

Agenda Item	10
Report No	CIA/6/20

HIGHLAND COUNCIL

Committee: City of Inverness Area Committee

Date: 20 February 2020

Report Title: Roads Maintenance Programme 2020/21

Report By: Executive Chief Officer Infrastructure and Environment

1. Purpose/Executive Summary

- 1.1 This report details the proposed 2020/21 Roads Maintenance Programme for City of Inverness Area.

2. Recommendations

- 2.1 Members are asked to approve the proposed 2020/21 Roads Maintenance Programme for City of Inverness Area.

3. Implications

- 3.1 Resource - All work will be managed within budget allocations from a resource perspective with the Council delivering its legal responsibilities.
- 3.2 Legal – The Council undertakes the Road Maintenance Programme for the City of Inverness area in its duty as local roads authority under the Roads (Scotland) Act 1984.
- 3.3 Community (Equality, Poverty and Rural) – Due to the Rural nature of the Highlands Communities are dependent on the roads network
- 3.4 Climate Change/Carbon Clever - Road Recycling plus preventative maintenance techniques such as Surface Dressing contribute more to sustainability than resource intensive requirements like Road Resurfacing (Overlay/Inlay).
- 3.5 Risk – Increased deterioration of the road network correlates directly with a lack of investment.
- 3.6 Gaelic - This report has no impact on Equality or Gaelic.

4. Background

4.1 This report outlines the proposed road maintenance programme for 2020/2021.

4.2 At the Special Inverness Area Committee of 28th March 2019 Members expressed a preference to see a significant proportion of the major structural maintenance treatment (resurfacing) directed towards main arterial routes throughout the City. In 19/20 this Included Old Edinburgh Rd, King Brude Rd, Millburn Rd and Academy St.

For the 2020/21 road maintenance programme, it is therefore proposed to further build on this with resurfacing schemes identified for King Brude Rd, Castle St, Drummond Rd, Crown Circus, Millburn Rd, Seafield Rd and Barn Church Rd, Inverness.

It is also proposed that lower cost treatment (surface dressing in conjunction with conventional patching and jet-patching) is targeted at the overall wider urban and rural road network. This is a necessity as it forms an essential tool in cost effectively maintaining the structural integrity of a large proportion of the network where traffic volumes may be lighter, but where failure to address urgent maintenance needs will result in significant costly (potentially resurfacing) maintenance requirements in the longer term.

This is also necessary to protect the Council's liability for car damage and personal injury Insurance Claims – a significant proportion of which come from the rural network.

5. Budget Allocation

5.1 The Environment, Development and Infrastructure Committee local allocations budget has not yet been determined. Consequently, the roads maintenance programme has been based on an anticipated 2019/20 budget in the region of £900,000. In the event of the budget changing then the programme will be either curtailed or increased accordingly.

The primary objective would be to ensure no reduction to the road resurfacing programme identified. Should additional resources become available then the objectives outlined in 4.2 will be the focus of the additional spend.

5.2 The Road Maintenance budgets are allocated under the following headings:-

- **Winter Maintenance (Revenue)**

- **Cyclic Maintenance (Revenue)** including: -
 - Verge Maintenance
 - Road Marking Renewal
 - Sign Maintenance
 - Drainage Maintenance
 - Gully Cleansing
 - Footpath Maintenance
 - Patching Repairs
 - Other Cyclic and Routine Maintenance

- **Structural Maintenance (Capital)** including:-
 - Structural – Resurfacing (Overlay/Inlay)
 - Surface Dressing
 - Additional Structural Road Maintenance

- **Bridge Maintenance (Revenue)**

5.3 For operational purposes this report combines the budget allocations for Capital Budgets 1 and 2.

5.4 The proposed Inverness Structural Maintenance (Capital) programme for 2020/21 is detailed under the following appendices:-

- Structural – Resurfacing (Overlay / Inlay) (**Appendix 2**)
- Structural – Surface Dressing (**Appendix 3**)
- Structural – Structural Integrity Improvements (**Appendix 4**)
- Bridge Maintenance - Revenue (**Appendix 5**)

6. Road Structural Maintenance Programme

6.1 Schemes were selected for inclusion in these programmes based on need using information gathered from the sources identified below. They have also been prioritised in accordance with Members preference outlined in section 4.2 of this report, and with the safety of the travelling public and sustainability of the road network as the main objectives.

- Scottish Road Maintenance Condition Survey (SRMCS)
- Safety Inspections
- Service Inspections
- Input and feedback from Ward Members via Ward Consultation meetings held in December and January.

7. Bridge Maintenance

7.1 Schemes were selected for inclusion in this programme based on defects reported during the programmed cycle of Principal and General Inspections on bridges.

7.2 Only relatively minor works, of a routine maintenance type nature, are generally included in the works programme. More significant works are included in the Capital Programme funded separately. The Bridge Maintenance programme also includes repair and replacement of Cattle Grids.

Designation: Executive Chief Officer Infrastructure and Environment

Date: 5 February 2020

Author: John Taylor, Road Operations Manager (Inverness)

Roads Budget Allocation - Year 2019/20 - Version 1.1 (Provisional)

Item	Description	Total	HQ	Caithness	Sutherland	Ross & Cromarty	Island of Skye	Nairn	Badenoch & Strathspey	Lochaber	Inverness
	Parameters										
1	Total Road Length (km)	6,746		761.2	1,336.8	1,650.9	618.1	302.3	387.4	670.4	1,019.4
2	Urban Road Length (km)	1,113		124.1	109.8	305.1	35.0	54.6	71.4	72.0	341.0
3	Number of Bridges	1,332		93	282	308	112	32	96	230	179
4	Population (Year 2011)	232,132		26,486	13,820	56,666	10,177	12,566	13,664	19,930	78,823
5	Gullies (WDM db)	44,610		4,835	2,491	11,522	878	2,006	2,653	3,653	16,572
6	Winter Allocation	100%	1.62%	9.41%	21.69%	22.69%	9.99%	2.29%	9.36%	6.09%	16.85%
7	Weighted Mileage	100%		10.96%	19.49%	24.34%	8.80%	4.43%	5.65%	9.92%	16.42%
8	Watercourse	100%		11.06%	16.48%	24.36%	7.82%	4.65%	5.70%	9.62%	20.32%
9	Structural Maint. (SRMCS)	100%		10.35%	17.67%	22.40%	11.55%	4.37%	6.34%	11.26%	16.06%
10	Surface Dressing (SRMCS)	100%		11.98%	12.59%	20.06%	12.34%	4.35%	9.67%	11.12%	17.88%
	REVENUE										
21	Winter Allocation	£4,980,000	£80,892	£468,849	£1,080,284	£1,129,716	£497,553	£114,283	£466,234	£303,236	£838,953
22	Cyclic Maintenance	£6,573,775	£20,000	£718,410	£1,277,192	£1,595,215	£576,624	£290,294	£369,980	£649,990	£1,076,071
23	Drainage	£200,000		£21,924	£38,976	£48,681	£17,597	£8,859	£11,291	£19,836	£32,838
24	Spray Injection (THC vehicle)	£100,000		£11,282	£19,815	£24,471	£9,162	£4,481	£5,742	£9,937	£15,110
25	Gully Emptying	£300,000		£32,515	£16,752	£77,485	£5,905	£13,490	£17,841	£24,566	£111,446
26	Bridges - Structural Maintenance	£480,000		£33,514	£101,622	£110,991	£40,360	£11,532	£34,595	£82,883	£64,505
27	Bridge Inspections	£200,000	£200,000								
28	Cattle Grids (Bid to HQ)	£80,000	£80,000								
29	Safety Barriers (Bid to HQ)	£275,000	£275,000								
30	Water Course Maintenance (Bid to HQ)	£80,000	£80,000								
31	Asset Management (Mobile Working)	£60,000	£60,000								
	Total Revenue Budget	£13,328,775	£795,892	£1,286,493	£2,534,641	£2,986,558	£1,147,200	£442,938	£905,682	£1,090,447	£2,138,923
	Capital Budget (£6.2M)										
32	Structural - Overlay/Inlay	£3,090,000		£319,811	£545,901	£692,149	£356,953	£135,164	£195,758	£348,015	£496,248
33	Surface Dressing	£2,000,000		£239,652	£251,819	£401,155	£246,755	£87,054	£193,423	£222,497	£357,645
34	Timber Transport Routes (STTS)	£500,000	£500,000								
35	Bridge Maintenance (HQ/Structures)	£350,000	£350,000								
36	Road Markings	£60,000	£60,000								
37	Weather Stations (Icelert)	£50,000	£50,000								
38	Transportation Infrastructure (Bid to HQ)	£50,000	£50,000								
39	Cattle Grids (Bid to HQ)	£45,000	£45,000								
40	Safety Barriers (Bid to HQ)	£45,000	£45,000								
41	SCRIM	£10,000	£10,000								
	Total Capital	£6,200,000	£1,110,000	£559,464	£797,721	£1,093,304	£603,707	£222,218	£389,181	£570,512	£853,894
		£19,528,775									

Notes:

Appendix 2 – Resurfacing 2020/21**Inverness****£495,215**

Ward No.	Class	Road No.	Description	Location / Works	Width m	Length m	Area m ²
Ward 13							
13	C	1118	King Brude Rd	Scorguie Rd - Leachkin Rd	8	300	2400
Ward 14							
14	B	861	Castle St	Resurfacing / Machine Patching Various	8	150	1200
Ward 15							
15	U	3870	Drumdevan Rd	Resurfacing / Machine Patching Various	3.5	230	805
15	U	3872	Drummond Rd	Resurfacing / Machine Patching Various	8	170	1360
Ward 16							
16	B	865	Millburn Rd	Resurfacing / Machine Patching Various	3.65	300	1095
16	C	1189	Crown Circus	Resurfacing / Machine Patching Various	4	400	1600
16	U	4316	Seafield Rd (part)	Longman road-Harbour road	6.5	300	1950
Ward 17							
17	C	1032	Barn Church Road	Resurfacing / Machine Patching Various	7.3	160	1168
Ward 19							
19	C	1056	Daviot-Dalroy	Resurfacing / Machine Patching Various	3.5	230	800
Ward 12							
12	B	851	Calanour Jct towards Dunmaglass	Overlay	6.5	430	2795
12	B	851	Farr Village-Garbole Jct	Resurfacing / Machine Patching Various	2	800	1600

Appendix 3 – Surface Dressing 2020/21							
Inverness							£301,210
Ward No.	Class	Road No.	Location	Description of Works	Width m	Length m	Area m ²
Ward 13							
13	A	862	Clachnaharry Rd	West of Roundabout	10	400	4000
13	U	2381	Blackpark Rd	Scorguie-Bunchrew	3.2	1000	3200
Ward 14							
14	U	3761	Anderson St	Various Sections	6.5	400	2600
14	U	4146	Muirfield Lane	Various	6.2	250	1550
Ward 15							
15	U	4199	Oldtown Road	Various Sections	5.5	350	1925
Ward 16							
16	U	4517 / 4443	MacKintosh Rd / Ashton Rd	Various Sections	6	400	2400
Ward 17							
17	B	9006	Gollanfield Road	Ardersier towards Gollanfield	5.5	1500	8250
17	U	1846	Smithton Park	Main Road	5.5	500	2750
17	U	1852	Kenneth Place	Various Sections	6	350	2100
17	U	2378	Easter Glackton	Lochside / Flemington	3	350	1050
Ward 19							
19	B	9154	Daviot-Craggie	From A9 junction	8	700	5600
19	U	2912	Brookfield, Culloden Moor	Whole Scheme	6	860	5160
19	U	5061	Redwood Crescent	Various Sections	6	700	4200
Appendix 3 – Surface Dressing 2020/21							
Inverness							
Ward No.	Class	Road No.	Location	Description of Works	Width m	Length m	Area m ²
Ward 12							
12	B	851	Aberarder-Milton farm	Various	6.2	800	4960
12	B	862	Whitebridge-Viewpoint	Various	6.5	1200	7800
12	B	9164	Kirkhill-Dunballoch	Section on Long Straight	5	400	2000
12	C	1108	Kiltarlity-Rose Bridge	Section	5.5	800	4400
12	U	1074	Abersky Loop Rd	Full length	3.2	2000	6400
12	U	1140	Whitebridge - Killin	Short Section	4	100	400
12	U	1592	Wester Lovat	Various	3.5	320	1120
12	U	1651	Convinth, Ardendrain	A833 jct to end of road	3	1000	3000
12	U	2354	Dhivach, Drumnadrochit	Various Sections	3.5	1000	3500
12	U	2977	Rheindown-Dunmore, Beauly	Various Sections	3.2	600	1920
12	U	1588/2346	Camault Muir / Bog Rd Kiltarlity	Various	3.5	1650	5775

Appendix 4 - Structural Integrity Improvements – 2020/21**Inverness****£100,000**

Ward No.	Route	Location	Comments
		All Wards	
All	All	Emergency Machine Patching / Resurfacing (Junctions etc All Wards)	Subject to Budget
All	All	Jetpatching (All Wards)	Subject to Budget

Appendix 5 - Bridge Maintenance 2020/21

Inverness

£64,000

Ward No.	Route	Location	Comments
Ward 12			
12	A831	Erchless Bridge - Erchless Castle	Repairs to concrete scour at base
Ward 19			
19	B9006	Easter Muckovie - Culloden Road	Repair to parapet, repair to area of scour.
19	C1088	Clava - Clava Lodge	Repair parapets, repair abutment coping.
19	C1121	Tomatin - Garbole. Corrievorrie Br	Replace timber deck
Ward 13/14			
13/14	River Ness	Infirmery & Greig Street pedestrian bridges	Minor repairs
All Wards			
All	All	Vegetation Removal on Bridges	All Structures
All	All	General Bridge Maintenance / Repairs	General Manitenance / Emergency Repairs