
ABERDEEN CITY COUNCIL

COMMITTEE	Urgent Business Committee
DATE	6 th May 2020
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 2020-2021
REPORT NUMBER	OPE / 20 / 081
DIRECTOR	Rob Polkinghorne
REPORT AUTHOR	Doug Ritchie
TERMS OF REFERENCE	UBC 1

1. PURPOSE OF THE REPORT

- 1.1 This report brings together the proposed roads and transportation programme from the approved capital budgets for 2020/2021. This is presented as a provisional programme. Members are asked to approve the specific schemes where detailed and the additional provisional reserve programmes for 2020/21. This report should be read in conjunction with the exempt appendices.
- 1.2 It is vital and business critical that these schemes are approved at the Urgent Business Committee to allow officers to continue with the designs and procurement preparations of the numerous capital schemes / contracts. This will allow the capital programme to be advanced quickly on our return from the lockdown period caused by the COVID 19 pandemic and assist to stimulate the local economy through material suppliers / consultants and local contractors, and forms part of our COVID 19 economic response.

2. RECOMMENDATIONS

That the committee:-

- 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 2020/21 and award contracts relating thereto.

3. BACKGROUND

- 3.1 It is important to acknowledge that the design development and construction of capital projects has been impacted by the COVID-19 pandemic.
- 3.2 In lieu of the impact the Scottish Government advised local authorities (contracting authorities) to immediately:
 - **“Urgently review their contract portfolio and inform suppliers who they believe are at risk that they will continue to be paid as normal** (even if service delivery is disrupted or temporarily suspended) until at least the end of June. Contracting authorities can define ‘at risk’ according to need.
 - **Put in place the most appropriate payment measures to support supplier cash flow**; this might include a range of approaches such as forward ordering, **payment in advance/prepayment**, interim payments and payment on order (not receipt).
 - If the contract involves **payment by results** then payment should be **on the basis of previous invoices**, for example the average monthly payment over the previous three months.
 - **To qualify, suppliers should agree to act on an open book basis** and make cost data available to the contracting authority during this period. **They should continue to pay employees and flow down funding to their subcontractors.**
 - Ensure **invoices submitted by suppliers are paid immediately on receipt** (reconciliation can take place in slower time) in order to maintain cash flow in the supply chain and protect jobs.”

- 3.3 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.
- 3.4 This report brings together, for members’ information, the proposed programme for capital funding spend for both Roads and Transportation for 2020/2021 together with provisional reserve list programme for 2020/2021.
- 3.5 The provisional reserve programme for 2020/2021 will allow substitution of schemes should it not be possible to implement any of the proposed 2020/2021 schemes.
- 3.6 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	£400,000
B.	Lighting Improvements	£2,960,000
C.	Reserve lighting improvements	(For approval if required)
D.	Cycling Walking Safer Routes	£1,002,000
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 & Major Bridge repairs	£230,000
	Road sign replacement	£30,000
L.	Flooding and Coastal protection schemes	£1,360,000
P1.	A92 / A96 – detrunked section programme 2020/21	£314,000
P2.	Reserve list for A92 /A96	(For approval if required)
R.	Additional Investment in Roads	
	Capital allocation 2020/21	£3,000,000
S.	NESTRANS Related works	£956,500
		<u>Total £13,230,500</u>

N.	Revenue Works (for Information only)	Total	£5,267,000
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- 3.7 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 may be put out to tender in the open market.
- 3.8 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.

3.9 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.

3.10 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.

4. FINANCIAL IMPLICATIONS

4.1 Expenditure will be in accordance with the council's approved capital budgets for 2020 - 2021.

5. LEGAL IMPLICATIONS

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

6. 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 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 COVID 19	H	The approval of the budget spends will allow staff to control the programming of the works. There is a need to ensure that there are sufficient adequately trained staff resources to deliver the proposed programmes within the specified timescales. Depending on the length of the current lockdown due to the pandemic this may affect the delivery of the capital programme
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

7. OUTCOMES

Local Outcome Improvement Plan Themes	
	Impact of Report
Prosperous Economy	Investment in infrastructure
Prosperous Place	Safe and resilient communities

Design Principles of Target Operating Model	
	Impact of Report
Customer Service Design	<p>Improved Customer Experience - City Voice, the panel of Aberdeen residents who are contacted on a regular basis and asked for their views on a range of issues, is used to develop a statistically analysed pattern of response to basic aspects of asset management.</p> <p>The views of affected residents and road users are sought on our performance on specific schemes. Records held in the Confirm (Roads Maintenance Management) System and records of claims by road users against alleged defects can be analysed to indicate areas of concern. Specific surveys may be carried out from time to time to address specific areas of concern. Results of these various analyses can be used in conjunction with inspection data to establish customers' areas of concern and expectations of the maintenance of the roads network.</p>
Organisational Design	Our organisational structure is such that it reflects our services and the statutory duties we have to deliver.
Governance	The asset management plan will be used to manage the allocated budget and spend over several years to continue to optimise our use of resources to continue to provide best value.
Workforce	Need to ensure that there are sufficient adequately trained staff resources to deliver the proposed programmes
Process Design	Required technical staff to understand improved innovative processes that will assist in an improved service delivery and best value.
Technology	There is a need to modify the reporting systems from paper to digital in order to measure outputs.
Partnerships and Alliances	Continue to improve on customer information relating to works delivery.

8. 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

9. 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

10. APPENDICES

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

Please note that the individual scheme costs have not been included as appendices A to S 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 **£400,000** 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 **£2,960,000**. **£1,000,000** will be used, in the majority, for the replacement of lighting columns that have been identified as potentially dangerous or beyond their design life. **£1,960,000** 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 2020/2021 will allow substitution of schemes should it not be possible to implement any of the proposed 2020/2021 schemes.

Appendix D: Cycling Walking Safer Routes. A grant of **£1,002,000** 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 2020/2021 will allow substitution of schemes should it not be possible to implement any of the proposed 2020/2021 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 2020/2021 will allow substitution of schemes should it not be possible to implement any of the proposed 2020/2021 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 2020/2021 will allow substitution of schemes should it not be possible to implement any of the proposed 2020/2021 schemes.

Appendix K: Weak & major bridge repairs. A capital budget of **£30,000** has been allocated for weak bridge repairs 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.

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

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

Appendix P1: A92, A96 De-trunked roads, resurfacing: main list 2020/21

is the proposed programme of works to be carried out on the A92 / A96 – detrunked section of road during 2020 / 21. These works will be funded from the money allocated from Transport Scotland. **£314,000**

Appendix P2: A92, A96 De-trunked roads, resurfacing: reserve list 2020/21

The provisional reserve programme for 2020/2021 will allow substitution of schemes should it not be possible to implement any of the proposed 2020/2021 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

P1 & P2 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 R: 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 – (Partially completed and remainder C/F to 2020/21)

2020-21 - £3.0 Million

2021-22 - £4.0 Million

The proposed schemes for implementation during 2020-21

Carriageway Resurfacing Repairs	£1,488,364
Junctions / Utility Tracks / Recurring Pothole Areas	£474,861
Additional Investment in Footways	£1,016,775
Total	£3,000,000

Appendix S: NESTRANS contribution for maintenance works. This sum of **£956,500** is to be used on strategic corridors towards lighting / ITS and resurfacing works for 2020 / 21.

Appendix T & U: provides an explanation of the road condition index.

Appendix V: is copy of the table showing the RCI for all councils across Scotland.

Appendix W & X shows the road condition index for the single year

Appendix Y 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.

11. REPORT AUTHOR CONTACT DETAILS

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Appendix A - Traffic Lights and Pedestrian Crossings Programme 2020/21

Refurbishment programme 2020/21

Site	Budget	Installation	Type	Code	Allocation	Estimated Cost
George Street / ST Andrew Street	capital	Refurb'	Junction	N/A	N/A	exempt
Rosemount Place / Esslemont Avenue	capital	Refurb'	Junction	N/A	N/A	exempt
ST Machar Drive / High Street / Chanonry	capital	Refurb'	Junction	N/A	N/A	exempt
Great Southern Road at Bridge of Dee	capital	Refurb'	Dual Puffin	N/A	N/A	exempt
Skene Road near Groats Road	capital	Refurb'	Puffin	N/A	N/A	exempt
Queens Road / Springfield Road	capital	Refurb'	Junction	N/A	N/A	exempt
Queens Road at Albyn School	capital	Refurb'	Puffin	N/A	N/A	exempt
					Total	£400,000

Reserve list 2020/21

Site	Budget	Installation	Type	Code	Allocation	Estimated Cost
John Street / Charlotte Street	capital	Refurb'	Junction	N/A	N/A	exempt
Great Western Road / Forest Avenue	capital	Refurb'	Junction	N/A	N/A	exempt
Esslemont Avenue / Leaside Road	capital	Refurb'	Junction	N/A	N/A	exempt
Victoria Street / Pitmedden Road	capital	Refurb'	Junction	N/A	N/A	exempt
Victoria Street, Dyce	capital	Refurb'	Puffin	N/A	N/A	exempt
Garthdee Road at Sainsbury's	capital	Refurb'	Puffin	N/A	N/A	exempt
Great Northern Road at St Machar Drive	capital	Refurb'	Puffin	N/A	N/A	exempt
Provost Watt Drive at Great Southern Road	capital	Refurb'	Dual Puffin	N/A	N/A	exempt
Jesmond Drive at Glashieburn Primary	capital	Refurb'	Puffin	N/A	N/A	exempt
					Total	£400,000

Appendix B - Proposed Lighting Capital Programme 2020/21

SCHEME	ESTIMATE £	COMMENTS
Corroded Column Replacement		
N. Deeside Road Corroded Columns	exempt	67 columns
Mannofield/ Braeside/ Airyhall Corroded Columns	exempt	17 columns
Ferryhill Corroded Columns	exempt	22 columns
Garthdee/ Ruthrieston Corroded Columns	exempt	6 columns
Kincorth Corroded Columns	exempt	75 columns
Cove/ Altens Corroded Columns	exempt	80 columns
Torry/ Tullos Corroded Columns	exempt	10 columns
Wall box/ Feeder Pillar replacements Countesswells Ave	exempt	30 number
Ann Street Corroded Column replacement	exempt	20 columns
Immediate replacements of Corroded Columns	exempt	6 columns
		75 columns
Corroded Column Replacement Total	£500,000	
Testing		
Electrical Testing	exempt	5500 units
Structural Testing	exempt	3000 units
Column / cable replacements		
<i>8/10 m Height</i>		
Cloverhill Road	exempt	3 columns
Column replacements in conjunction with carriageway resurfacing programming	exempt	55 columns, trackwork and SSE
Groats Road	exempt	9 columns
Spital Walk	exempt	replace lobby services with cabled network
<i>5/6 m Height</i>		
Deevale area	exempt	55 columns, trackwork and SSE
Lane Hamilton Pl/ Carden Pl	exempt	strainer columns replacement
FP Samphrey Rd to Groats Rd	exempt	whole street – 18 No columns
Willowpark area	exempt	9 Concrete column replacement
Column replacements in conjunction with carriageway resurfacing programming	exempt	39 columns
Footways / Resurfacing Contract	exempt	
Column / cable replacements Total	£500,000	
Capital Total	£1,000,000	
Energy/Carbon Savings		
Replacement of inefficient lanterns with LED: -		
Phase City East (Bridge of Don, Seaton, Old Aberdeen, City Centre North, City Centre South, Ferryhill)	exempt	6500 units
Phase City Centre West (Midsocket, Rubislaw, Mannofield, Kings Gate, Craigiebuckler, Hazlehead)	exempt	7,000 units
Energy/Carbon Total	£1,960,000	

Appendix C - Proposed Lighting Reserve Capital Programme 2020,21

SCHEME	ESTIMATE £	COMMENTS
Corroded Column Replacement		
Craigiebuckler/ Hazlehead - Corroded Columns	exempt	
Rubislaw - Corroded Columns	exempt	
City Centre - Corroded Columns	exempt	
Hanover/ Harbour - Corroded Columns	exempt	
Rosemount - Corroded Columns	exempt	
Summerhill - Corroded Columns	exempt	
Corroded Replacement Total	£210,000	

Column/cable Replacement		
<i>8/10 m Height</i>		
King Street/ St Machar R/A	exempt	11 columns
Beach Boulevard R/A	exempt	4 columns
A947, R/A @ Marriott, Dyce	exempt	5 columns
Northcote area	exempt	17 Concrete column replacement
Concrete Column replacement - various	exempt	Kings gate
<i>5/6 m Height</i>		
Concrete Column replacement - various		Phase 1
Mearns St	exempt	additional columns
Laurel grove	exempt	additional columns
Fittick Pl lane, Cove	exempt	additional columns
Howes Rd - from Davidson Dr	exempt	additional columns
Column/cable Replacement Total	£279,000	

Capital Total	£489,000
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Budget Pressure funding corroded column replacement	£395,000
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Concrete Columns 8 to 10m		
Hilton Dr	Greenfern Rd	Countesswells Rd
Hilton Rd	Long Walk Rd	Manor Ave- Prov. Rust to Logie Tce
Springfield Rd	Provost Fraser Dr	Westburn Drive
Provost Rust Dr	Springhill Rd	Rosehill Dr
Victoria St, Dyce	Union Grove	Cairncry Rd
A947 - Polo Gdns to Stoneywood Park	Upper Mastrick Way	
	Garthdee Road	

Concrete Columns up to 6m		
Birkhall Parade	Windford Rd	Fernhill Rd
Cairnwell Dr	Windford Sq	Gairnshiel Ave
Colonsay Cres	Whinhill Gdns	Gairnshiel Pl
Jura Pl	Arnage Cres	Gillahill Pl
Kingsford Rd	Arnage Dr	Gillahill Rd
Lewis Rd car parks	Arnage Gdns	Hawthorn Cres
Maidencraig Pl	Burnbrae Pl	Invercauld Gdns
Mull Way	Cairnwell Ave	Invercauld Pl
Sheddocksley Dr	Craigendarroch Ave	Isla Pl
Stroma Tce	Craigendarroch Pl	Mastrick Dr
Tiree Crescent	Croft Pl	N.A.D. inset @155
Privet Hedges	Stocket Parade	Teviot Rd

Spey Rd	Tay Rd	West Cairncry Rd
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Appendix D - Cycling Walking Safer Routes 2020/21

PROPOSALS	DESCRIPTION OF WORK	LOCATIONS/ ESTIMATED COSTS	OVERALL BUDGET	ELEMENT
01- Walking network	Where review/ investigation shows a requirement for small improvements to pedestrian routes, including tactile paving, additional path network, pedestrian guard-rails, toucans or pelican crossings	Budget of £110,000 for implementation at various locations City wide. Including crossing upgrade on Garthdee Road £25,000, upgrade zebra beacons £20,000 and Canal Rd Bridge £20,000. Local Councillors to be kept appraised.	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 completion of the upgrade of school VMS £67,000, increased 20mph around schools and footway changes at Ferryhill School £20,000. Support of road safety educational programmes.	exempt	All
03- Cycling infrastructure	Small scale cycling facilities, links, parking, lining & signing throughout the City to improve and expand the network	Budget of £100,000 for implementation at various locations City Wide. Schemes include £50,000 continuation of Dyce Drive Cycle/ Pedestrian provisions, £14,477 i-bike officer 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 of £40,000 for implementation at various locations citywide. Local members to be kept appraised.	exempt	All
05- Road safety general	Route action work on various routes and locations citywide that have been identified for improvements from	Signing, lining and ancillary works as identified on rural routes.	exempt	Safer Routes

	the annual accident scan.			
06- Campaigns and events	Support in relation to Road Safety Campaigns & Community Safety including Safe Drive - Stay Alive Campaign, Rider Refinement, Other Cycling Initiatives across the City, Green Transport & European Mobility week.	Budget of £15,000 for Aberdeen City Contribution Local Transport Strategy Policy / Proposal SP1, including £7,000 support of the EV infrastructure.	exempt	All
07- Public Transport Improvements	Small scale or minor amendments to bus facilities.	Including improved turning facilities for buses, bus gate at College Bounds and waiting areas for passengers.	exempt	Safer Routes
08- Aberdeen City Council Road Safety Plan	Implementation of targets identified in the ACC RSP	Including proposed implementation of 20mph zones in residential, shopping areas and schools.	exempt	All
09 - Major project	Implementation of a segregated cycle link.	Craigshaw Drive Cycle Links (joint funded with Sustrans/ Nestrans) - Total project cost est. £1,000,000	exempt	Cycling
10 – Major projects	Design and contract preparation for signalisation of junction to improve safety for all users.	King Street/ St Machar Drive roundabout replacement with signalised junction.	exempt	All
11 - Major projects	Upgrade of existing strategic cycle network.	Resurfacing of strategic shared pedestrian/ cycle routes (sections of A944 and A96).	exempt	Cycling/ Walking
12 - Major projects	Introduction of sustainable travel improvements.	SUMP Phase 1 - City centre	exempt	All
		TOTAL	£1,002,000	

Appendix E - Capital Footway: Main List 2020/21

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
Great Southern Road	Westside footway from Riverside Drive to opposite of No 119. Reset selected kerbs and resurface in bitmac	77	723	exempt
Kirkhill Road	Southside footway - Dyce Drive to Forties Road. Renew all kerbs and resurface footway in bitmac.	77	690	exempt
Kincorth Place	Southside footway - Provost Watt Drive to access to Mark Bush Court, renew all kerbs and resurface footway in bitmac	77	444	exempt
Kincorth Place	Northside footway - Covenanters Row to No 32/34. Renew all kerbs and resurface footway in bitmac	77	401	exempt
Eday Road	Northside footway- Stronsay Drive to Eday Crescent. Reset selected kerbs and resurface footway in bitmac	76	451	exempt
Sheddocksley Road (Phase 1)	Both footways from Kingsford Road to Maidencraig Place. Renew all kerbs and resurface footway in bitmac	74	755	exempt
North Deeside Road	South side footway from number 49 to Station Road East, renew selected kerbs and resurface footway in bitmac.	74	713	exempt
Gray Street	Eastside footway from house No 89 to No 49. Remove 6 mature trees, reset selected kerbs and resurface footway in precast concrete slabs.	Previous Commitment	310	exempt
Total Capital Budget Planned Footways:				£600,000

Appendix F - Capital Footway: Reserve List 2020/21

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 2)	Various locations on both footways - Duthie Place to Hutchison Terrace. Realign all kerbs and resurface the footway in precast concrete slabs.	70	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
East Main Avenue	Westside footway - Mastrick Drive to Arnage Drive. Renew all kerbs and resurface footway in bitmac	69	390	exempt
Bright Street	Westside footway - Sycamore Place to Murray Terrace. Renew selected kerbs and resurface footway in bitmac	69	372	exempt
Albyn Place	Southside Footway - Harlaw Academy to Holburn Surgery (excluding St Margaret's school frontage). Renew selected kerbs and resurface footway in slabs	69	343	exempt
Trinity Quay	Northside footway - Market Street to Shore Brae. Renew selected kerbs and resurface footway in precast concrete slabs	69	288	exempt
Gairnshiel Avenue	Westside footway - Invercauld Gardens to Invercauld Road. Renew all kerbs and resurface footway in bitmac	69	249	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
Alford Place	Northside footway - Victoria Street to No510 Union Street. Reset selected kerbs and resurface footway in precast concrete	68	240	exempt

Eday Road	Southside footway - Stronsay Drive to Ferneilea Place. Reset selected kerbs and resurface footway in bitmac	68	494	exempt
Rubislaw Park Road	Westside footway - Queens Road to Springfield Avenue. Reset selected kerbs and resurface footway in bitmac.	68	268	exempt
Sheddocksley Road (Phase 2)	Both footways - Maidencraig Place to Sheddocksley Drive. Renew all kerbs and resurface footway in bitmac	68	661	exempt
Sheddocksley Road (Phase 3)	Both footways - Bellfield Road to Kingsford Road. Renew all kerbs and resurface footway in bitmac	68	685	exempt
Kirkhill Place	Westside/Northside footways - Kirkhill Road to Dyce Drive. Renew all kerbs and resurface footway in bitmac	67	1261	exempt
Denmore Gardens	Both footways - Scotstown Road to Cairnfold Road. Renew all kerbs and resurface footway in bitmac.	67	1219	exempt
Countesswells Crescent	Outer footway from No 1 to No 63. Renew all kerbs and resurface footway in bitmac.	67	1134	exempt
Balmoral Road	Northside footway - Hardgate to Gairn Terrace. Reset selected kerbs and resurface footway in bitmac	67	1112	exempt
Countesswells Crescent	Inner footway from No 36 to No 2. Renew all kerbs and resurface footway in bitmac.	67	1003	exempt
Grampian Road	Westside footway- Polworth Road to Grampian Place. Reset selected kerbs and resurface footway in bitmac.	67	813	exempt
Fowler Avenue	Southside footway - Newton Road to Cummings Park Road. Reset selected stone kerbs and renew slabs.	67	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
Gray Street	Westside footway - Great Western Road to Great Western Lane. Reset all kerbs and resurface footway in precast concrete slabs.	Previous Commitment	424	exempt
Dee Street	Various locations on both footways - Union Street to Dee Place. Renew slabs and reset kerbs	Previous Commitment	1340	exempt
Capital Footways Reserve List Total:			£2,978,687	

Appendix G - Capital Resurfacing: Main List 2020/21

Capital Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
Kepplehills Road	Newhills Avenue to Netherhills Avenue. Resurface carriageway	78	3041	exempt
East North Street	King Street to Justice Port Roundabout. Resurface sections of carriageway.	78	776	exempt
Queens Road	A92 to Kings Gate Roundabout – Carriageway repairs	76	680	exempt
Gordon Mills Road	Donbank Place to Gordon Mills Crescent. Resurface carriageway	75	1090	exempt
Market Street	Southbound - Commercial Quay to North Esplanade. Resurface carriageway	74	1994	exempt
West North Street	St Clair Street to Mounthooly Roundabout. Carriageway reconstruction	74	3097	exempt
Great Southern Road	Murray Terrace to Windhill Road. Resurface carriageway	73	1600	exempt
Wellheads Crescent (Phase 1)	Wellheads Drive to Wellheads Way. Resurface carriageway	72	4268	exempt
Wellheads Crescent (Phase 2)	Wellheads Way to Wellheads Drive. Resurface carriageway	72	3035	exempt
Dyce Drive	Pitmedden Road to A947. Resurface carriageway	72	1633	exempt
Guild Street-Magnus House	Westbound at Magnus House frontage. Resurface carriageway	72	360	exempt
Alexander Terrace	Whole road excluding inset road. Resurface carriageway	72	1839	exempt
Summer Street	Huntly Street to Skene Street. Resurface carriageway	72	1450	exempt
Albyn Grove	Albyn Place to Union Grove. Resurface carriageway	72	1950	exempt
Albyn Place	Union Street to Albyn Grove. Resurface carriageway	72	1300	exempt

Wellington Road	Southbound - Grampian Place to Balnagask Road. Resurface carriageway	71	3300	exempt
Whitestripes Road	Whitestripes Avenue to Upper Persley Road. Carriageway repairs	70	1900	exempt
Rosemount Place	Westfield Road to Eden Place. Resurface carriageway	70	5083	exempt
Westburn Road	Berryden Road to No120. Resurface carriageway	70	4600	exempt
Binghill Crescent	Binghill Road to No15. Resurface carriageway	70	1439	exempt
Tollohill Lane	Cairngorm Drive to Tollohill Square. Resurface carriageway	70	394	exempt
Victoria Road	Mansefield Road to Sinclair Road. Resurface carriageway	69	6100	exempt
Skene Road A944	Auchlea Farm to B9119 slip road. Resurface carriageway	69	2400	exempt
Jesmond Drive	Jesmond Road to back of No14 Forvie Circle. Resurface carriageway	69	910	exempt
Kirkhill Place East Side	Ladywell Place to Tullus School Lodge. Carriageway reconstruction	69	1008	exempt
Oldcroft Place	Stockethill Avenue to Roundabout. Resurface 2m wide strip on Northbound carriageway.	69	607	exempt
Elphinstone Road	Whole road. Resurface carriageway	68	2100	exempt
Dyce Drive (Phase 1)	Kirkhill Place to Howe Moss Drive. Resurface carriageway	68	2974	exempt
Total Capital Budget Planned Resurfacing:			£2,288,000	

Appendix H - Capital Resurfacing: Reserve List 2020/21

Name of Road	Location and Description of Works	Assessed condition score	Area (m ²)	Cost
Kirk Brae	Ladyhill Road to Countesswells Road. Carriageway resurfacing	Previous Commitment	3000	exempt
Grampian Road - Phase 2	Grampian Road to Polworth Road. Carriageway resurfacing	Previous Commitment	2300	exempt
Beaconhill Road	Carriageway resurfacing	Legal Commitment	2915	exempt
Summer Street Car Park	Huntly Street to Union Wynd. Carriageway resurfacing	68	635	exempt
Skene Road A944	Eastbound - The Lodge to the filling station. Resurface carriageway	68	5535	exempt
Skene Road A944	Westbound - The Lodge to Smiddybrae Works. Resurface carriageway	68	6831	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
North Deeside Road	Den of Cults to St Devernicks Place, Inc Section at Cults Hotel. Carriageway resurfacing	68	1140	exempt
Six Roads Roundabout	Carriageway resurfacing	68	3940	exempt
Milltimber Brae East	Carriageway resurfacing	68	1150	exempt
Hutcheon Street	George Street to Berryden Road. Carriageway resurfacing	67	3600	exempt
Crown Street	Ferryhill Road to No 161. Carriageway resurfacing	67	2279	exempt
Mastrick Drive	No 2 to No 16. Resurface carriageway	67	652	exempt
Hutcheon Street	George Street to Berryden Road. Resurface carriageway	67	3600	exempt
St Andrew Street	George Street to Charlotte Street. Carriageway resurfacing	67	831	exempt
Skene Road A944 - Kingsford	Westbound - DJ Automotive Engineering access to ~100 meters before B9119-Tarland Road. Resurface carriageway	66	6835	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
Polmuir Road	Devanha Gardens to Polmuir Avenue. Resurface carriageway	66	3225	exempt
Whitehall Place	Albert Street to Whitehall Avenue. Resurface carriageway	66	2700	exempt
Bankhead Road	Greenburn Drive to Bankhead Avenue. Resurface carriageway	66	2200	exempt
Greyhope Road	Various location along road. Structural repairs	66	900	exempt
Meston Walk	Whole Road. Resurface carriageway	66	1500	exempt
Granville Lane West	Whole Road. Resurface carriageway	66	1120	exempt
Queen Street (Hilton)	Great Northern Road to Clifton Road. Resurface carriageway	66	850	exempt

Meston Walk	Whole road - Resurface carriageway	66	1500	exempt
Albyn Lane	Whole road - Structural Repairs	66	920	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
Cabel's Lane	South Esplanade West to Menzies Road. Structural repairs	66	738	exempt
Murray's Lane	Menzies Road to South Esplanade West. Structural Repairs	66	639	exempt
Great Southern Road Roundabout	Carriageway resurfacing at Riverside Drive	65	1250	exempt
Great Southern Road Roundabout	Carriageway resurfacing at West Tullos Road	65	400	exempt
Cranford Road	Great Western Road to Broomhill Road. Resurface carriageway	65	625	exempt
Binghill Road	North Deeside Road to Streetlight column No 19. Resurface carriageway	65	5605	exempt
King Street (2)	Frederick Street to Jasmine Terrace. Reconstruct Carriageway	65	3976	exempt
Fairley Road	Kingswood Drive to No 26. Resurface carriageway	65	2670	exempt
Belgrave Terrace	Craigie Loanings to Esslemont Avenue. Resurface carriageway	65	2660	exempt
Grosvenor Place	Belgrave Terrace to Whitehall Place. Resurface carriageway	65	2017	exempt
Rubislaw Den South	Forest Road to Anderson Drive. Structural repairs	65	1166	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 Deeside Road	Rob Roy Bridge to ACC-ASC Boundary. Resurface carriageway	64	3600	exempt
North Anderson Drive	Various locations along service roads. Resurface carriageway	64	3200	exempt
Mansefield Road	Glenbervie Road to Balnagask Road. Resurface carriageway	64	2300	exempt
Prince Albert Street	Osbourne Place to Carden Place. Resurface carriageway.	64	2250	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
Mansefield Road	Glenbervie Road to Balnagask Road - Resurface carriageway	64	500	exempt
Viewfield Avenue	Viewfield Crescent to Seafield Road Reconstruct Carriageway	64	2250	exempt
Souterhead Road (Phase 2)	Souterhead Roundabout to Cul de Sac. Resurface carriageway	64	1349	exempt
Dyce Drive (Phase 2)	Howe Moss Drive to Streetlight column No 128 (30 mph sign). Resurface carriageway	64	7263	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
Souterhead Road (Phase 1)	Altens Roundabout to Souterhead Roundabout. Resurface carriageway	64	4526	exempt
St Fittick's Road (2)	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
King's Gate-Service Road	No 141 to No 161. Resurface carriageway	64	1257	exempt
Ord Street	King's Gate to King's Cross Road. Resurface carriageway	64	1083	exempt
Netherview Road	Gordon Terrace to Glen Road. Resurface carriageway	64	951	exempt
Beach Esplanade	Links Road to York Street. Carriageway resurfacing	64	8280	exempt
Hilton Avenue	Rosehill Drive to Hilton Avenue. Resurface carriageway	64	776	exempt
King Street (1)	Union Street to Frederick Street. Reconstruct Carriageway	63	5571	exempt
Forest Road	Rubislaw Den South to Rubislaw Den North. Reconstruct Carriageway	63	2664	exempt
Rubislaw Den North	Moray Place to Forest Road. Repair Carriageway	63	2044	exempt
Holburn Roundabout	Carriageway resurfacing	63	1100	exempt
Gladstone Place	St Swithin Street to Forest Avenue. Resurface carriageway	62	4681	exempt
Beach Esplanade	Accommodation Road Northwards for 500m. Carriageway resurfacing	61	7100	exempt
Beach Esplanade	Accommodation Road Southwards for 500m. Carriageway resurfacing	61	7100	exempt
B9119 Skene Road, Queens Road	Various locations. Structural repairs	61	1750	exempt
Capital Resurfacing Reserve List Total				£7,271,695

Appendix J1 - Capital Drainage: Programme 2020/21

Name of Road	Location & Description of Works	Estimated Cost
Dunbar Street, The Chanonry	Additional gullies to resolve ponding areas	exempt
Meston Walk	At College Bounds additional gullies or reshape surface.	exempt
Airyhall Drive	Near No 18 additional gully and drainage	exempt
Ruthrieston Crescent	Reshape footways to remove ponding.	exempt
Ruthrieston Road	Additional gullies to resolve ponding areas	exempt
Inchgarth 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
Capital Drainage Total		£90,000

Appendix J2 - Capital Drainage: Reserve Programme 2020/21

Name of Road	Location & Description of Works	Estimated Cost
Wellington Road	Additional drainage to rectify ponding at Argyll	exempt
Dee Street	Additional gullies to resolve ponding areas	exempt
North Deeside Road	Additional gullies to resolve ponding areas near No 271number 271	exempt
Clinterty Road	Additional gullies to resolve ponding areas	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		£121,500

Appendix K - Capital Works: Major Bridge Repairs 2020/21

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
Weak bridge repairs (Victoria Bridge re-surfacing contract preparation)	exempt
Total	£60,000

Appendix L - Flooding and Coastal Protection Capital Works 2020/21

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
Feasibility and Scheme Dev for Riverside	exempt
Langstracht Drainage / Summerhill	exempt
Merchant Quarter Works	exempt
Sea Wall – survey / study & major repairs	exempt
Kingswells Old Skene Road	exempt
Reinstatement coastal defences Greyhope Road	exempt
Total	£1,360,000

Appendix M - Summary Capital Works 2020/21

Traffic Signal Refurbishment Programme:	£400,000
Lighting Programme:	£2,960,000
CWSR Capital Grant:	£1,002,000
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	£314,000
Additional Capital Investment in Roads:	£3,000,000
NESTRANS Related Works:	£956,500
Total	£13,230,500

Appendix N - Revenue Budget 2020/21

Budget
2020/21

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 **£5,267,000**

Appendix P1 – A92, A96 De-trunked roads, Resurfacing: Main List 2020/21

Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
A92 Anderson Drive	King's Gate to Queens Road, southbound. Resurface carriageway	71	6000	exempt
A92 Ellon Road	Murcar Roundabout to Aberdeenshire Boundary. Carriageway repairs.	70	850	exempt
A92, A96 De-trunked roads, Resurfacing: Main List Resurfacing:				£314,000

Appendix P2 – A92, A96 De-trunked roads, Resurfacing: Reserve 2020/21

Budget Planned

Name of Road	Location and Description of Works	Assessed condition score	Area (m²)	Cost
A92 Ellon Road	Murcar Roundabout to AECC Roundabout – southbound. Repair and resurface sections of carriageway.	69	5500	exempt
A92 North Anderson Drive	Rosehill Roundabout. Resurface carriageway	69	3150	exempt
A92 Stonehaven Road.	Garthdee Roundabout - Bridge of Dee Roundabout. Resurface carriageway	68	3150	exempt
A92 Ellon Road	Murcar Roundabout. Carriageway resurfacing.	68	1700	exempt
A92 Anderson Drive	Queen's Road to King's Gate, northbound. Resurface carriageway	67	6100	exempt
A96 Auchmill Road	Auchmill Terrace westwards for 820m, westbound. Carriageway Resurfacing.	67	6600	exempt
A92 Anderson Drive	Seafield Road Roundabout. Carriageway repairs.	67	300	exempt
A96 Auchmill Road	Church Lane eastwards for 300m, eastbound lane. Carriageway Resurfacing.	67	2250	exempt
A92 Ellon Road	AECC Roundabout. Carriageway resurfacing	66	1400	exempt
A92 North Anderson Drive	Edgehill Road to King's Gate, southbound Resurface carriageway	66	2400	exempt
A92 Parkway	Danestone Roundabout area. Carriageway resurfacing.	65	2650	exempt

A92 Stonehaven Road	Bridge of Dee Roundabout. Resurface carriageway	65	4000	exempt
A92 North Anderson Drive	Cairncry Road to Ashgrove Road, southbound Resurface carriageway	65	5300	exempt
A96 Auchmill Road	Auchmill Terrace westwards for 800m, eastbound lane. Carriageway Resurfacing.	65	6300	exempt
A92 Ellon Road	Murcar Roundabout to AECC Roundabout – northbound. Repair and resurface sections of carriageway.	64	2800	exempt
A92 North Anderson Drive	Ashgrove Road to Cairncry Road, Resurface carriageway	64	3400	exempt
A92 South Anderson Drive	Ruthrieston Road to Garthdee Roundabout, southbound. Resurface Carriageway.	64	2700	exempt
A92, A96 De-trunked roads, Resurfacing: Main List Resurfacing:				£2,517,000

Appendix R - Additional Investment in Roads 2020/21

Additional Capital Investment in Carriageway Resurfacing/Repairs

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
Countesswells Road (Phase 2)	Ben Reid Garden Centre to Kirk Brae. Carriageway repairs	Previous Commitment	3000	exempt
Contlaw Road (Phase 3)	Carriageway Repairs and Carriageway reconstruction	Previous Commitment	3500	exempt
Colthill Circle	Colthill Road to Binghill Crescent. Carriageway resurfacing	Previous Commitment	1171	exempt
Linmoor Road	Various locations. Carriageway repairs	Previous Commitment	800	exempt
Anguston Road	Various locations. Carriageway repairs	Previous Commitment	800	exempt
Commerce Street	Virginia Road to Waterloo Quay (Harbour). Carriageway resurfacing	74	2067	exempt
Nellfield Place	Holburn Street to Great Western Road. Carriageway resurfacing	72	2040	exempt
Beach Esplanade	From King Street eastwards for 500 metres. Structural repairs	72	450	exempt
Gordon Terrace	Victoria Street to No 26 Gordon Terrace. Carriageway resurfacing	68	1077	exempt
Macaulay Drive	Selected areas. Structural repairs	68	482	exempt
Hammersmith Lane	Rear of Broomhill School. Carriageway repairs	68	515	exempt
King Street	Bus Depot to Pittodrie Street. Structural repairs and resurfacing	68	3065	exempt
Kingsford Road	Springhill Road to Kingsford School including loop at Regensburg Court - Carriageway resurfacing	68	1709	exempt
Montgomery Road	Gordonmills Crescent to Donbank Place including both junctions. Carriageway resurfacing	68	1150	exempt
School Terrace	Full street. Carriageway resurfacing	68	415	exempt
Various Locations	Damaged setts and lockblock repairs	68	220	exempt
Slessor Drive	Caiesdykes Road to Gardner Drive. Carriageway resurfacing	67	2645	exempt
			Total:	£1,488,364

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

Name of Road	Location and Description of Works	Assessed condition score	Area (m ²)	Cost
Various Locations	City wide works in conjunction with developers.	Visual Inspection	900	exempt
Various Locations	City wide works in conjunction with utility companies	Visual Inspection	450	exempt
Various Locations	Structural resurfacing to setted roads	Visual Inspection	100	exempt
Various Locations	Structural repairs at Bus Stops	Visual Inspection	950	exempt
Various Locations	Structural repairs at Traffic Calming	Visual Inspection	1100	exempt
Various Locations	Structural repairs at Junctions	Visual Inspection	1400	exempt
Various Locations	Failing utility tracks	N/A	N/A	
Skene Street	Carriageway resurfacing at Rosemount Viaduct	70	1900	exempt
Woodend Crescent	Carriageway resurfacing at Queen's Road slip road	68	442	exempt
Braehead way	Carriageway resurfacing at Bodachra Road including speed cushions, access to shops and parking area at school	68	2200	exempt
Wellington Road	Carriageway resurfacing at Craigshaw Road	68	1800	exempt
Queen's Cross Roundabout	Carriageway resurfacing	66	1344	exempt
Beach Ballroom Esplanade Roundabout	Carriageway resurfacing	65	1950	exempt
Hazledene Road	Carriageway resurfacing at junction to Queen's Road.	64	79	exempt
Brighton Place	Carriageway resurfacing at junctions Union Grove and Great Western Road	64	1200	exempt
Total:				£474,861

Additional Capital Investment in Footways

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	N/A	N/A	exempt
King's Gate	Southside footway - Angusfield Avenue to Springfield Road. Renew selected kerbs and resurface in bitmac.	73	790	exempt
Kirkhill Road	Northside footway - Dyce Drive to Forties Road. Renew all kerbs and resurface footway in bitmac.	73	642	exempt
Abbotswell Drive	Northside footway - Provost Watt Drive to Markbush Court entrance. Renew selected kerbs and resurface footway in bitmac.	73	606	exempt
North Balnagask Road	Southside - Baxter Place to St Fitticks Road. Reset all kerbs and resurface footway in bitmac.	73	485	exempt
Hetherwick Road	Southside footway - Gardner Drive to Gardner Road. Renew selected kerbs and resurface footway in bitmac.	73	443	exempt
Craigendarroch Avenue	Westside footway - Cairnwell Drive to Invercauld road. Renew all kerbs and resurface footway in bitmac	73	365	exempt
Airyhall Avenue	Westside footway - Countesswells Road to Craigton Road. Reset selected kerbs and resurface footway in bitmac	72	846	exempt
Airyhall Avenue	Eastside footway - Counteswells Road to Craigton Road. Reset selected kerbs and resurface footway in bitmac	72	765	exempt
Craigendarroch Place	Both footways - Cairnwell Drive to Invercauld Road. Renew all kerbs and resurface footway in bitmac	70	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.	70	771	exempt
Hopecroft 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
Ardbeck Place	Northside footway. Renew kerbs and resurface footways with bitmac.	Previous Commitment	336	exempt
Ardbeck Place	Southside footway. Renew kerbs and resurface footways with bitmac.	Previous Commitment	342	exempt
Girdleness Road (Phase 3)	Southside remote footway - Gregness Gardens (West junction) to Lane at Bus Shelter (at No 122). Relay whin kerbs (Northside only) where necessary. New edging kerbs on Southside and resurface footway in bitmac.	Previous Commitment	330	exempt
Girdleness Road (Phase 4)	Southside remote footway - Lane at Bus Shelter (at No 122) to Ladywell Place. Relay whin kerbs (Northside only) where necessary. New edging kerbs on Southside and resurface footway in bitmac.	Previous Commitment	235	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

Countesswells Crescent	Inside footway from Countesswells Avenue (North junction) to opposite No 53. Renew kerbs and resurface footway in bitmac.	Previous Commitment	139	exempt
Endrick Place	Full footway. Renew all kerbs and resurface footway in bitmac.	Previous Commitment	273	exempt
Wellbrae Terrace	Eastside footway. Reset all kerbs and resurface footway in bitmac	Previous Commitment	296	exempt
Harlaw Terrace	Eastside footway - Harlaw Road to Harlaw Place. Relay stone kerbs and resurface footway with bitmac. Remove four large mature trees.	Previous Commitment	216	exempt
Stewart Crescent	Southside footway - Longlands Place to Whin Park Road. Renew all kerbs and resurface footway in bitmac	Previous Commitment	310	exempt
Additional Capital Investment in Footways Total:				£1,016,775

Additional Capital Investment in Carriageways:	£1,488,364
Additional Capital Investment in Junctions, etc:	£474,861
Additional Capital Investment in Footways:	£1,016,775
Total Additional Capital Investment in Roads:	£3,000,000

Appendix S – NESTRANS Contributions.

NESTRANS - Lighting Capital Programme 2020/21

ESTIMATE £

COMMENTS

Corroded Column Replacement

Various locations part time 20 sign replacement	exempt	Subject to NESTRANS approval.
Total	£67,500	

NESTRANS – Carriageway Resurfacing Capital Programme 2020/21

Name of Road	Location and Description of Works	Assessed condition	Area (m ²)	Estimated Cost £
Great Southern Road	Provost Watt Drive southwards – Carriageway Reconstruction	75	3600	exempt
Riverview Drive	Netherview Avenue to Overton Circle (East junction) - Carriageway resurfacing	71	7400	exempt
King George VI Bridge	Riverside Drive to West Tullos Road	66	4050	exempt
NESTRAN Carriageway Resurfacing				£613,000

NESTRANS – Other works 2020/21

ESTIMATE £

COMMENTS

Works: Expansion of the Cities current Internet Protocol closed-circuit television (IPCCTV) equipment at traffic signals along the A944 Queens Road Corridor between Groats Road and Springfield Road to monitor and better manage changes in traffic flow to assist in reducing congestion and improve journey times.	50,000	Subject to NESTRANS approval.
Works: To allow the ITS unit to create strategies more easily and will be particularly useful for TECA and City Centre Events.	40,000	Subject to NESTRANS approval.
Roadside Weather Station Network - It is proposed to renew two stations, add one additional station and relocate one station, which are used by officers to make vital real time weather decisions	86,000	Subject to NESTRANS approval.
Improvements to Variable Message Signs at Schools - Installation of new Automatic Number Plate Reading Journey time monitoring sites.	100,000	Subject to NESTRANS approval.
Total	£276,000	

Total NESTRANS Works, subject to NESTRANS approvals

£956,500

Appendix T - 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 U shows the Road Condition Index for 2017 - 2019 taking into account the four-year unclassified roads condition.

Road Condition Index for this period is 30.2%. This mean that approx. 284 km of roads within the city were in need of some form of repair.

The chart shows that Aberdeen City was 7th in Scotland for this two-year period

Appendix V 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. 281km of roads within the city are in need of some form of repair. The chart shows that Aberdeen City was 6th in Scotland for this two-year period The comparison of these two figures shows that the road condition is steady with some improvement.

Appendix W & X shows the Road Condition Index for the single year

Road Condition Index for this period is 29.3%. This mean that approximately 275km of roads within the city were in need of 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. The figure does indicate that the trend is for an improvement in the network condition.

Appendix Y shows the movement in the Road Condition Index between 2004 and 2020.

The graphs show the movement in each road classification along with a comparator to the whole Scottish network. These graphs show that across the network the condition of the roads in Aberdeen is above the national average and an improvement in general condition of the network in comparison with the previous survey. The "A" and "C" class roads have improved, the Unclassified roads are unchanged with the "B" class roads show a drop taking them to a similar condition as the "A" and "C" class roads.

Appendix U

RCI Results 2017_19 (4 years data for Unclassified Roads)

Authority	Network			A Roads			B Roads			C Roads			Classified Roads			U Roads								
	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green	RCI					
19	186	1859	7955	20.4	2.25	22.41	75.34	24.7	3.00	20.31	76.69	23.3	2.11	13.15	84.74	15.3	2.50	18.78	78.73	21.3	1.13	18.37	80.49	19.5
30	355	2295	7350	26.5	1.59	18.73	79.68	20.3	2.08	21.18	76.74	23.3	1.15	12.68	86.17	13.8	1.37	15.23	83.40	16.6	4.39	25.91	69.70	30.3
15	361	2346	7292	27.1	3.05	23.91	73.04	27.0	2.60	21.94	75.45	24.5	2.57	20.26	77.17	22.8	2.69	21.53	75.78	24.2	4.77	25.90	69.33	30.7
10	400	2508	7092	29.1	3.42	25.14	71.44	28.6	2.34	23.28	74.38	25.6	3.73	24.33	71.94	28.1	3.16	24.11	72.73	27.3	4.93	26.15	68.91	31.1
32	406	2521	7073	29.3	3.42	25.87	70.71	29.3	1.92	18.14	79.94	20.1	2.44	17.91	79.65	20.4	2.75	21.13	76.11	23.9	4.48	26.54	68.98	31.0
26	423	2565	7013	29.9	2.28	18.98	78.80	21.2	4.05	25.89	70.06	29.9	10.91	35.70	53.39	46.6	5.42	26.10	68.48	31.5	3.53	25.38	71.09	28.9
Aberdeen	474	2544	6982	30.2	3.66	21.13	75.21	24.8	3.27	17.63	79.09	20.9	4.42	21.95	73.63	26.4	3.96	20.79	75.26	24.7	4.97	26.82	68.21	31.8
5	420	2626	6954	30.5	1.71	16.33	81.96	18.0	2.84	19.61	77.55	22.5	3.30	22.82	73.88	26.1	2.70	20.01	77.29	22.7	5.03	29.70	65.27	34.7
28	429	2695	6876	31.2	2.55	20.76	76.70	23.3	2.65	22.39	74.97	25.0	5.55	31.10	63.35	36.6	3.93	25.87	70.19	29.8	4.55	27.76	67.69	32.3
1	431	2758	6811	31.9	5.15	25.59	69.25	30.7	6.06	28.77	65.17	34.8	3.73	27.56	68.71	31.3	4.95	27.33	67.72	32.3	3.84	27.76	68.40	31.6
22	515	2754	6731	32.7	2.75	23.78	73.47	26.5	5.50	31.92	62.57	37.4	4.77	26.74	68.48	31.5	4.53	27.48	67.99	32.0	5.84	27.60	66.56	33.4
11	488	2864	6648	33.5	3.94	24.53	71.52	28.5	1.68	20.05	78.27	21.7	4.97	28.42	66.60	33.4	4.00	25.21	70.79	29.2	5.20	29.86	64.94	35.1
24	565	2835	6600	34.0	3.67	23.09	73.24	26.8	2.92	22.63	74.45	25.6	3.79	22.53	73.68	26.3	3.44	22.79	73.78	26.2	6.47	30.40	63.14	36.9
31	534	2897	6570	34.3	2.29	21.97	75.73	24.3	2.13	20.12	77.75	22.2	4.76	25.64	69.61	30.4	2.86	22.32	74.82	25.2	6.94	33.26	59.80	40.2
2	493	3006	6501	35.0	3.83	27.95	68.22	31.8	7.14	35.58	57.28	42.7	4.19	30.09	65.72	34.3	5.15	31.58	63.27	36.7	4.68	28.33	67.00	33.0
27	707	2797	6496	35.0	2.90	20.13	76.97	23.0	2.30	22.37	75.33	24.7	9.88	28.05	62.07	37.9	6.41	24.80	68.79	31.2	7.40	29.53	63.07	36.9
25	579	2983	6438	35.6	3.96	23.48	72.55	27.4	4.79	27.87	67.33	32.7	5.96	32.44	61.60	38.4	4.93	28.06	67.00	33.0	6.44	31.16	62.40	37.6
4	561	3026	6413	35.9	7.04	30.09	62.88	37.1	5.27	30.91	63.82	36.2	4.54	29.20	66.26	33.7	5.49	29.90	64.61	35.4	5.77	30.72	63.51	36.5
23	564	3025	6411	35.9	2.82	22.82	74.37	26.6	5.35	29.93	64.72	35.3	6.19	30.35	63.46	36.5	4.75	27.57	67.68	32.3	6.10	31.65	62.25	37.7
21	570	3044	6386	36.1	1.35	16.12	82.53	17.5	7.02	28.57	64.41	35.6	3.45	29.18	67.37	32.6	3.63	24.00	72.37	27.6	8.29	38.54	53.16	46.8
Scotland LA	688	2942	6370	36.3	4.40	25.62	69.97	30.0	6.45	29.26	64.29	35.7	6.98	29.27	63.75	36.3	6.07	28.19	65.74	34.3	7.66	30.59	61.75	38.2
16	651	2993	6356	36.4	4.41	23.73	71.86	28.1	3.14	19.51	77.34	22.7	5.79	26.70	67.51	32.5	4.69	24.12	71.19	28.8	7.05	31.65	61.30	38.7
17	744	3002	6254	37.5	1.96	17.08	80.97	19.0	3.44	26.24	70.32	29.7	9.87	32.80	57.33	42.7	6.56	27.62	65.82	34.2	7.77	30.92	61.31	38.7
19	742	3069	6189	38.1	7.90	29.41	62.70	37.3	6.94	33.42	59.64	40.4	11.68	36.97	51.35	48.6	9.26	34.13	56.61	43.4	5.93	27.92	66.15	33.9
18	872	2971	6157	38.4	2.96	18.26	78.78	21.2	4.72	27.52	67.76	32.2	8.99	31.61	59.40	40.6	5.90	26.88	67.23	32.8	11.36	32.36	56.28	43.7
9	866	2991	6142	38.6	3.86	25.40	70.75	29.3	6.40	29.89	63.71	36.3	10.16	31.38	58.46	41.5	6.89	28.81	64.29	35.7	10.95	31.34	57.70	42.3
13	839	3069	6092	39.1	2.10	15.14	82.76	17.2	4.03	25.59	70.37	29.6	8.10	26.38	65.52	34.5	5.71	24.00	70.29	29.7	9.85	34.33	55.82	44.2
3	847	3279	5874	41.3	5.63	30.44	63.93	36.1	6.78	31.27	61.95	38.0	8.97	33.46	57.57	42.4	7.45	32.01	60.54	39.5	9.38	33.49	57.13	42.9
20	1034	3121	5845	41.6	3.67	24.85	71.48	28.5	5.82	32.43	61.75	38.3	8.00	31.70	60.30	39.7	5.66	29.24	65.10	34.9	15.80	33.52	50.69	49.3
8	689	3599	5712	42.9	6.66	27.85	65.49	34.5	6.17	31.76	62.07	37.9	8.33	42.40	49.27	50.7	7.00	32.71	60.29	39.7	6.74	40.10	53.16	46.8
12	852	3683	5465	45.3	5.69	32.19	62.12	37.9	7.86	36.57	55.57	44.4	6.29	33.86	59.85	40.2	6.66	34.33	59.01	41.0	11.48	40.81	47.71	52.3
6	1230	3549	5221	47.8	4.94	28.54	66.52	37.9	5.96	30.30	63.74	36.3	11.01	35.74	53.25	46.7	8.22	32.60	59.18	40.8	17.89	39.46	42.65	57.4
14	1634	3808	4558	54.4	8.85	32.94	58.20	41.8	20.68	41.98	37.34	62.7	18.93	41.35	39.71	60.3	16.35	38.87	44.79	55.2	16.33	36.41	47.25	52.7

Appendix V

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	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green	Red	Amber	Green
19	2.37	18.79	78.84	2.45	24.34	73.21	2.32	19.31	78.37	1.98	12.51	85.51	2.25	18.78	78.97	2.50	18.80	78.70
30	3.31	22.61	74.09	1.52	20.74	77.74	2.57	22.94	74.49	1.28	12.98	85.74	1.49	16.14	82.37	4.00	25.09	70.91
15	3.54	22.70	73.75	3.07	24.44	72.49	2.40	21.07	76.53	2.28	18.54	79.18	2.49	20.55	76.96	4.83	25.32	69.85
26	3.48	23.85	72.68	2.21	18.02	79.77	3.80	25.73	70.46	8.05	31.41	60.54	4.41	24.27	71.32	2.93	23.59	73.48
32	4.10	24.77	71.12	3.89	25.28	70.83	2.15	17.99	79.86	2.43	16.65	80.91	2.97	20.31	76.72	4.47	26.23	69.30
Aberdeen	5.18	24.75	70.07	3.66	19.79	76.56	3.42	19.85	76.73	3.51	19.47	77.03	3.54	19.66	76.80	5.67	26.25	68.08
28	4.09	26.23	69.68	2.56	20.62	76.82	2.61	22.66	74.73	5.95	31.72	62.33	4.11	26.18	69.71	4.08	26.26	69.67
10	4.80	25.79	69.41	3.41	25.75	70.84	2.33	23.46	74.21	3.24	21.96	74.80	2.94	23.23	73.83	6.85	28.64	64.51
5	4.42	26.21	69.36	1.65	15.67	82.68	1.32	18.23	79.70	3.60	21.54	74.85	2.61	18.90	78.50	5.41	30.21	64.38
11	4.49	27.28	68.22	3.90	21.37	74.73	2.07	20.04	78.64	5.50	25.83	68.67	4.14	22.56	73.30	4.60	28.73	66.66
1	4.83	27.51	67.66	6.02	25.71	68.27	6.09	28.00	65.91	4.38	28.45	67.17	5.48	27.41	67.11	4.37	27.58	68.04
27	6.22	26.63	67.15	2.14	17.82	80.03	2.69	21.39	75.91	7.95	26.24	65.81	5.14	22.77	72.09	6.78	28.61	64.61
22	5.22	27.97	66.81	3.13	25.51	71.37	5.79	32.12	62.09	4.40	25.70	69.90	4.49	27.37	68.14	6.01	28.62	65.37
24	5.38	27.83	66.79	4.45	23.77	71.79	4.18	24.13	71.68	4.86	24.24	70.90	4.46	24.00	71.54	5.72	29.24	65.04
2	4.49	28.80	66.71	3.83	26.62	69.55	5.89	32.43	61.68	3.12	27.72	69.15	4.22	29.12	66.66	4.80	28.44	66.76
16	6.41	27.07	66.52	5.53	23.55	70.92	3.93	20.51	75.56	5.10	22.99	71.91	5.11	22.85	72.03	6.79	28.31	64.90
25	6.08	28.87	65.05	3.19	21.59	75.22	4.84	25.75	69.41	4.95	29.88	65.18	4.35	25.84	69.81	7.39	31.16	61.46
13	7.06	28.41	64.52	1.96	13.52	84.52	2.44	23.83	73.73	7.73	25.27	67.00	4.90	22.22	72.88	8.22	31.72	60.05
31	6.13	29.44	64.42	2.60	22.22	75.18	2.08	15.92	82.00	4.56	24.44	71.01	2.93	20.85	76.22	8.14	34.84	57.02
21	5.52	30.12	64.36	1.25	15.21	83.54	7.29	29.16	63.56	3.48	29.39	67.12	3.68	23.88	72.44	7.84	37.95	54.20
Scotland LA	6.85	28.98	64.17	4.66	26.92	69.43	6.21	28.75	65.04	6.61	28.63	64.86	6.91	27.82	66.27	7.74	30.09	62.17
23	6.02	30.56	63.42	3.68	25.02	71.30	4.15	27.55	68.31	5.74	28.49	65.77	4.55	26.99	68.46	6.76	32.39	60.84
4	6.07	30.92	63.01	8.13	31.24	60.63	4.94	30.17	64.89	4.99	30.86	64.15	5.95	30.81	63.24	6.22	31.08	62.71
17	6.99	30.27	62.74	8.04	30.74	61.22	5.43	31.40	63.17	10.07	36.86	53.07	8.07	33.67	58.26	6.12	27.53	66.35
29	7.41	29.88	62.71	2.52	18.08	79.40	4.64	26.14	69.22	10.30	33.64	56.07	7.19	28.28	64.54	7.49	30.48	62.03
18	8.32	29.45	62.23	3.80	19.23	76.97	5.54	27.00	67.46	8.86	29.92	61.22	6.42	26.24	67.34	9.94	32.19	57.87
9	8.28	29.53	62.19	4.19	26.41	69.39	6.70	30.30	63.01	8.86	31.19	59.17	6.42	26.24	67.34	9.94	32.19	57.87
3	8.50	32.05	59.44	5.57	28.57	65.86	6.79	30.13	63.07	9.44	32.76	57.81	6.89	29.21	63.90	10.08	29.95	59.96
8	6.99	33.64	59.36	6.38	27.93	65.69	6.24	30.58	63.17	7.89	40.09	52.02	6.75	31.85	61.40	9.27	33.08	57.55
20	9.64	31.58	58.78	4.43	27.52	68.05	6.38	33.73	59.89	8.38	32.10	59.52	6.23	30.77	62.99	13.57	32.51	53.91
12	8.79	36.46	54.76	5.67	31.55	62.79	7.13	35.71	57.17	6.12	33.33	60.55	6.34	33.66	60.00	12.68	40.91	46.41
6	12.50	35.38	52.12	5.19	28.67	66.14	5.50	29.87	64.64	10.75	35.12	54.12	8.00	32.19	59.80	18.65	39.75	41.60
14	16.10	38.07	45.83	8.55	33.04	58.41	19.91	41.82	38.27	15.89	41.36	42.75	15.09	38.83	46.08	18.24	36.45	45.30

Appendix W - Feb 2020

ABERDEEN CITY SRMCS RCI 2019

System: WDM

PMS

System Version: 4.10.0

Run Identifier: SRMCS PI

Calculation Date: 18 September 2019

RP10.01

18 September 2019 - mikeb Page 1 of 1

From Date: 01 January 2019

To Date: 31 December 2019

Report Run Date: 20 September 2019 Rule Set ID:RP10.01

Weighting Set ID: WSAIIClassesv0202

SPI CARRIAGEWAY CONDITION INDICATOR

29.3

Results from Network Lengths Surveyed

Environment	Class	Red		Amber 1		Green		Coverage		Network
		Km	%	Km	%	Km	%	Km	%	Km
Urban	A	1.976	4.10	9.870	22.73	36.302	75.40	48.148	79.58	60.500
	B	0.514	3.64	2.976	15.62	10.634	75.29	14.124	36.59	38.600
	C	0.487	2.98	2.379	21.08	13.461	82.45	16.327	20.43	79.900
	U	4.109	5.92	18.000	26.4	47.276	68.14	69.385	11.09	625.800
Rural	A	0.155	1.87	0.994	11.63	7.148	86.15	8.297	59.69	13.900
	B	0.122	2.40	1.514	20.69	3.456	67.87	5.092	62.1	8.200
	C	1.369	3.93	8.190	25.73	25.280	72.56	34.839	258.07	13.500
	U	0.380	5.77	1.534	29.56	4.674	70.95	6.588	6.52	101.100
Overall By Class	A	2.131	3.78	10.864	21.12	43.450	76.98	56.445	75.87	74.400
	B	0.636	3.31	4.490	18.26	14.090	73.32	19.216	41.06	46.800
	C	1.856	3.63	10.569	22.28	38.741	75.72	51.166	54.78	93.400
	U	4.489	5.91	19.534	26.61	51.950	68.38	75.973	10.45	726.900
Urban	All	7.086	4.79	33.225	23.77	107.673	72.76	147.984	18.39	804.800
Rural	All	2.026	3.70	12.232	21.39	40.558	73.99	54.816	40.1	136.700
All		9.112	4.49	45.457	23.37	148.231	73.09	202.8	21.54	941.500

Appendix X

Results of Surveys Weighted Across Total Network Lengths

Environment	Class	Red		Amber		Green		Coverage		Network
		Km	%	Km	%	Km	%	Km	%	Km
Urban	A	2,483	4.1	12.40	20.5	45.62	75.4			60,500
	B	1,405	3.64	8.13	21.07	29.06	75.29			38,600
	C	2,383	2.98	11.64	14.57	65.88	82.45			79,900
	U	37,060	5.92	162.35	25.94	426.39	68.14			625,800
Rural	A	0,260	1.87	1.67	11.98	11.98	86.15			13,900
	B	0,196	2.4	2.44	29.73	5.57	67.87			8,200
	C	0,530	3.93	3.17	23.51	9.80	72.56			13,500
	U	5,832	5.77	23.54	23.28	71.73	70.95			101,100
Overall By Class	A	2,743	3.69	14,067	18.91	57,590	77.41			74,400
	B	1,601	3.42	10,571	22.59	34,627	73.99			46,800
	C	2,914	3.12	14,816	15.86	75,670	81.02			93,400
	U	42,892	5.90	185,887	25.57	498,121	68.53			726,900
Urban	All	43,331	5.38	194,524	24.17	566,945	70.45			804,800
Rural	All	6,818	4.99	30,818	22.54	99,064	72.47			136,700
All		50,149	5.33	225,342	23.93	666,009	70.74			941,500

Road Condition Index 2004-2020

