

Agenda Item	16
Report No	CIA/20/17

HIGHLAND COUNCIL

Committee: City of Inverness

Date: 19 June 2017

Report Title: Area Maintenance Programme for Roads and Bridges

Report By: Director of Community Services

1. Purpose/Executive Summary

- 1.1 This report invites Members to approve the Maintenance Programme for Roads and Bridges for the City of Inverness Area for 2017/18.

2. Recommendations

- 2.1 Members are asked to:

Approve the Maintenance Programmes for Roads and Bridges for the City of Inverness Area for 2017/18.

3. Background

- 3.1 The Roads budget allocation for maintenance operations in the Inverness Area has been finalised for 2017/18.
- 3.2 Maintenance programmes are prepared by the Area Roads Operations Manager in accordance with the principles set out in the Road Asset Management Plan for subsequent consultation and approval by Members.
- 3.3 A full description of the budget allocation relevant to each activity heading is shown 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:
 - Verges 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 Structural Activities.

- 4.3 Inverness Area team carry out surface dressing operations in other Areas and in view of this have been able to accommodate a surface dressing programme as part of the Inverness Structural Maintenance (Capital) programme for 2017/18:

- 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 Programmes

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
- 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: 24 May 2017

Author: John Taylor, Road Operations Manager

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 2017/18

Inverness

£270,147.73

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	B862	Loch Ceo Glais	1200	5	6000	Surface Dressing
12	B852	Foyers Village to Lower Foyers Road	730	5	3650	Surface Dressing
12	B862	Abersky to Dunmaglass	350	5.5	1925	Surface Dressing
12	C1108	Eskadale Hughton	4300	3.5	15050	Surface Dressing
12	U	Struy to Mauld Bridge	530	3.2	1696	Surface Dressing
12	C1104	Croyard Road, Beauly	950	5.5	5225	Surface Dressing
12	U1671	Fort Augustus, Old Main Road	880	5.5	4840	Surface Dressing
12	U1663	Auchteraw Road, Fort Augustus	530	4.5	2385	Surface Dressing
Ward 13						
13	U4565	Creag Dhubh Terrace Cul De Sac's	230	5.5	1265	Surface Dressing
13	U4562	Lawers Way (part)	100	5.5	550	Surface Dressing
13	U4564	Mamore Terrace	140	5.5	770	Surface Dressing
13	U4401	Kennedy Drive	150	5.5	825	Surface Dressing
Ward 14						
14	U4140	Mitchells Lane	120	5.5	660	Surface Dressing
14	U3840	Craigton Av	360	6	2160	Surface Dressing
Ward 15						
15	U3907	Erracht Road	130	5.5	715	Surface Dressing
15	B862	Dores Roundabout to Torbreck Jct.	1514	5.5	8327	Surface Dressing
15	U4554	Dores Avenue	160	5.5	880	Surface Dressing
15	U3817	Broom Drive (Cul de Sac)	70	3.5	245	Surface Dressing
15	U3882	Delnies Road	180	5	900	Surface Dressing
15	U3854	Darris Road	480	6	2880	Surface Dressing
Ward 16						
16	U1248	Stadium road (SMA) (part)	1600	7.3	11680	Surface Dressing
16	U4566	Uist Road	360	7	2520	Surface Dressing
16	U3794	Balmoral terrace	200	6	1200	Surface Dressing
Ward 17						
17	U1251	Seaforth Avenue, Ardersier	60	5.5	330	Surface Dressing
17	U1295	Forbes Place	155	6	930	Surface Dressing
17	C1088	Clava Bridge- Viaduct	700	3	2100	Surface Dressing
17	U1054	Clachan Road	173	5	865	Surface Dressing
Ward 19						
19	U2093	Sunnyside, Culloden Moor	775	5.5	4262.5	Surface Dressing
19	U2944	School Road, Tomatin	250	5.5	1375	Surface Dressing
19	C1088	Clava Viaduct - Junction with C14	700	3	2100	Surface Dressing
19	U2840	Old Mill Road Tomatin	170	4.5	765	Surface Dressing
19	B851	Daviot from A9 jct towards Café	500	5	2500	Surface Dressing

Appendix 3 - Structural Integrity Improvements – Resurfacing 2017/18

Inverness

£429,320.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	U1556	Drumchardine	250	3	750	Overlay
12	A831	Beauly Toll to Quarry	200	6.5	1300	Overlay
12	U1576	South Clunes	400	3	1200	Overlay
12	C1072	Abriachan to Foxhole (Cragganvallie)	500	3	1500	Overlay
12	B862	Dores Hill	800	4	3200	Overlay
Ward 13						
13	U4550	Nevis Park (Selected areas)	350	5.5	1925	Inlay
13	U4565	Creag Dhubh junction				Inlay
Ward 14						
14	U3820	Bruce Gardens (Part) St Valery avenue to Dalneigh Cr.	560	7	3920	Inlay
14	U3976	Fairfield Road from Kenneth St. jnc. To Harrowden Row	420	7	2940	Inlay
Ward 15						
Ward 16						
16	U4566	Uist road junction with Harris Road				Inlay
16	U4413	Teal Avenue	270	6	1620	Inlay
Ward 17						
17	C1056	Culdoich (East of Railway Bridge)	480	3.2	1536	Overlay
17	B9092	Balnagowan	300	5.5	1650	Overlay
Ward 19						
19	U2840	Old Mill Road, Tomatin, junction				Inlay
19	C1121	Tomatin, corner north of railway viaduct	26	6.2	161	Inlay

Appendix 4 - Structural Integrity Improvements – Other Works 2017/18

Inverness

£325,000.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	B862	Dores-Foyers	450	2	900	New Passing Places Structural Patching Edge Strengthening / Overlay Edge Strengthening
12	A862	Main Road, Beauly				
12	A833	A862 Jct- Kiltarlity				
12	B852	Foyers to Chapel Bridge				
Ward 14						
14		Union Street/Queengate				Granite Channel Kerb Replacement
Ward 15						
15	U3943	Evan Barron Road	50	2.5	125	Excavate & Resurface Cobbled Area
Ward 16						
16	B861	Old Edinburgh Road Footpaths				Slurry Sealing
Ward 17						
17	U1840	Cradelhall Park Footpaths				Slurry Sealing
Ward 19						
All Wards						
		Various Various Various				Patching/Junction Repairs Drainage Jet Patching

Additional Approved Capital Scheme						£77,000.00
19	B861	Newton of Leys to Tomfat Woods				Edge Widening

Appendix 5 - Structural Integrity Improvements – Bridge Repairs 2017/18

Inverness

£80,000.00

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 12						
12	U1074	Abersky Road, Torness				Replace Cattle Grid
12	A831	Carnoch (between Cannich - Struy)				Concrete Repairs to Invert
12	A862	Kirkton (on straight out of Bunchrew)				Vegetation Removal
12	C1108	Eskadale (Hughton - Eskadale road)				Vegetation Removal
12	C1108	Bruiach (west of Kiltarlity)				Concrete Repairs to Soffit
Ward 13						
13	A831	Clachnaharry Sea retaining wall				Repairs to Retaining Wall
Ward 19						
19	C1121	Garbole (Farr - Garbole junction)				Parapet Reconstruction
19	U2829	Findhorn (South of Tomatin off old A9)				Concrete Repair to Wingwall
All Wards						
All	All	General Bridge Maintenance				General Maintenance