

Agenda Item	7
Report No	CIA/4/18

HIGHLAND COUNCIL

Committee: City of Inverness Area Committee

Date: 22 February 2018

Report Title: Roads Maintenance Programme 2018/19

Report By: Director of Community Services

1 Purpose/Executive Summary

- 1.1 This report details the proposed 2018/19 Roads Maintenance Programme for City of Inverness Area.

2 Recommendations

- 2.1 Members are asked to approve the proposed 2018/19 Roads Maintenance Programme for City of Inverness Area.

3 Background

- 3.1 This report outlines the proposed road maintenance programme for 2018/2019.
- 3.2 The Community Services Committee local allocations budget has not yet been determined. Consequently the roads maintenance programme has been based on the 2017/18 budget (less the 'one off' Capital 3 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 no reduction on the surface dressing programme.

- 3.3 The approved 2017/18 Community Services 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**); and
- 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. The risk implications include a continued reduction in the standard of road conditions across Inverness Area.

7.2 Legal – No implications.

7.3 Community (Equality, Poverty and Rural) – There may be rural considerations where the lower road usage levels and distances between communities reduce the opportunity to maximize the impact of investment decisions when compared to more densely populated area /roads with greater usage levels.

7.4 Climate Change/Carbon Clever - No implications.

7.5 Risk – Continuing investment is necessary to ensure the road asset is maintained in a satisfactory condition.

7.6 Gaelic - This report has no impact on Equality or Gaelic.

Designation: Director of Community Services

Date: 30th January 2018

Author: John Taylor, Road Operations Manager, Inverness

Appendix 1 - Roads Budget Allocation - Year 2017/18 - Ver 1.1 (Final)

Item	Description	Total	HQ	Caithness	Sutherland	Ross & Cromarty	Island of Skye	Nairn	Badenoch & Strathspey	Lochaber	Inverness
	Parameters										
(a)	Total Road Length (km)	6,747		761.2	1,336.8	1,651.1	618.2	303.4	387.3	670.4	1,018.9
(b)	Urban Road Length (km)	1,106		108.5	109.8	304.4	35.0	55.2	71.3	73.1	348.4
(c)	Number of Bridges	1,332		93	282	308	112	32	96	230	179
(d)	Population (Year 2011)	232,132		26,486	13,820	56,666	10,177	12,566	13,664	19,930	78,823
(e)	Gullies (WDM db)	44,610		4,835	2,491	11,522	878	2,006	2,653	3,653	16,572
(f)	Winter Allocation	100%	1.63%	10.81%	20.79%	22.13%	11.06%	2.17%	8.64%	5.58%	17.19%
(g)	Weighted Mileage	100%		10.97%	19.50%	24.36%	8.81%	4.46%	5.65%	9.93%	16.33%
(h)	Watercourse	100%		11.07%	16.49%	24.37%	7.82%	4.67%	5.70%	9.63%	20.25%
(i)	Structural Maint. (SRMCS)	100%		10.61%	17.38%	22.53%	11.68%	4.17%	5.93%	12.19%	15.51%
(j)	Surface Dressing (SRMCS)	100%		12.43%	11.38%	21.13%	11.59%	4.46%	8.68%	12.70%	17.62%
	REVENUE										
(k)	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
(l)	Cyclic Maintenance	£5,156,389	£20,000	£563,494	£1,001,698	£1,251,177	£452,266	£228,969	£290,066	£509,796	£838,923
(m)	Drainage	£203,588		£22,335	£39,704	£49,592	£17,926	£9,076	£11,497	£20,206	£33,252
(n)	Jetpatcher (THC vehicle)	£100,000		£11,282	£19,812	£24,471	£9,162	£4,497	£5,740	£9,936	£15,101
(o)	Gully Emptying	£300,000		£32,515	£16,752	£77,485	£5,905	£13,490	£17,841	£24,566	£111,446
(p)	Bridges - Structural Maintenance	£607,042		£42,384	£128,518	£140,367	£51,043	£14,584	£43,751	£104,820	£81,577
(q)	Bridges - Principal Inspections	£100,000	£100,000								
(r)	Safety Barriers (Bid to HQ)	£250,000	£250,000								
(s)	Water Course Maintenance (Bid to HQ)	£250,000	£250,000								
	Total Revenue Budget	£11,948,775	£701,256	£1,210,696	£2,241,942	£2,645,539	£1,087,271	£378,527	£799,297	£947,373	£1,936,873
	Additional £2m										
	50% on Road Length			£0	£0	£0	£0	£0	£0	£0	£0
	50% on Road Condition Survey										
	Capital Budget No 1 (£4.5m)										
(t)	Structural - Overlay/Inlay	£1,150,000		£121,977	£199,894	£259,121	£134,365	£47,991	£68,143	£140,193	£178,315
(u)	Structural Integrity Improvements	£1,500,000		£0	£0	£654,938	£349,156	£0	£0	£0	£496,949
	SD	£1,500,000		£186,454	£170,689	£316,955	£173,897	£66,885	£130,195	£190,561	£264,364
	RS	£1,500,000		£159,101	£260,731	£337,983	£175,259	£62,598	£88,883	£182,861	£232,585
(v)	Surface Dressing	£1,500,000		£345,555	£431,420	£0	£0	£129,482	£219,077	£373,422	£0
(w)	Bridge Maintenance (HQ/Structures)	£350,000	£350,000								
	Sub-Total Capital Budget No 1	£4,500,000	£350,000	£467,532	£631,314	£914,059	£483,521	£177,474	£287,220	£513,615	£675,264
	Capital Budget No 2 (£2.7m Year 2)										
(x)	Structural Road Maint (SRMCS)	£2,250,000		£238,651	£391,097	£506,975	£262,889	£93,896	£133,324	£274,291	£348,877
(y)	Road Markings	£150,000	£150,000								
(z)	Bridge Maintenance (Structures/Areas)	£300,000	£300,000								
	Sub-Total Capital Budget No 2	£2,700,000	£450,000	£238,651	£391,097	£506,975	£262,889	£93,896	£133,324	£274,291	£348,877
	Capital Budget No 3 (£1m)										
(aa)	Timber Transport Routes (STTS)	£500,000	£500,000								
(ab)	Structural - Overlay/Inlay (A & B Roads)	£500,000		£53,034	£86,910	£112,661	£58,420	£20,866	£29,628	£60,954	£77,528
	Sub-Total Capital Budget No 3	£1,000,000	£500,000	£53,034	£86,910	£112,661	£58,420	£20,866	£29,628	£60,954	£77,528
	Total Capital Budget	£8,200,000	£1,300,000	£759,217	£1,109,321	£1,533,695	£804,830	£292,236	£450,172	£848,860	£1,101,669
		£20,148,775									

Notes:

This version (1.1) takes into account the change to the Nairn/Inverness boundary (Clephanton/Cawdor) effective from April 2017.

Appendix 2 - Structural Integrity Improvements – Surface Dressing 2018/19

Inverness

£390,088.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	C1072	Abriachan to Cragganvallie	4240	3.2	13568	Surface Dressing
12	B862	Whitebridge to Fort Augustus (Various Locations)	4200	6	25200	Surface Dressing
12	U1096	Brin, Dunteltchaig junct to B851 junct	2600	3.2	8320	Surface Dressing
12	C1064	South of Essich (Existing Blacktop)	880	4.5	3960	Surface Dressing
12	B862	Torbreck to Scaniport	2200	5.5	12100	Surface Dressing
Ward 13						
13	U4562	Lawers Way	340	5.5	1870	Surface Dressing
13	U4298	Rangemore Road (Also ward 14)	390	6	2340	Surface Dressing
13	U4401	Kenedy Drive	200	5.5	1100	Surface Dressing
13	U4318	Scorguie Road (Part)	100	7	700	Surface Dressing
Ward 14						
14	U4350	St Ninians Drive	180	5.2	936	Surface Dressing
14	U4310	Rowan Road	370	5.5	2035	Surface Dressing
14	U4039	Hill Park	75	5.5	412.5	Surface Dressing
14	U4148	Muirfield Gardens	170	6	1020	Surface Dressing
14	U4093	Lochalsh Road (North End)	250	7.3	1825	Surface Dressing
14	U4087	Lilac Grove (Loop Rd)	440	5.5	2420	Surface Dressing
14	U4160	Bridgeview Drive	200	5.5	1100	Surface Dressing
14	U4322	Rosehaugh Road	400	5.5	2200	Surface Dressing
14	U3830	Carse Road	370	5.5	2035	Surface Dressing
14	U3881	Duncraig Street	120	5.5	660	Surface Dressing
Ward 15						
15	U3869	Drumdevan Place including Cul De Sacs	360	5.5	1980	Surface Dressing
15	U3919	Errogie Place	170	5.5	935	Surface Dressing
15	U3996	Garth Road	100	5.5	550	Surface Dressing
15	B862	Island Bank Road (West of Drummond Crescent)	800	7.5	6000	Surface Dressing
15	U4120	Leyton Drive, Hilton	100	5.5	550	Surface Dressing

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 16						
16	U4567	Eriskay Road (Cul De Sacs)	150	5.5	825	Surface Dressing
16	U4561	Milton Crescent	550	5.5	3025	Surface Dressing
16	C1248	Stadium Road (North End)	400	7.5	3000	Surface Dressing
16	U4684	Old Mill Lane	360	4.5	1620	Surface Dressing
Ward 17						
17	U1834	Fulmar Crescent, Ardersier	130	5.5	715	Surface Dressing
17	C1017	Airport Link.	600	5.5	3300	Surface Dressing
17	U2233	Forest Drive Balloch	80	5.5	440	Surface Dressing
17	U1037	Hillhead Road, Ardersier	380	3.2	1216	Surface Dressing
17	U1315	Braeside Park, Balloch (Part)	60	5.5	330	Surface Dressing
17	U1813	Wallace Place, Culloden (Part)	60	5.5	330	Surface Dressing
17	U1846	Smithton Park (Part)	500	5.5	2750	Surface Dressing
Ward 19						
19	U2898	Towerhill Road, Cradelhall	200	5.5	1100	Surface Dressing
19	U2900	Towerhill Place	200	5.5	1100	Surface Dressing
19	U2902	Towerhill Gardens	370	5.5	2035	Surface Dressing
19	U2957	Towerhill Avenue	600	5.5	3300	Surface Dressing
19	C14	Craggie towards Culdoich	500	3.2	3000	Surface Dressing

Appendix 3 - Structural Integrity Improvements – Resurfacing 2018/19

Inverness

£346,400.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	A833	Culnakirk (2 Sections on brae)	800	6	4800	* Budget Dependat *
Ward 13						
13	U4142	Montague Row (Glen Urquhart Road to Fairfield Road)	350	7	2450	
Ward 14						
14	U3826	Caledonian Road (East End)	200	6	1200	
Ward 16						
16	U4136	Midmills Road (Crown Circus to Crown Drive junction)	380	6.3	2394	
16	B0865	Harbour Rd / Seafield Road (Various)	300	6.4	1920	

Appendix 4 - Structural Integrity Improvements – Other Works 2018/19

Inverness

£287,200.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	B862	Dores-Foyers (Edge Strengthening)				Edge Strengthening
12	U1746	Balgate Drive, Kiltarlity				Footpath Resurfacing + C/W Patching
12	U2987	Main Road / Station Road / Beaufort Gardens, Beauly				Machine Patching/Drainage works
Ward 14						
14	U4380	Union Street/Queengate				Granite Channel kerb replacement
Ward 15						
15	B862	Island Bank Road (Sections from Drummond Crescent to Dores Avenue)				Footpath Resurfacing
Ward 16						
16	U4136	Kingsmills Rd (various)				Footway Slurry Sealing
16	B9006	Old Perth Road (Millburn RBT towards Balmoral Terrace)				Footpath Resurfacing
16	U4561	Milton Crescent (Chicanes)				Surface Chicanes
Ward 17						
17	U1037	Hillhead Road (Various Sections)				Machine Patching
Ward 19						
19	B861	Newton of Leys to Tomfat Woods,				Edge Strengthening
19	U1840	Cradelhall Park Footpaths (Continuation of previous works)				Footpath Slurry Sealing
All Wards						
		Patching/ Machine Patching, Various Locations				
		Drainage/ Various				
		Jet Patching/Various				

Appendix 5 - Structural Integrity Improvements – Bridge Repairs 2018/19

Inverness

£80,000

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
All Wards						
All	All	Vegetation removal				Several structures identified
Ward 13						
12	U1074	Abersky Road cattlegrid replacement				
12	B9164	Newton Burn Bridge				Repair gap in edge hard strip
12	U1120	Faillie Bridge				Renew verges across structure
12	U1663	Auchteraw				Replace timber deck
12	A831	Carnoch (between Cannich - Struy)				Concrete repairs to invert
All Wards						
All	All	General bridge maintenance				General manitenance