

Agenda Item	9
Report No	RC/028/16

Area Maintenance Programme for Roads and Bridges

Report by Director of Community Services

Summary

This report invites Members to approve the proposed Maintenance Programme for Roads and Bridges for the Ross and Cromarty Area for 2016/17.

1. Background

- 1.1 The 2016/17 budget allocation for road maintenance operations, and its distribution between the eight new Local Committee areas, was agreed by the Community Services Committee at its meeting on 28 April 2016. This report therefore outlines the proposal for road maintenance in accordance with the approved budget.
- 1.2 The approved Community Services Committee local allocations can be found at **(Appendix 1)** to this report.

2. Budget Allocation

- 2.1 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:
 - Structural – Resurfacing (Overlay/Inlay)
 - Structural Integrity Improvements
 - Surface Dressing
 - Bridge Maintenance

- 2.2 For operational purposes this report combines the budget allocations for Structural Resurfacing and Structural Integrity Improvements as both operations are a pre-cursor to Surface Dressing operations in subsequent years.
- 2.3 This being the second year of the Surface Dressing cycle, Ross and Cromarty will deliver its Surface Dressing operation this year. This report focuses on the 2016/17 programmes for:
- Structural – Resurfacing (Overlay/Inlay) and Surface Dressing (**Appendix 2**) and;
 - Bridge Maintenance (**Appendix 3**)

3. Road Structural Maintenance Programmes

- 3.1 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) data.
 - Safety Inspections
 - Service Inspections
 - Input and feedback from Ward Members

4. Bridge Maintenance

- 4.1 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 in excess of 5.0 metres.
- 4.2 Only relatively minor works of a non-specialist, 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.

5. Implications

- 5.1 The combined programme for Structural Resurfacing and Structural Integrity Improvements enables the Council to meet its duty under the Roads (Scotland) Act 1984 within the Local Committee area.
- 5.2 This report has no impact on Equality, Gaelic, Climate Change or Carbon Clever considerations. However, 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.

5.3 All work will be managed within budget allocations from a resource perspective with the Council delivering its legal responsibilities.

Recommendation

Members are invited to approve the Maintenance Programmes for Roads and Bridges for the Ross and Cromarty Area for 2016/17.

Designation: Director of Community Services

Date: 20 July 2016

Author: Iain Moncrieff, Roads Operations Manager

APPENDIX 1 - Draft Roads Budget Allocation 2016/17

Note: * Preparatory work for Resurfacing and Surface Dressing in the following year.

Description	Total	HQ	Caithness	Sutherland	Ross & Cromarty	Island of Skye	Nairn	Badenoch & Strathspey	Lochaber	Inverness
REVENUE										
Winter Allocation	£4,981,756	£92,624	£550,736	£967,177	£1,348,772	£383,359	£111,873	£396,441	£303,771	£827,003
Cyclic Maintenance	£5,356,389	£20,000	£585,382	£1,040,600	£1,299,777	£469,831	£200,032	£301,270	£529,597	£909,900
Drainage	£203,588		£22,333	£39,700	£49,588	£17,924	£7,631	£11,494	£20,205	£34,713
Gully Emptying	£300,000		£26,313	£15,713	£80,272	£6,123	£12,909	£18,509	£24,633	£115,527
Bridge Structural Maintenance	£607,042		£42,384	£128,518	£140,367	£51,043	£13,672	£43,751	£104,820	£82,488
Safety Barriers (Bid to HQ)	£250,000	£250,000								
Water Course Maintenance (Bid to HQ)	£250,000	£250,000								
Total Revenue Budget	£11,948,775	£612,624	£1,227,148	£2,191,707	£2,918,776	£928,280	£346,117	£771,465	£983,025	£1,969,632
CAPITAL Allocation (£4.5M)										
Structural - Overlay/Inlay	£1,150,000		£125,611	£203,323	£259,640	£128,911	£33,248	£65,927	£141,271	£192,069
Structural Integrity Improvements	£1,500,000		£379,189	£446,641	£0	£0	£91,446	£216,361	£367,854	£0
Surface Dressing	£1,500,000		£0	£0	£643,362	£337,150	£0	£0	£0	£517,998
Bridge Maintenance (HQ/CSE)	£350,000	£350,000								
Sub Total Capital	£4,500,000	£350,000	£504,799	£649,964	£903,002	£466,062	£124,694	£282,287	£509,124	£710,067
Additional Capital (£24.3M Year 1)										
Structural Road Maint (SRMCS)	£2,150,000		£234,837	£380,126	£485,415	£241,008	£62,160	£123,254	£264,115	£359,085
Road Markings (HQ/Area)(Road Length)	£150,000	£150,000								
Bridge Maintenance (CSE)	£400,000	£400,000								
Sub-Total Additional Capital	£2,700,000	£550,000	£234,837	£380,126	£485,415	£241,008	£62,160	£123,254	£264,115	£359,085
Total Capital Allocation	£7,200,000	£900,000	£739,637	£1,030,091	£1,388,417	£707,069	£186,854	£405,541	£773,239	£1,069,152

Appendix 2 – Draft Structural Overlay/Inlay and Structural Integrity Improvements 2016/17

Ross and Cromarty

Ward	Route	Location	Length (m)	Width (m)	Area (sq.m)	Comments
Ward 6 - WesterRoss, Strathpeffer & Lochalsh						
6	A896	Tornapress Jct northwards	3000	3.3	9900	Surface Dressing
6	A890	Balnacra – Achashellach Lodge	2000	3.3	6600	Surface Dressing
6	C1083	Inveralligin – Upper Diabeg	2500	3.3	8250	Surface Dressing
6	C1221	South of Drumbuie to Duirinish	2000	3.3	6600	Surface Dressing
6	U4942	Ardelve Loop Road (2 Sections)	650	3.8	2470	Overlay
6	A896	East of Sanachan (2 Sections)	600	3.3	1980	Overlay
Ward 7 – Cromarty Firth						
7	U4242	Invergordon Saltburn Distributor	600	8	4,500	Surface Dressing
7	B817	Evanton Village	800	6	4,800	Surface Dressing
7	U2007	Woodlands Pelaig Culbin	1,500	3	4,500	Surface Dressing
7	A862	Kincraig - Mineral Bridge	1,000	6	6,000	Surface Dressing
Ward 8 – Tain & Easter Ross						
8	B9175	Balinluig to Balnaha	570	5.5	3135	Overlay
8	U1890	Woodie Brae – Rail bridge	350	4.5	1575	Overlay
8	C1059	Lamington Quarry Road	200	3	600	Overlay
8	B9175	Arabella Junctions	200	7.0	1400	Overlay
8		Milton Village	300	5.5	1650	Inlay
Ward 9 – Dingwall & Seaforth						
9	A832	Lillyloch 30 Signs-Tarradale, Muir of Ord	250	2	500	Inlay
9	U4513	Docherty Industrial Estate	100	5.5	550	Inlay
9	U3013	Balvraid	1200	3.0	3600	Recycle
9	U4450	Burns C	233	5.5	1281	Inlay

Ward 10 – Black Isle

10	B9163	Culbokie-Balblair	300	2	600	Machine Patching
10	C1035	Wester Templands	200	4.0	800	Overlay
10	U2724	Flowerburn	1350	2.5	3375	Recycle
10	C1035	Limekilns	250	4.0	1000	Overlay
10	U2581	LittleBurn-Munloch	650	3.0	1950	Recycle and Overlay
10	U2524	Raddery Loop	500	3.0	1500	Overlay

Appendix 3 - Bridge Maintenance 2016/17

Ward	Route	Bridge Reference	Bridge Name	Description of Works
Ward 6 - WesterRoss, Strathpeffer & Lochalsh				
6	A832	A08320289	Slattadale	Remove trees and vegetation from in proximity to wingwalls, verge and carriageway.
6	A832	A08320330	Poolewe	Remove vegetation, rod out drainage outlets and re-paint pedestrian railings
6	A832	A08320330C29	Tournaig	Clear all vegetation from on and around structure and install effective Road Restraint System to both sides of the road.
6	A832	A08320360	Inverianvie	Rebuild uplink training wall and repoint both training walls. Repoint joints and remove vegetation.
6	A832	A08320440	Allt Leacach	Replace missing panels. Drill holes in parapet posts. Undertake minor concrete repairs, install drip check and remove vegetation
6	A890	A08900129	Allt Chrubaidh	Repair embankment. Unblock pipes and remove vegetation.
6	A890	A08900150	Luib	Clear Offlets. Repair timber post and rail fences.
6	B8021	B80210010	Gairloch	Clear vegetation and silt from downlink invert. Remove vegetation from batter paving.
6	B8056	B80560040	South Erradale	Remove vegetation
6	U3716	U37160010	Achintraid	Replace missing bolt and missing/damaged poles. Fill void underneath each of the downlink wingwalls. Install drip check & remove vegetation.
6	C1047	C10470010	Allt Liathdoire	Repair damaged rail. Unblock existing offlets and provide additional offlets on downlink approach.
6	B8057	B80570040	Midtown	Re-profile river bed.
6	U3390	U33900010	Achvraie	Replace damaged bar and mass concrete base on safety fence

Ward	Route	Bridge Reference	Bridge Name	Description of Works
6	U4884	U48840039	Ling	Clear debris and vegetation from bearing shelves.
6	U4929	U49290010	Allt A Chruin	Replace missing stone. Install drip pipes to allow drainage of arch backfill. Reset masonry at parapet end. Remove vegetation from parapet, training walls, wingwalls and abutments.
6	U4948	U49480020	Braeintra	Excavate road, parapet and spandrel to head of masonry arch and concrete over. Provide temporary steel quickbridge over until spandrel walls repaired and rebuilt.
6	U4997	U49970010	Scallasaig Bailey	Remove vegetation/moss growth from bearing shelves. Repoint areas of blockwork. Remove tree and scrub from both sides of bridge.
6	C1223	C12230100	Upper Sandaig	Repair carriageway to ensure positive drainage. Clear footways and channels of vegetation. Remove vegetation adjacent wingwalls.
6	C1223	C12230030G83	Above Moyle Jct	Replace Cattle Grid
6	U4948	U49480020G02	Braeintra 1	Replace Cattle Grid
6				Contingency for Emergency Works – Cattle Grid Failure
Ward 7 – Cromarty Firth				
7	B9176	B91760050	Crannich	Clear Invert of gravels and trees. Reprofile bed.
7	B817	B08170040	Contullich	Remove Vegetation, Debris and other Detritus.
7	U1989	B19890020	Contullich Burn	Remove Debris and other Detritus
7	U1989	U19890030	Culcraggie Farm	Pointing Works. Remove/Cut Back Tree.
7	C1023	C10230020	Clyne	Repair damaged Parapet.
7	U1991	U19910010	Redburn	Repair damaged Parapet
Ward 8 – Tain & Easter Ross				
8	B817	B08170090	Pollo	Repair & Point damaged Parapet