempt
Capital Drainage Reserve Total		£107,000

Appendix K - Capital Works: Major Bridge Repairs 2021/22

Location & Description of Works	Estimated Cost
Major Bridge Repairs	exempt
Total	£200,000

Capital Works Other Un-Programmed Budgets

Location & Description of Works	Estimated Cost
Road sign replacement	exempt
Bridge special inspections and SV assessments	exempt
Total	£60,000

Appendix L - Flooding and Coastal Protection Capital Works 2021/22

Project	Estimated Cost
Integrated Catchment/SWMP/Merchant Quarter Modelling	exempt
Peterculter - Study & detailed design	exempt
Inchgarth Hake installation	exempt
CCTV at Hakes	exempt
Software purchase	exempt
Sepa / Denburn match funding including Denburn Modelling	exempt
River Don flood plain study	exempt
Jesmond - study	exempt
Begin Project – match funding	exempt
Score Project – river gauging	exempt
Riverside Drive design and works	exempt
Langstracht Drainage / Summerhill	exempt
Merchant Quarter Works	exempt
Sea Wall – survey / coastal management study & major repairs	exempt
Kingswells Old Skene Road	exempt
Reinstatement coastal defences Greyhope Road	exempt
Surface water improvements	exempt
Total	£1,360,000

Appendix M - Summary Capital Works 2021/22

Traffic Signal Refurbishment Programme:	£392,000
Lighting Programme:	£3,146,000
CWSR Capital Grant:	£1,001,000
Footway Resurfacing Programme:	£600,000
Carriageway Resurfacing Programme:	£2,288,000
Drainage Programme:	£90,000
Major Bridge Repairs:	£200,000
Road Sign Replacement:	£30,000
Weak Bridge Repairs:	£30,000
Flooding and Coastal protection:	£1,360,000
A96, A92 De-trunked roads, resurfacing	£1,457,500
Additional Capital Investment in Roads:	£3,000,000
NESTRANS Related Works:	£105,000
Total	£13,699,500

Appendix N - Revenue Budget 2021/22

Budget
2021/22

General Roads Maintenance

- Carriageway Patching
- Footway Patching
- Drainage
- Road marking & Studs
- Gully Emptying
- Pedestrian Barriers
- Traffic Signs & Bollards
- Safety Fences
- Technical Surveys
- Street Naming
- Inspections
- Footway Bollards

Traffic Works

- Traffic Management Reviews
- Disabled Parking
- ITS Annual Communication Costs
- ITS Annual Contract Costs
- Traffic Signal Maintenance
- Software Licences

Maintenance Programmes

- Sponsored Roundabout Costs
- Surface dressing
- Bridge works
- Winter Maintenance & Emergencies
- Street Lighting Maintenance
- Street Lighting Electricity
- Flood Risk Management
- Flood Prevention
- Coast protection

Income

- Recoverable works programme
- Street Occupations Income

Net Budget for Activities **£5,837,000**

Appendix O – A96, A92 De-trunked roads, Resurfacing: Main List 2021/22

Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
A92 Stonehaven Road	Southbound, Bridge of Dee roundabout south for 50m. Resurface Carriageway, replace high friction surface.	76	500	exempt
A92 Stonehaven Road.	Garthdee Roundabout - Bridge of Dee Roundabout. Resurface carriageway	76	3150	exempt
A92 Anderson Drive	King's Gate to Queens Road, southbound. Resurface carriageway	72	6000	exempt
A92 Stonehaven Road	Southbound, rear of 65 Gardner Road south for 700m. Resurface Carriageway.	72	5200	exempt
A92 Ellon Road	Murcar Roundabout to Aberdeenshire Boundary. Carriageway repairs.	72	1650	exempt
A92 Ellon Road	Murcar Roundabout. Carriageway resurfacing.	72	1700	exempt
A92 Ellon Road	Murcar Roundabout to AECC Roundabout – southbound. Repair and resurface sections of carriageway.	70	5500	exempt
A92 Anderson Drive	Queen's Road to King's Gate, northbound. Resurface carriageway	70	6100	exempt
A92, A96	Minor drainage works			exempt
A92, A96	Minor footway works			exempt
A92, A96	Minor carriageway repairs.			exempt
A96, A92 De-trunked roads, Resurfacing: Main List Resurfacing:				£1,457,500

Appendix P – A96, A92 De-trunked roads, Resurfacing: Reserve 2021/22

Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
A92 North Anderson Drive	Rosehill Roundabout. Resurface carriageway	68	3150	exempt
A96 Auchmill Road	Auchmill Terrace westwards for 820m, westbound. Carriageway Resurfacing.	68	6600	exempt
A96 Auchmill Road	Church Lane eastwards for 300m, eastbound lane. Carriageway Resurfacing.	68	2250	exempt
A92 Ellon Road	AECC Roundabout. Carriageway resurfacing	68	1400	exempt
A92 North Anderson Drive	Westburn Road to King's Gate, southbound Resurface carriageway	68	5400	exempt
A92 Parkway	Danestone Roundabout area. Carriageway resurfacing.	68	2650	exempt
A92 Stonehaven Road	Bridge of Dee Roundabout. Resurface carriageway	68	4000	exempt
A92 North Anderson Drive	Cairncry Road to Ashgrove Road, southbound Resurface carriageway	68	5300	exempt
A92 Stonehaven Road	Southbound, Damhead Cottage south for 800m. Resurface Carriageway.	68	5900	exempt
A92 Stonehaven Road	Southbound, Old Stonehaven Road south for 650m. Resurface Carriageway.	68	4800	exempt
A92 Seafield Roundabout	Cromwell Road and access roads	68	1400	exempt
A92 North Anderson Drive	Ashgrove Road to Cairncry Road, northbound Resurface carriageway	64	3400	exempt
A92 Stonehaven Road	Northbound, layby opposite Nigg Way to Bridge of Dee Roundabout. Resurface Carriageway.	64	6400	exempt
A92 Stonehaven Road	Junction Cairngorm Road. Resurface Carriageway.	64	2400	exempt
A92 Stonehaven Road	Northbound, Aberdeenshire boundary north for 400m. Resurface Carriageway.	64	3200	exempt
A96, A92 De-trunked roads, Resurfacing: Reserve List Resurfacing:				£2,517,000

Appendix Q1 - Additional Investment in Roads 2021/22

Additional Capital Investment in Carriageway Resurfacing/Repairs

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
King's Gate	Westholm Avenue to A92. Resurface carriageway	79	4005	exempt
North Deeside Road	Coronation Rd to Number 423. Resurface carriageway	78	2603	exempt
Clark Street/Summerfield Drive	Fairlie Road to Smithfield Gardens. Resurface carriageway	79	3649	exempt
Simpson Road	Balgownie Crescent to North Donside Road. Resurface carriageway	78	2600	exempt
Denmore Road/Woodside Road	Parkway to Barratt Trading Estate entrance. Resurface carriageway	78	3840	exempt
Burnbrae Crescent, Place, Avenue	Off Fernhill Drive. Resurface carriageway	76	3528	exempt
Kirk brae	Ladyhill Road to Countesswells Road	78	4900	exempt
Souter Head Road Ph1	Wellington Roundabout to Souter Head Roundabout. Resurface carriageway	76	4499	exempt
Coronation Road	Whole Carriageway. Resurface carriageway	76	4012	exempt
Beach Esplanade	Accomodation Road southwards for 620m. Resurface carriageway	76	8308	exempt
Polmuir Road	Devanha Gardens to Polmuir Avenue. Resurface carriageway	76	3225	exempt
Cranford Road	Whole Carriageway. Resurface carriageway	76	5600	exempt
Lewis Road	Lang Stracht to Benbecula Road. Resurface carriageway	75	10125	exempt
City Wide	Structural Repairs		1800	exempt
Total:				£1,976,296

Additional Capital Investment in Junctions, Utility Tracks, Recurring Pothole areas

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Various Locations	City wide works in conjunction with developers.	Visual Inspection	450	exempt
Various Locations	City wide works in conjunction with utility companies	Visual Inspection	225	exempt
Various Locations	Structural resurfacing to setted roads	Visual Inspection	50	exempt
Various Locations	Structural repairs at Bus Stops	Visual Inspection	450	exempt
Various Locations	Structural repairs at Traffic Calming	Visual Inspection	250	exempt
Various Locations	Structural repairs at Junctions	Visual Inspection	300	exempt
Various Locations	Failing utility tracks	N/A	N/A	exempt
Loch Street	Sunken area by college to Spring Garden. Resurface carriageway	82	250	exempt
Kingswalk	Junction Kepplehills Road	80	100	exempt
Victoria Street	Junction with Farburn Terrace to Riverview Drive south end. Resurface carriageway	80	3400	exempt
Wellington Road	Junction Craigshaw Road. Resurface carriageway	78	1800	exempt
Union Street	Bus lanes. Resurface carriageway	78	120	exempt
Nigg Way	Gardner Drive Junction. Resurface carriageway	76	1300	exempt
Ash-hill drive	Some very poor sections especially Ash-Hill Road junction. Resurface carriageway	74	4200	exempt
Countesswells Road	Seafield Road Junction at service road. Resurface carriageway.	73	85	exempt
Gordon Mills Crescent	Junctions Gordon Mills Rd to Montgomery Rd. Resurface carriageway	72	1116	exempt
Harris Drive, Formartine Road	Junction of Formartine Road/Harris Drive. Resurface carriageway	72	456	exempt
Victoria Road	Junction Baxter Street. Resurface / Reconstruct carriageway	71	500	exempt
Total:				£486,602

Additional Capital Investment in Footways

Name of Road	Location and Description of Works	Assessed condition score	Area (m ²)	Cost
Dee Street	Westside Footway. Reset granite kerbs and resurface in various surfaces.	79	270	exempt
Dee Street	Eastside Footway Reset granite kerbs and resurface in various surfaces.	79	275	exempt
Kepplehills Road	Newhills Avenue to Netherhills Avenue north and south footways. Renew kerbs and resurface in bitmac.	76	1624	exempt
Byron Square	At Byron Square shops. Renew kerbs and resurface in bitmac.	75	419.5	exempt
Kirkwall Avenue/Lewis Road	Numbers 21 and 26. Renew kerbs and resurface in bitmac.	72	671	exempt
Cranford road	Both sides from Great Western Road to Duthie Place (Phase 2). Reset granite kerbs and resurface in precast concrete slabs.	71	640	exempt
Trinity Quay	Northside FW from Market St to Shore Brae. Renew selected kerbs and resurface in precast concrete slabs.	71	352	exempt
Bright Street	Westside Footway- Sycamore Place to Murray Terrace. Reset granite kerbs and resurface in bitmac.	71	372	exempt
Albyn Place	Southside Footway -Harlaw Academy to Holburn Surgery (excl St Margaret's). Reset uneven granite kerbs and renew areas of damaged precast concrete slabs.	71	287	exempt
Alford Place	Victoria Street to No 510. Reset uneven granite kerbs and renew areas of damaged precast concrete slabs.	71	372	exempt
Sheddocksley Road (Phase 2)	Both footways - Maidencraig Place to Sheddocksley Drive. Renew all kerbs and resurface footway in bitmac.	71	343	exempt
East Main Avenue	West Footway- Mastrick Drive to Arnage Drive. Renew damaged kerbs and resurface footway in bitmac.	71	345	exempt
Gairnshiel Avenue	Westside Footway- Invercauld Gardens to Invercauld. Renew damaged kerbs and resurface footway in bitmac.	71	249	exempt
Stronsay Drive	Outside Summerhill Parish Church. Resurface in bitmac.	70	165	exempt
Gray Street	Westside footway Hammersmith Lane to number 68. Remove 2 mature trees, reset selected kerbs and resurface footway in precast concrete slabs.	Previous commitment	175	exempt
Additional Capital Investment in Footways Total:				£537,122

Additional Capital Investment in Carriageways:

£1,976,276

Additional Capital Investment in Junctions, etc:

£486,602

Additional Capital Investment in Footways:

£537,122

Total Additional Capital Investment in Roads:

£3,000,000

Appendix Q2 - Additional Investment in Roads expenditure summary.

Additional Capital Investment works previously approved completed in previous years and yet to be completed.

18,19	Junction Contracts Dyce Bridge of Don City Centre	Spend £ £451,000	Annual Total £451,000	Cumulative total £451,000
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19,20	Additional Resurfacing Additional Junction Additional Footways	£360,000 £291,000 £241,000	Annual Total £892,000	Cumulative total £1,343,000
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20,21	Additional Resurfacing Additional Junction Additional Footways	£709,000 £292,000 £619,000	Annual Total £1,620,000	Cumulative total £2,963,000
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20,21 works recently completed yet to be invoiced			Annual Total	Cumulative total
Additional Resurfacing	£357,000			
Additional Junctions	£0			
Additional Footways	£0		£357,000	£3,320,000

Total additional expenditure works completed to date. £3,320,000

Remainder of £10m to be completed £6,680,000

Outstanding works previously approved by Committee

Additional Resurfacing	£1,102,938		
Additional Junctions	£456,070		
Additional Footways	£445,368	£2,004,376	£2,004,376

Remainder of £10m available to be allocated to new works £4,675,624

New additional expenditure works to be allocated this report. £3,000,000

New additional expenditure works to be allocated in 22,23 report. £1,675,624

Appendix Q3 - Additional Investment in Roads expenditure previously committed to be completed.

Additional Capital Investment in Carriageway Resurfacing/Repairs previously committed to be completed.

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Hilton Drive	Hilton Road to Rosehill Drive. Carriageway resurfacing	Previous Commitment	8990	exempt
Kirk Brae	Ladyhill Road to Kirk Place. Carriageway resurfacing	Previous Commitment	8000	exempt
Colthill Circle	Colthill Road to Bingham Crescent. Carriageway resurfacing	Previous Commitment	1171	exempt
Linmoor Road	Various locations. Carriageway repairs	Previous Commitment	800	exempt
Commerce Street	Virginia Road to Waterloo Quay (Harbour). Carriageway resurfacing	Previous Commitment	2067	exempt
Nellfield Place	Holburn Street to Great Western Road. Carriageway resurfacing	Previous Commitment	2040	exempt
Beach Esplanade	From King Street eastwards for 500 metres. Structural repairs	Previous Commitment	450	exempt
Gordon Terrace	Victoria Street to No 26 Gordon Terrace. Carriageway resurfacing	Previous Commitment	1077	exempt
King Street	Bus Depot to Pittodrie Street. Structural repairs and resurfacing	Previous Commitment	3065	exempt
Kingsford Road	Springhill Road to Kingsford School including loop at Regensburg Court - Carriageway resurfacing	Previous Commitment	1709	exempt
Montgomery Road	Gordonmills Crescent to Donbank Place including both junctions. Carriageway resurfacing	Previous Commitment	1150	exempt
Various Locations	Damaged setts and lockblock repairs	Previous Commitment	220	exempt
Kirk Brae	North Deeside Road to Kirk Place, Resurface Carriageway	Previous Commitment	3100	exempt
U090C Tulloch Road	Phase 1 of 3, various locations, structural carriageway strengthening	Previous Commitment	2540	exempt
	Total			£1,102,938

Additional Capital Investment in Junctions, Utility Tracks, Recurring Pothole areas previously committed to be completed.

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Various Locations	City wide works in conjunction with developers.	Previous Commitment	900	exempt
Various Locations	Structural resurfacing to setted roads	Previous Commitment	100	exempt
Various Locations	Structural repairs at Traffic Calming	Previous Commitment	1100	exempt
Various Locations	Structural repairs at Junctions	Previous Commitment	1400	exempt
Various Locations	Failing utility tracks	Previous Commitment		exempt
Skene Street	Carriageway resurfacing at Rosemount Viaduct	Previous Commitment	1900	exempt
Wellington Road	Carriageway resurfacing at Craigshaw Road	Previous Commitment	1800	exempt
Queen's Cross Roundabout	Carriageway resurfacing	Previous Commitment	1344	exempt
Beach Ballroom Esplanade Roundabout	Carriageway resurfacing	Previous Commitment	1950	exempt
Hazledene Road	Carriageway resurfacing at junction to Queen's Road.	Previous Commitment	79	exempt
Brighton Place	Carriageway resurfacing at junctions Union Grove and Great Western Road	Previous Commitment	1200	exempt
Victoria Street, Dyce	Junction with Farburn Terrace, Resurface Carriageway	Previous Commitment	1220	exempt
Stoneywood Road	Wellheads Avenue roundabout at BP access, Resurface Carriageway	Previous Commitment	375	exempt
Stoneywood Road	Junction with A947 (area extends underneath rail bridge), Resurface Carriageway	Previous Commitment	550	exempt
	Total			£456,070

Additional Capital Investment in Footways previously committed to be completed.

Name of Road	Location and Description of Works	Assessed condition score	Area (m ²)	Cost
Various Locations	Small capital schemes individually under £15000 in value - both bitmac and slabbed/pavior locations	Previous Commitment	N/A	exempt
King's Gate	Southside footway - Angusfield Avenue to Springfield Road. Renew selected kerbs and resurface in bitmac.	Previous Commitment	790	exempt
Hetherwick Road	Southside footway - Gardner Drive to Gardner Road. Renew selected kerbs and resurface footway in bitmac.	Previous Commitment	443	exempt
Craigendarroch Avenue	Westside footway - Cairnwell Drive to Invercauld road. Renew all kerbs and resurface footway in bitmac	Previous Commitment	365	exempt
Craigendarroch Place	Both footways - Cairnwell Drive to Invercauld Road. Renew all kerbs and resurface footway in bitmac	Previous Commitment	766	exempt
Cranford Road (Phase 1)	Various Locations on both footways - Great Western Road to Duthie Place. Realign all kerbs and resurface the footway in precast concrete slabs.	Previous Commitment	771	exempt
Hopcroft Avenue	Westside footway - Hopetown Grange to Hopetown Drive. (excludes driveways at No 15 & No 17) Renew kerbs and resurface footways with bitmac.	Previous Commitment	298	exempt
Cattofield Place	Northside footway - Back Hilton Road to No 24. Relay stone kerbs and resurface footway with precast concrete slabs.	Previous Commitment	1083	exempt
Cattofield Place	Southside footway - Cattofield Terrace to Cattofield Gardens. Relay stone kerbs and resurface footway with precast concrete slabs. Remove 3 semi-mature trees.(Not Elms)	Previous Commitment	305	exempt
	Total			£445,368

Appendix R – NESTRANS Contributions.

NESTRANS – Carriageway Resurfacing Capital Programme 2021/22

Name of Road	Location and Description of Works	Assessed condition	Area (m²)	Estimated Cost £
North Deeside Road	Rob Roy Bridge to Boundary –	72	3200	£105,000
NESTRAN Carriageway Resurfacing				£105,000

Total NESTRANS Works, subject to NESTRANS approvals

£105,000

Appendix S - Road Condition Index

From 2004, a carriageway condition Statutory Performance Indicator (SPI) was introduced across Scotland. This indicator is:

“The percentage of the road network that should be considered for maintenance treatment.”

The Road Condition Index (RCI) is the figure reported for the SPI and is produced from a Scotland wide survey. The SRMCS survey information is collected and processed centrally by an independent contractor engaged by SCOTS. Surveys are undertaken annually by means of machine-based measurement on a specified sample of each council's road network. All survey vehicles are independently calibrated by the Transport Research Laboratory including periodic calibration checks during the survey season.

Survey coverage of the road network is detailed in the SPI and Audit Scotland has approved both the survey methodology and the agreed percentages of road surveyed to ensure a statistically reliable SPI. Survey coverage is carried out as follows:

- **A Class Roads** are surveyed in both directions every two years that is one direction in one year and the opposite direction the next year.
- **B and C Class Roads** in both directions over a four year period; that is 50% of the B and C Class network is surveyed in one direction in one year; 50% in one direction in year two; then the first 50% in the opposite direction in year three and so on.
- **Unclassified Roads** have a 10% random sample undertaken on an annual basis selected by the survey contractor. Short sections of such roads are excluded from the survey.

Following some refinements to the road condition assessment system a number of technical parameters were revised in 2008. While the surveys are undertaken on an annual basis, the RCI is now calculated over a two year rolling period to minimise the effect of sampling errors on the results.

In relation to the RCI, 'considered for maintenance treatment' means there is likely to be some defect in the condition of the road, but authorities will need to carry out more detailed investigations and prioritisation of need in the development of their future road maintenance programmes.

The results are categorised into Green, Amber and Red condition bands where:

- **Green** indicates the carriageway is generally in a good state of repair.
- **Amber** indicates the carriageway has some deterioration which should be investigated to determine the optimum time for planned maintenance treatment.
- **Red** indicates the carriageway has lengths in poor overall condition which are likely to require planned maintenance soon.

The RCI figure includes both the Amber and Red categories. An increase in the figure indicates deterioration and a decrease indicates improvement.

Appendix T shows the Road Condition Index for 2018 - 2020 taking into account the four year unclassified roads condition.

Road Condition Index for this period is 29.9 %. This mean that approx. 295km of roads within the city were in need of some form of repair.

The chart shows that Aberdeen City was 6th in Scotland for this two year period

Appendix U shows the Road Condition Index for 2019-2021 taking into account the four year unclassified roads condition.

Road Condition Index for this period is 28.4%. This mean that approx. 280km of roads within the city are in need of some form of repair.

Appendix U in comparison with Appendix T indicate that that the road network condition index for Aberdeen City was 4th in Scotland for the latest 2-year period surveyed.

The comparison of these tables show that the road condition is improving both in relation to previous years and in comparison with other local authorities. This reflects the additional investment in resurfacing in the previous 2 years.

Appendix V & W shows the Road Condition Index for the single year 2020 as reported in October 2020. The Road Condition Index for this period is 26.7%. This mean that approximately 263km of roads within the city needed some form of repair. This figure is considered to give some inaccuracies and is not used in the annual SPI Index although it will be used in future calculations and does give a guide to the trend in network condition when compared with the same figure from last year which was 29.3%.

Appendix X shows the movement in the Road Condition Index between 2004 and 2021. The graphs show the movement in each road classification along with a comparator to the whole Scottish network. These graphs show that, in the main, the roads in Aberdeen are above the national average.

Appendix T

RCI Results 2018_20 (4 years data for Unclassified Roads)

Authority Random No	Network				A Roads				B Roads				C Roads				Classified Roads				U Roads			
	Red	Amber	Green	RCI	Red	Amber	Green	RCI	Red	Amber	Green	RCI	Red	Amber	Green	RCI	Red	Amber	Green	RCI	Red	Amber	Green	RCI
19	237	1879	7884	21.2	2.45	24.34	73.21	26.8	2.32	19.31	78.37	21.6	1.98	12.51	85.51	14.5	2.25	18.78	78.97	21.0	2.50	18.80	78.70	21.3
30	331	2261	7409	25.9	1.52	20.74	77.74	22.3	2.57	22.94	74.49	25.5	1.28	12.98	85.74	14.3	1.49	16.14	82.37	17.6	4.00	25.09	70.91	29.1
15	354	2270	7375	26.2	3.07	24.44	72.49	27.5	2.40	21.07	76.53	23.5	2.28	18.54	79.18	20.8	2.49	20.55	76.96	23.0	4.83	25.32	69.85	30.1
26	348	2385	7268	27.3	2.21	18.02	79.77	20.2	3.80	25.73	70.46	29.5	8.05	31.41	60.54	39.5	4.41	24.27	71.32	28.7	2.93	23.59	73.48	28.5
32	410	2477	7112	28.9	3.89	25.28	70.83	29.2	2.15	17.99	79.86	20.1	2.43	16.65	80.91	19.1	2.97	20.31	76.72	23.3	4.47	26.23	69.30	30.7
Aberdeen	5.18	24.75	70.07	29.9	3.66	19.79	76.56	23.4	3.42	19.85	76.73	23.3	3.51	19.47	77.03	23.0	3.54	19.66	76.80	23.2	5.67	26.25	68.08	31.9
28	409	2623	6968	30.3	2.56	20.62	76.82	23.2	2.61	22.66	74.73	25.3	5.95	31.72	62.33	37.7	4.11	26.18	69.71	30.3	4.08	26.26	69.67	30.3
10	480	2579	6941	30.6	3.41	25.75	70.84	29.2	2.33	23.46	74.21	25.8	3.24	21.96	74.80	26.2	2.94	23.23	73.83	26.2	6.85	28.64	64.51	35.5
5	442	2621	6936	30.6	1.65	15.67	82.68	17.3	2.07	18.23	79.70	20.3	3.60	21.54	74.85	25.1	2.61	18.90	78.50	21.5	5.41	30.21	64.38	35.6
11	449	2728	6822	31.8	3.90	21.37	74.73	25.3	1.32	20.04	78.64	21.4	5.50	25.83	68.67	31.3	4.14	22.56	73.30	26.7	4.60	28.73	66.66	33.3
1	483	2751	6766	32.3	6.02	25.71	68.27	31.7	6.09	28.00	65.91	34.1	4.38	28.45	67.17	32.8	5.48	27.41	67.11	32.9	4.37	27.58	68.04	32.0
27	622	2663	6715	32.9	2.14	17.82	80.03	20.0	2.69	21.39	75.91	24.1	7.95	26.24	65.81	34.2	5.14	22.77	72.09	27.9	6.78	28.61	64.61	35.4
22	522	2797	6681	33.2	3.13	25.51	71.37	28.6	5.79	32.12	62.09	37.9	4.40	25.70	69.90	30.1	4.49	27.37	68.14	31.9	6.01	28.62	65.37	34.6
24	538	2783	6679	33.2	4.45	23.77	71.79	28.2	4.18	24.13	71.68	28.3	4.86	24.24	70.90	29.1	4.46	24.00	71.54	28.5	5.72	29.24	65.04	35.0
2	449	2880	6671	33.3	3.83	26.62	69.55	30.4	5.89	32.43	61.68	38.3	3.12	27.72	69.15	30.8	4.22	29.12	66.66	33.3	4.80	28.44	66.76	33.2
16	641	2707	6652	33.5	5.53	23.55	70.92	29.1	3.93	20.51	75.56	24.4	5.10	22.99	71.91	28.1	5.11	22.85	72.03	28.0	6.79	28.31	64.90	35.1
25	608	2887	6505	35.0	3.19	21.59	75.22	24.8	4.84	25.75	69.41	30.6	4.95	29.88	65.18	34.8	4.35	25.84	69.81	30.2	7.39	31.16	61.46	38.5
13	706	2841	6452	35.5	1.96	13.52	84.52	15.5	2.44	23.83	73.73	26.3	7.73	25.27	67.00	33.0	4.90	22.22	72.88	27.1	8.22	31.72	60.05	39.9
31	613	2944	6442	35.6	2.60	22.22	75.18	24.8	2.08	15.92	82.00	18.0	4.56	24.44	71.01	29.0	2.93	20.85	76.22	23.8	8.14	34.84	57.02	43.0
21	552	3012	6436	35.6	1.25	15.21	83.54	16.5	7.29	29.16	63.56	36.4	3.48	29.39	67.12	32.9	3.68	23.88	72.44	27.6	7.84	37.95	54.20	45.8
Scotland LA	6.85	28.98	64.17	35.8	4.65	25.92	69.43	30.6	6.21	28.75	65.04	35.0	6.61	28.53	64.86	35.1	5.91	27.82	66.27	33.7	7.74	30.09	62.17	37.8
23	602	3056	6342	36.6	3.68	25.02	71.30	28.7	4.15	27.55	68.31	31.7	5.74	28.49	65.77	34.2	4.55	26.99	68.46	31.5	6.76	32.39	60.84	39.2
4	607	3092	6301	37.0	8.13	31.24	60.63	39.4	4.94	30.17	64.89	35.1	4.99	30.86	64.15	35.8	5.95	30.81	63.24	36.8	6.22	31.08	62.71	37.3
17	699	3027	6274	37.3	8.04	30.74	61.22	38.8	5.43	31.40	63.17	36.8	10.07	36.86	53.07	46.9	8.07	33.67	58.26	41.7	6.12	27.53	66.35	33.6
29	741	2988	6271	37.3	2.52	18.08	79.40	20.6	4.64	26.14	69.22	30.8	10.30	33.64	56.07	43.9	7.19	28.28	64.54	35.5	7.49	30.48	62.03	38.0
18	832	2945	6223	37.8	3.80	19.23	76.97	23.0	5.54	27.00	67.46	32.5	8.86	29.92	61.22	38.8	6.42	26.24	67.34	32.7	9.94	32.19	57.87	42.1
9	828	2953	6219	37.8	4.19	26.41	69.39	30.6	6.70	30.30	63.01	37.0	9.64	31.19	59.17	40.8	6.89	29.21	63.90	36.1	10.08	29.95	59.96	40.0
3	850	3205	5944	40.6	5.57	28.57	65.86	34.1	6.79	30.13	63.07	36.9	9.44	32.76	57.81	42.2	7.64	30.90	61.45	38.5	9.27	33.08	57.65	42.4
8	699	3364	5936	40.6	6.38	27.93	65.69	34.3	6.24	30.58	63.17	36.8	7.89	40.09	52.02	48.0	6.75	31.85	61.40	38.6	7.34	36.24	56.42	43.6
20	964	3158	5878	41.2	4.43	27.52	68.05	31.9	6.38	33.73	59.89	40.1	8.38	32.10	59.52	40.5	6.23	30.77	62.99	37.0	13.57	32.51	53.91	46.1
12	879	3646	5476	45.2	5.67	31.55	62.79	37.2	7.13	35.71	57.17	42.8	6.12	33.33	60.55	39.5	6.34	33.66	60.00	40.0	12.68	40.91	46.41	53.6
6	1250	3538	5212	47.9	5.19	28.67	66.14	33.9	5.50	29.87	64.64	35.4	10.75	35.12	54.12	45.9	8.00	32.19	59.80	40.2	18.65	39.75	41.60	58.4
14	1610	3807	4583	54.2	8.55	33.04	58.41	41.6	19.91	41.82	38.27	61.7	15.89	41.36	42.75	57.3	15.09	38.83	46.08	53.9	18.24	36.45	45.30	54.7

Appendix U

RCI Results 2019_21 (4 years data for Unclassified Roads)

Random	Network			RCI	A Roads			RCI	B Roads			RCI	C Roads			RCI	Classified Roads			RCI	U Roads			RCI
	Red	Amber	Green		Red	Amber	Green		Red	Amber	Green		Red	Amber	Green		Red	Amber	Green		Red	Amber	Green	
19	235	19.81	77.84	22.2	2.20	23.63	74.18	25.8	1.97	18.72	79.31	20.7	1.91	14.22	83.87	16.1	2.02	18.85	79.13	20.9	2.72	20.92	76.36	23.6
30	285	20.88	76.28	23.7	1.41	16.23	82.37	17.6	1.79	20.32	77.89	22.1	1.28	12.88	85.84	14.2	1.37	14.60	84.02	16.0	3.40	23.24	73.36	26.6
15	315	21.54	75.31	24.7	2.22	21.08	76.70	23.3	1.52	18.37	80.12	19.9	1.82	17.14	81.04	19.0	1.83	18.36	79.81	20.2	4.75	25.41	69.84	30.2
Aberdeen	492	23.49	71.59	28.4	3.28	17.84	78.88	21.1	3.32	20.46	76.22	23.8	5.02	17.91	77.06	22.9	3.92	18.34	77.74	22.3	5.28	25.32	69.40	30.6
26	335	25.11	71.55	28.5	2.51	22.08	75.41	24.6	3.62	27.17	69.21	30.8	5.48	31.35	63.17	36.8	3.72	26.33	69.95	30.1	3.13	24.39	72.49	27.5
10	436	24.14	71.50	28.5	2.89	23.67	73.44	26.6	1.77	20.51	77.72	22.3	2.29	19.04	78.67	21.3	2.22	20.46	77.32	22.7	6.74	28.21	65.05	35.0
32	431	25.21	70.48	29.5	4.76	26.59	68.65	31.3	3.06	23.87	73.07	26.9	2.73	18.21	79.06	20.9	3.99	22.43	73.97	26.0	4.54	26.11	69.34	30.7
28	430	26.27	69.42	30.6	2.75	21.12	76.14	23.9	2.91	23.31	73.78	26.2	5.60	31.96	62.44	37.6	4.09	26.60	69.31	30.7	4.47	26.02	69.51	30.5
11	466	25.95	69.39	30.6	2.75	16.70	80.54	19.5	2.41	16.48	81.11	18.9	4.83	22.09	73.09	26.9	3.33	18.27	78.40	21.6	5.07	28.30	66.63	33.4
22	464	26.32	69.04	31.0	2.87	23.45	73.68	26.3	5.33	32.01	62.66	37.3	4.03	23.89	72.07	27.9	4.12	25.96	69.91	30.1	5.20	26.70	68.10	31.9
5	464	27.19	68.17	31.8	2.02	17.67	80.31	19.7	3.07	22.66	74.26	25.7	4.24	24.52	71.23	28.8	3.26	21.96	74.77	25.2	5.38	30.02	64.60	35.4
27	552	26.44	68.04	32.0	2.16	17.26	80.58	19.4	2.28	21.40	76.32	23.7	6.22	27.27	66.51	33.5	4.20	23.12	72.69	27.3	6.19	28.14	65.67	34.3
2	453	27.65	67.82	32.2	3.01	25.17	71.82	28.2	3.30	28.16	68.54	31.5	2.77	22.99	74.24	25.8	3.00	25.21	71.79	28.2	6.21	30.36	63.43	36.6
1	493	27.55	67.52	32.5	5.67	24.92	69.41	30.6	5.60	27.75	66.65	33.4	4.01	27.91	68.08	31.9	5.07	26.89	68.04	32.0	4.83	28.02	67.16	32.8
24	546	27.93	66.61	33.4	4.90	24.46	70.64	29.4	4.81	24.13	71.06	28.9	4.96	26.87	68.17	31.8	4.88	24.93	70.19	29.8	5.67	29.03	65.30	34.7
25	631	28.34	65.35	34.6	2.35	19.79	77.86	22.1	4.36	23.40	72.24	27.8	3.60	25.51	70.89	29.1	3.46	22.97	73.57	26.4	8.45	32.35	59.20	40.8
21	550	29.24	65.26	34.7	1.22	14.46	84.32	15.7	5.78	29.18	65.04	35.0	3.33	29.09	67.58	32.4	3.20	23.49	73.31	26.7	8.40	36.47	55.13	44.9
4	534	29.54	65.12	34.9	7.35	30.32	62.33	37.7	4.54	30.30	65.16	34.8	4.12	29.23	66.65	33.4	5.22	29.83	64.94	35.1	5.49	29.16	65.35	34.7
29	573	29.57	64.70	35.3	2.40	18.45	79.15	20.8	5.00	29.67	65.33	34.7	5.38	33.50	61.12	38.9	4.99	29.09	66.32	33.7	6.15	29.75	64.10	35.9
Scotland LA	678	28.75	64.47	35.5	4.46	25.33	70.21	29.8	5.75	28.22	66.03	34.0	5.81	27.83	66.36	33.6	5.39	27.20	67.41	32.6	8.10	30.22	61.67	38.3
31	611	29.83	64.05	35.9	2.80	23.72	73.47	26.5	1.92	16.53	81.55	18.5	3.35	24.04	72.61	27.4	2.67	21.60	75.73	24.3	8.26	34.98	56.75	43.2
13	805	28.31	63.64	36.4	2.31	15.02	82.67	17.3	3.27	20.82	75.92	24.1	6.31	24.93	68.76	31.2	4.33	21.52	73.95	26.0	9.93	31.93	58.14	41.9
18	806	28.76	63.18	36.8	3.43	18.63	77.94	22.1	5.35	27.29	67.35	32.6	6.61	26.85	66.55	33.5	5.37	25.00	69.63	30.4	10.35	31.96	57.69	42.3
17	697	30.10	62.93	37.1	7.46	28.87	63.67	36.3	4.15	28.42	67.43	32.6	8.76	36.13	55.11	44.9	6.92	31.94	61.13	38.9	7.01	28.62	64.37	35.6
16	824	29.09	62.67	37.3	6.13	25.55	68.32	31.7	4.91	22.80	72.28	27.7	4.92	24.73	70.35	29.6	5.49	24.81	69.71	30.3	9.05	30.35	60.60	39.4
23	647	31.31	62.21	37.8	4.55	29.01	66.44	33.6	5.36	29.73	64.91	35.1	6.11	30.68	63.20	36.8	5.94	29.81	64.85	35.2	7.04	32.08	60.88	39.1
9	881	30.33	60.86	38.1	4.09	25.67	70.23	29.8	6.21	30.82	62.97	37.0	8.30	30.93	60.77	39.2	6.22	28.97	64.81	35.2	12.16	32.09	55.75	44.3
3	896	31.90	59.13	40.9	5.52	28.57	65.91	34.1	7.24	30.02	62.74	37.3	7.98	32.79	59.23	40.8	7.19	30.88	61.94	38.1	10.54	32.81	56.65	43.3
8	635	34.61	59.04	41.0	5.89	28.28	65.88	34.2	5.46	30.57	63.97	36.0	4.45	39.06	56.48	43.5	5.99	31.74	62.86	37.1	7.73	38.77	53.50	46.5
20	974	32.08	58.19	41.8	4.42	28.20	67.38	32.6	6.87	35.10	58.03	42.0	8.59	33.39	58.02	42.0	6.44	31.85	61.71	38.3	13.55	32.33	54.11	45.9
12	867	34.83	56.49	43.5	5.44	31.06	63.50	36.5	6.98	33.41	59.61	40.4	6.19	31.96	61.85	38.1	6.26	32.21	61.53	38.5	12.51	39.00	48.49	51.5
6	12.08	35.88	55.54	47.5	5.24	28.52	66.24	33.8	4.72	30.33	64.95	35.1	9.33	34.66	56.01	44.0	7.08	32.08	60.84	39.2	18.85	39.87	41.28	58.7
14	15.15	37.31	47.53	52.5	8.39	31.95	59.66	40.3	18.94	40.75	40.31	59.7	14.96	41.03	44.02	56.0	14.39	37.97	47.64	52.4	16.77	35.93	47.30	52.7

Appendix V - Feb 2021

ABERDEEN CITY SRMCS RCI 2020

System: WDM

PMS

System Version: 4.11.0

Run Identifier: SRMCS PI

Calculation Date: 06 October 2020

RP10.01

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From Date: 01 January 2020

To Date: 31 December 2021

Report Run Date: 10 October 2020 Rule Set ID: RP10.01

Weighting Set ID: WSAIIClassesv0202

SPI CARRIAGEWAY CONDITION INDICATOR

26.7

Results from Network Lengths Surveyed

Environment	Class	Red		Amber 1		Green		Coverage		Network Km
		Km	%	Km	%	Km	%	Km	%	
Urban	A	1.563	3.25	8.806	18.31	37.717	78.44	48.086	50.35	95.500
	B	0.369	4.02	1.833	19.97	6.979	76.02	9.181	23.78	38.600
	C	1.867	6.54	5.366	18.79	21.325	74.67	28.558	35.74	79.900
	U	3.239	4.63	18.039	25.78	48.703	69.59	69.981	11.18	625.800
	A	0.120	1.50	0.881	10.98	7.021	87.52	8.022	34.06	23.550
	B	0.040	0.42	1.349	14.24	8.084	85.34	9.473	115.52	8.200
Rural	C	0.265	2.84	1.446	15.49	7.623	81.67	9.334	69.14	13.500
	U	0.434	3.68	1.521	12.88	9.852	83.44	11.807	11.68	101.100
	A	1.683	3.00	9.687	17.26	44.738	79.74	56.108	47.13	119.050
	B	0.409	2.19	3.182	17.06	15.063	80.75	18.654	39.86	46.800
	C	2.132	5.63	6.812	17.98	28.948	76.40	37.892	40.57	93.400
	U	3.673	4.49	19.56	23.92	58.555	71.59	81.788	11.25	726.900
Urban	All	7.038	4.52	34.044	21.85	114.724	73.63	155.806	18.55	839.800
Rural	All	0.859	2.22	5.197	13.45	32.580	84.33	38.636	26.4	146.350
All		7.897	4.06	39.241	20.18	147.304	75.76	194.442	19.72	986.150

Appendix W

Results of Surveys Weighted Across Total Network Lengths

Environment	Class	Red		Amber		Green		Coverage		Network
		Km	%	Km	%	Km	%	Km	%	Km
Urban	A	3.104	3.25	17.49	18.31	74.91	78.44			95.500
	B	1.551	4.02	7.71	19.97	29.34	76.02			38.600
	C	5.224	6.54	15.01	18.79	59.66	74.67			79.900
	U	28.965	4.63	161.31	25.78	435.52	69.59			625.800
Rural	A	0.352	1.5	2.59	10.98	20.61	87.52			23.550
	B	0.035	0.42	1.17	14.24	7.00	85.34			8.200
	C	0.383	2.84	2.09	15.49	11.03	81.67			13.500
	U	3.716	3.68	13.02	12.88	84.36	83.44			101.100
Overall By Class	A	3.456	2.90	20.075	16.86	95.518	80.23			119.050
	B	1.586	3.39	8.874	18.96	36.340	77.65			46.800
	C	5.607	6.00	17.104	18.31	70.689	75.68			93.400
	U	32.681	4.50	174.336	23.98	519.883	71.52			726.900
Urban	All	38.844	4.63	201.521	24.00	599.435	71.38			839.800
Rural	All	4.486	3.07	18.869	12.89	122.994	84.04			146.350
All	All	43.330	4.39	220.390	22.35	722.430	73.26			986.150

Appendix X

SRMCS RCI REPORT - ABERDEEN CITY

Road Condition Index 2004-2021

