Agenda Item	9
Report No	CIA/6/19

### HIGHLAND COUNCIL

Committee:	City of Inverness Area Committee
Date:	21st February 2019
Report Title:	Roads Maintenance Programme 2019/20
Report By:	Director of Community Services

### 1 Purpose/Executive Summary

1.1 This report details the proposed 2019/20 Roads Maintenance Programme for City of Inverness Area.

### 2 Recommendations

2.1 Members are asked to approve the proposed 2019/20 Roads Maintenance Programme for City of Inverness Area.

### 3 Background

- 3.1 This report outlines the proposed road maintenance programme for 2019/2020.
- 3.2 The Environment, Development and Infrastructure Committee local allocations budget has not yet been determined. Consequently the roads maintenance programme has been based on the original 2018/19 budget. In the event of the budget changing then the programme will be either curtailed or increased accordingly.

The primary objective would be to ensure little or no reduction to the surface dressing programme.

3.3 The approved 2018/19 Environment, Development and Infrastructure Committee local allocations budget can be found in **Appendix 1** to this report.

#### 4 Budget Allocation

- 4.1 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:-
    - Surface Dressing
    - Structural Resurfacing (Overlay/Inlay)
    - Structural Integrity Improvements
    - Additional Structural Road Maintenance
  - Bridge Maintenance (Revenue)
- 4.2 For operational purposes this report combines the budget allocations for Capital Budgets 1 and 2.
- 4.3 The proposed Inverness Structural Maintenance (Capital) programme for 2018/19 is detailed under the following appendices:-
  - Structural Surface Dressing (Appendix 2)
  - Structural Resurfacing (overlay / Inlay) (Appendix 3)
  - Structural Other Works (Appendix 4)
  - Bridge Maintenance Revenue (Appendix 5)

### 5 Road Structural Maintenance Programme

- 5.1 Schemes were selected for inclusion in these programmes on the basis of need using information gathered from the following sources and have been prioritised 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; and
  - Input and feedback from Ward Members

#### 6 Bridge Maintenance

- 6.1 Schemes were selected for inclusion in this programme on the basis of defects reported during the programmed cycle of Principal and General Inspections on bridges.
- 6.2 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.

#### 7 Implications

- 7.1 Resource All work will be managed within budget allocations from a resource perspective with the Council delivering its legal responsibilities.
- 7.2 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.
- 7.3 Community (Equality, Poverty and Rural) Due to the Rural nature of the Highlands Communities are dependent on the roads network
- 7.4 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).
- 7.5 Risk Increased deterioration of the road network correlates directly with a lack of investment.
- 7.6 Gaelic This report has no impact on Equality or Gaelic

Designation:	Director of Community Services
Date:	7 February 2019
Author:	John Taylor, Road Operations Manager, Inverness

# Appendix 1 - Roads Budget Allocation - Year 2018/19 - Version 2.1 (Revised)

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%	1.63%	10.81%	20.79%	22.13%	11.06%	2.17%	8.64%	5.58%	17.19%
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%		10.61%	17.38%	22.53%	11.68%	4.16%	5.93%	12.19%	15.52%
10 Surface Dressing (SRMCS)	100%		12.43%	11.38%	21.13%	11.59%	4.44%	8.68%	12.70%	17.64%
REVENUE			1		_					
1 Winter Allocation	£4,981,756	£81,256	£538,686	£1,035,459	£1,102,447	£550,970	£107,912	£430,403	£278,048	£856,575
2 Cyclic Maintenance	£5,196,389	£20,000	£567,424	£1,008,769	£1,259,954	£455,437	£229,284	£292,222	£513,383	£849,917
3 Drainage	£203,588	~_0,000	£22,317	£39,675	£49,554	£17,912	£9,018	£11,493	£20,191	£33,427
4 Spray Injection (THC vehicle)	£100,000		£11,282	£19,815	£24,471	£9,162	£4,481	£5,742	£9,937	£15,110
5 Gully Emptying	£300,000		£32,515	£16,752	£77,485	£5,905	£13,490	£17,841	£24,566	£111,446
6 Bridges - Structural Maintenance	£477,042		£33,307	£100,995	£110,307	£40,112	£11,460	£34,381	£82,372	£64,107
7 Bridges - Principal Inspections	£185,000	£185,000	200,007	2100,000	2110,007	240,112	211,400	204,001	202,012	204,107
8 Cattle Grids (Bid to HQ)	£50,000	£50,000								
9 Safety Barriers (Bid to HQ)	£215,000	£215,000								
<sup>o</sup> Water Course Maintenance (Bid to HQ)	£120,000	£120,000								
	2120,000	2120,000								
Total Revenue Budget	£11,828,775	£671,256	£1,205,531	£2,221,465	£2,624,218	£1,079,497	£375,645	£792,083	£928,498	£1,930,582
Capital Budget No 1 (£4.5m)										_
Structural - Overlay/Inlay	£1,150,000		£121,981	£199,921	£259,114	£134,368	£47,823	£68,168	£140,198	£178,427
2 Surface Dressing	£1,850,000		£229,966	£210,545	£390,899	£214,475	£82,202	£160,630	£235,032	£326,252
U	£1,150,000		£121,981	£199,921	£390,899 £259,114	£134,368	£47,823	£68,168	£140,198	£320,232
3 Structural Integrity		£350,000	£121,901	£199,921	£259,114	£134,300	147,023	200,100	£140,190	£170,427
4 Bridge Maintenance (HQ/Structures)	£350,000	2350,000								_
Sub-Total Capital Budget No 1	£4,500,000	£350,000	£473,927	£610,387	£909,127	£483,211	£177,849	£296,965	£515,427	£683,106
Capital Budget No 2 (£3.7m)										
0 Structural Road Maint (SRMCS)	£890,000		£94,403	£154,722	£200,532	£103,989	£37,011	£52,756	£108,501	£138,087
1 Surface Dressing(SRMCS)	£890,000		£110,632	£101,289	£188,054	£103,180	£39,546	£77,276	£113,069	£156,954
2 Winter Damage / Potholes (SRMCS)	£1,000,000		£106,070	£173,845	£225,317	£116,842	£41,586	£59,276	£121,911	£155,154
3 Road Markings	£100,000	£100,000	-,	,	-,		, <del>-</del>	, -	,	
4 Bridge Maintenance (Structures/Areas)	£180,000	£180,000								
5 Timber Transport Routes (STTS)	£500,000	£500,000								
6 Cattle Grids(Bid to HQ)	£70,000	£70,000								
7 Safety Barriers (Bid to HQ)	£70,000	£70,000								
Sub-Total Capital Budget No 2	£3,700,000	£920,000	£311,105	£429,856	£613,903	£324,011	£118,143	£189,308	£343,481	£450,194
Total Capital Budget	£8,200,000	£1,270,000	£785,032	£1,040,243	£1,523,030	£807,222	£295,992	£486,274	£858,908	£1,133,300

# Appendix 2 - Structural Integrity Improvements – Surface Dressing 2019/20

Inverness	6					£299,465
Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
		Ward 12	-			
12	A833	Belladrum, West of Belladrum Access	800	6.5	5200	Surface Dressing
12	A862	Beauly High Street	821	6.5	5336.5	Surface Dressing
12	B851	Croachy - Dunmaglass (Various)	1500	6	9000	Surface Dressing
12	B862	Whitebridge - Viewpoint (Various) & East of B852 Junction	2400	6.5	15600	Surface Dressing
12	C1060	Blackfold, East of Wester Altourie	3500	3.2	11200	Surface Dressing
12	C1076	Brin - Dunlichity (Various)	2700	3.2	8640	Surface Dressing
12	U1576	South Clunes West & Moniack Junction - Moniack Bridge	2560	3.5	8960	Surface Dressing
		Ward 13				
13	U4579	Blarmore Avenue Cul de Sacs	920	5.5	5060	Surface Dressing
		Ward 14	-			
14	U4395	Carnarc Crescent	500	5.5	2750	Surface Dressing
	-	Ward 15				
15	U3867	Drumashie Road	170	5.5	935	Surface Dressing
15	U4691	Drumdevan Crescent	180	5.5	990	Surface Dressing
		Ward 16	-			
16	U4416	Falcon Avenue	100	6	600	Surface Dressing
16	U4568	Raasay Road	200	6	1200	Surface Dressing
		Ward 17	-1			
17	C1017	Airport Link Road, B9039 to Airport	620	6.5	4030	Surface Dressing
17	U1247	Cameron Drive, Ardersier	245	5.6	1372	Surface Dressing
		Ward 19				
19	B9154	Moy. North of Railway Bridge	900	6.5	5850	Surface Dressing
19	C14	Craggie - Culdoich (Various)	500	3.5	1750	Surface Dressing
19	U5060	Redwood Avenue, Milton of Leys	300	6.5	1950	Surface Dressing

## Appendix 3 - Structural Integrity Improvements – Resurfacing 2019/20

### Inverness

Ward	Route	Location	Length	Width	Area	
<b>vv</b> aru	Noule		(m)	(m)	(sq.m)	
		Ward 12	()	()	(09)	
12	A833	West of Belladrum Access	200	6.5	1300	
12	B851	Calanour Junction*	400	6.2	2480	*Resurfa
12	B851	West of Sockich (west of retaining wall)	100	6	600	
12	U1120	Faillie*	420	3.2	1344	*Resurfa
12		Fort Augustus. Canal Road, Abertarff (Millfield, Fire Station)				Resurfac
		Ward 13				
13	C1118	King Brude Road, Pict Avenue to Scorguie Road	400	7.3	2920	
		Ward 14				
14	U4625	Lower Kessock Street, Grant Street to India Street	220	7	1540	
		Ward 15				
15	U4098	Lochy Road West*	100	5.5	550	*Resurfa
		Ward 16		-		
16	B0853	Old Edinburgh Road (Various)	230	7.5	1725	Resurfac
		Ward 17				
17	B9039	Castle Stuart - Ardersier. Near Golf Course.				Res
		Ward 19				
19	C1121	Glenmazeron - Garbole - Various Repairs*	200	3	600	*Resurfacing

# £346,405

### Comments

Resurfacing facing Subject to Budget Resurfacing facing Subject to Budget acing / Machine Patching

Resurfacing

Resurfacing

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g / Patching Subject to Budget

# Appendix 4 - Structural Integrity Improvements – Other Works 2019/20

### Inverness

# £355,000.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
		Ward 12				
12	U1746	Balgate Drive, Kiltarlity				Slurry Seal Footways
		Ward 13				
13	U3861	Dochfour Drive (part)				Slurry Seal Footways
	-	Ward 14			· · · · ·	
14	U4380	Queensgate/Union Street				Granite Kerb Replacement
		Ward 15			-	
15	U3907	Erracht Road				Footway Resurfacing / Patching
		Ward 16				
16	C1193	Kingsmills Road (part)				Slurry Seal Footways
		All Wards				
All	All	Machine Patching / Patching (Various)*				Subject to Budget
All	All	Jetpatching (Various)*				Subject to Budget

nverness	5					£64,000
Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
	-	Ward 12				
12	A0833	Convinth Bridge				Repairs to arch barrel and wingwalls
12	U1074	Abersky				Replace cattlegrid
	-	Ward 19				
19	C1121	Tomatin - Garbole. Corrievorrie Br				Replace timber deck
19	U4714	Milton of Leys Distributor Rd. Mill Burn Bridge				Repair scour damage to foundations
	•	All Wards	•	•		
All	All	Vegetation Removal on Bridges				All Structures
All	All	General Bridge Maintenance / Repairs				General Manitenance / Emergency Repairs