

Agenda item	<b>9.</b>
Report no	<b>CC/07/18</b>

**Committee:** Caithness Committee

**Date:** 16 May 2018

**Report Title:** Road Structural Maintenance Report 2018/19

**Report By:** Director of Community Services

**1. Purpose/Executive Summary**

- 1.1 This report invites Members to approve the prioritised Structural Maintenance Programmes for Roads for the Caithness Area for 2018/19 and 2019/20.

**2. Recommendations**

- 2.1 Members are asked to approve the prioritised programme of Maintenance for Roads for the Caithness Local Committee Area commencing in 2018/19.

### 3. Background

- 3.1 This report sets out a prioritised list of structural maintenance works for the Caithness Area.
- 3.2 The annual budget for structural maintenance works has been in the order of £750k which means the current list could constitute 2 years of work.
- 3.3 It is the intention to continually update this list by adding to it and adjusting priorities so that an updated rolling programme of works can be published early in each new year to eliminate the risk of the structural programme starting before gaining full Area Committee agreement.
- 3.4 Members will be aware that the winter of 2017/18 has had a serious effect on our road network with all our roads deteriorating at an unprecedented rate. In order to try and restore our network to a manageable state, it is proposed that some of the resources from the capital budget previously earmarked for surface dressing and resurfacing programmes is used to support essential patching works to repair road safety defects (pot-holes), as it is recognised that resources available in our revenue budget will not be sufficient to carry out patching on the scale now required.
- 3.5 This will unfortunately mean that not all of the resurfacing and surface dressing schemes which had previously been prioritised for completion this year can be taken forward and may require to be deferred for future years.
- 3.6 It is therefore important that Members are given the opportunity to review and agree the revised prioritised programme attached.

### 4. Budget Allocation

- 4.1 Road Maintenance budgets are normally allocated under the following headings:-

- **Winter Maintenance (Revenue)**
- **Cyclic Maintenance (Revenue)** including:-
  - Drainage
  - Footpath Maintenance
  - Gully Cleansing
  - Temporary Patching Repairs
  - Road Marking Renewal
  - Sign Maintenance
  - Verge Maintenance
  - Other Cyclic and Routine maintenance
- **Structural Maintenance (Capital)** including:-
  - Structural Resurfacing (Overlay/Inlay)
  - Structural Integrity Improvements
  - Surface Dressing
  - Recycling
  - Major Patching

- 4.2 This report focuses on the Structural Maintenance (Capital) programme.

### 5. Road Structural Maintenance Programmes

- 5.1 Schemes were selected for inclusion in these programmes on the basis of need using the 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; and
  - Input and feedback from members
- 5.2 The Scottish Road Maintenance Condition Survey (SRMCS) records data which is processed to show rutting, profile, cracking and surface texture. Surface texture is principally used in the preparation of surface dressing programmes. Rutting and profile data is used for surfacing programmes, while cracking data is used in both surface dressing and surfacing programmes.
- 5.3 The SRMCS survey is undertaken according to the following schedule:-
- A class roads Annually;
  - B class roads Every two years; and
  - C & U class roads Every three years
- 5.4 The SRMCS survey is presently up to date. The surveys are usually undertaken throughout the spring, summer and autumn but do not include winter damage due to the freeze thaw cycle.
- 5.5 The SRMCS data is processed after the survey and is displayed on Williams Detail Management (WDM) geographical information system. WDM allows the survey information to be plotted alongside roads. The information is colour coded according to the condition of the road.
- 5.6 WDM can produce a paper plan showing the damage over a wide area but the volume of data and the scale of the plan results in the data being difficult to use or handle. The system is best used interactively, using both an over view and then closer inspection at a smaller scale. Small scale prints can be produced for specific sites.
- 5.7 Given the survey frequency, the SRMCS data is only indicative of the road conditions at any one time. Additional deterioration and repairs may not be captured on the survey. Consequently additional sources of information are used.
- 5.8 All roads are inspected either monthly, quarterly or annually for safety hazards depending on their priority. Roads are also inspected in the course of preparing the works programmes. These inspections, together with specific concerns raised through Members and Community Councils, are considered for inclusion in the works programmes.
- 5.9 The programmes are prepared over the winter months and are finalised in the spring to allow for additional damage due to freeze thaw cycle. This last winter has had a serious effect on the road network. The programmes reflect both the strategic network and the importance attached to local roads by rural communities.

5.10 Prior to finalising the programmes, each site is again visited by experienced engineers to confirm the importance of the works against the network and the details of the designs.

## **6. Implications**

6.1 Resource - 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.

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

6.3 Community (Equality, Poverty and Rural) - 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.

6.4 Climate Change / Carbon Clever – No implications.

6.5 Risk – No implications.

6.6 Gaelic – No implications.

Designation: Director of Community Services

Date: 26 April 2018

Author: Graham Mackenzie, Road Operations Manager

Background Papers: Appendix 1 – Caithness Capital Works 2018

Appendix 1 - Prioritised Caithness Surfacing and Surface Dressing

Priority	Activity	General Description	Average Road Width (m)	Scheme Length (m)	Total Area (m <sup>2</sup> )
1	Pothole Repairs	Caithness			
2	Inlay	U3618 Newton Road From Kenneth St Jct To The New High School	7	170	1190
3	Inlay	U2348 Churchill Road Castletown Police Station	5	50	250
4	Inlay	A836 Reay School	5.5	95	522.5
5	Overlay	C1069 Poolhoy To Wester Rd Tister Farm	3	200	600
6	Overlay	C1006 Wester Bridge To Greenland @ Reaster Farm	3	1160	3480
7	Overlay	C1033 Everley Crockster Toll Rd @ Phillip Mains	3	640	1920
8	Overlay	U1557 Freswick Skirza Rd Jct	3	130	390
9	Overlay	U1300 Halcro To Faulds Rd At Bower Jct	3	190	570
10	Overlay	U1557 Freswick Skirza Rd Near The End Of The Road	3	190	570
11	Overlay	C1247 Whitebridge Scarfskerry Mey Rd @ Harrow Hrbr	3	670	2010
12	Overlay	U3618 Newton Road At Whitebridge	4.5	60	270
13	Overlay	U1755 Bower To Gillock Rd Hall To Bradsterdorran	3	690	2070
14	Inlay	U1865 Braal Terrace	3	50	150
15	Surface Dressing	B870 Lochshell Watten Mains Rd, Watten Mains To Knapperfield	3	1600	4800
16	Surface Dressing	B874 Hoy Gillock Gillock To Corsback Jct	3.5	430	1505
17	Surface Dressing	U2052 Shebster Achreamie Road At Achreamie Jct	3	167	501
18	Surface Dressing	U2066 Buldoo Achreamie Road	3	1700	5100
19	Surface Dressing	U2052 Forss Achreamie Road Skail To Forss Jct	3	2451	7353
20	Surface Dressing	C1069 Poolhoy Wester Olig Rd Durran Mains To Hoy Farm	3	1090	3270
21	Surface Dressing	B874 Hoy Gillock Road Hoy Jct To Knockdee	3.5	1678	5873
22	Surface Dressing	U4209 Sinclair St 6m Up The Centre	6	230	1380
23	Surface Dressing	U4313 Provost Cormack Drive Thurso	7.5	540	4050
24	Surface Dressing	U1360 Reiss Sibster Road A99 Jct To 30mph Signs	5	500	2500
25	Surface Dressing	A836 Canisbay Cem To Brigde At Lower Warse	6	730	4380

26	Surface Dressing	A836 Warse Farm Road To Road To Upper Gills		6	1500	9000
27	Surface Dressing	U1656 Scarfskerry Jct To Old Church (Melvich Chip)		3	1520	4560
28	Surface Dressing	U2110 Lythmore Road Jct To Just Over Bridge		3	706	2118
29	Surface Dressing	U1913 Plocan Brawlbin Road Plocan Jct		3	1140	3420
30	Surface Dressing	U1913 Plocan Brawlbin Road West Of Loch To Brawlbin Jct		3	678	2034
31	Surface Dressing	A836 Canisbay Cem To Brigde At Lower Warse		6	730	4380
32	Surface Dressing	A836 Warse Farm Road To Road To Upper Gills		6	1500	9000
33	Surface Dressing	U4084 Mayfield Road Whole Road		6	230	1380
34	Surface Dressing	U4391 Burnett Place Thurso Whole Road		6	275	1650
35	Surface Dressing	C1025 Sordale Bishopshill At Bishopshill Jct		3	230	690
36	Surface Dressing	C1048 Castletown Durrans Mains Road At Durrans Mains		3.5	640	2240
37	Surface Dressing	U1113 Achow Osclay Whole Road		3	3700	11100
38	Surface Dressing	U1109 Achcastle Shore Road		3	854	2562
39	Surface Dressing	U2411 Mansville Road (Clyth)		3	742	2226
40	Surface Dressing	U1408 Keiss Beach Whole Road		3	580	1740
41	Surface Dressing	A99 Lyth Jct To South Of Keiss		5	2500	12500
42	Surface Dressing	U1434 South St Keiss Whole Road		5	365	1825
43	Surface Dressing	U1629 Mey Foreshore East Jct To Highmeat House		3	1060	3180
44	Surface Dressing	U1629 Mey Foreshore West Jct To Sharp Bend		3	1200	3600
45	Surface Dressing	U1656 Hill Of Rattar Below Farm To Scarfskerry Jct		3	870	2610
46	Surface Dressing	U1633 Mey Rigifa Whole Road		3	755	2265
47	Surface Dressing	C1033 Everley Crockster Toll Rd From Phillips Mains To Lyth Jct		3	2100	6300
48	Surface Dressing	C1033 Canisbay Memorial To Tresdale		3	770	2310
49	Surface Dressing	U1609 Seater Canisaby Hill Of Warse Whole Road		5	1700	8500
50	Surface Dressing	C1033 Everley Crockster Toll Rd From Christian Hill To A99 Jct		3	2000	6000
51	Surface Dressing	U1360 Reiss Sibster Road A99 Jct To 30mph Signs		5	500	2500
52	Inlay	U3618 Newton Road From Kenneth St Jct To The New High School		7	170	1190
53	Overlay	U1241/ 1245 Newton Row		3	1006	3018
54	Overlay	U1384 Ruthers Of Howe Top Leg Of Road		3	176	528
55	Overlay	U1727 Reaster Bowermadden Road Auchorn To Murza 2 Bits		3	180	540
56	Patching	U2245 Murrayfield Rd Patching		1.2	100	120

57	Inlay	C1093 Kiess Harbour Road From Jct To Hall		6	120	720
58	Overlay	Norton Place		4	34	136
59	Patching	B874 Hoy To Watten Mains Rd		1.2	100	120
60	Patching	C1041 Wick Staxigoe Nursing Home To Anderson Drive		3	20	60
61	Patching	U3547 Henrietta St Wick Various Small Patches		1	40	40
62	Patching	B9159 Harbour Quay Various Small Patches		1	30	30
63	Patching	C1073 Harbour Terrace Jct With Breadalbane Terrace		7	20	140
64	Patching	U3805 Union St Wick Various Msall Patches		1	40	40
65	Patching	U3583 Loch St Wick Various Small Patches		1	50	50
66	Patching	C1073 Northcote St Wick Various Small Patches		1	60	60
67	Patching	U3668 Lindsay Drive		1.2	50	60
68	Patching	B870 Old Pumping Station		1	100	100
69	Patching	C1045 Main St Lybster Various Small Patches		1	40	40
70	Patching	A836 Mey Village Small Patch At "Hawthorn House"		1	100	100
71	Overlay	C1018 Bridge St Halkirk Several Patches		1.2	1,054	1,265
72	Overlay	B876 Reiss Castletown Road Reiss To Killimster Farm,		3	870	2610
73	Overlay	C1057 Haster To Thrumster Swartigill Burn To Thrumster Mains		3	150	450
74	Overlay	U1316 Myrelandhorn Quoybrae Road		3	1,293	3,879
75	Inlay	B870 Stanstill-Watten Mains Stanstill To Ivy Cottage		1.2	674	809
76	Inlay	B874 Ormlie Road From Castlegreen Road To College, (Patches)		7.5	280	2100
77	Overlay	U3632 River St Wick Roundabout To Flower Shop		3	190	570
78	Overlay	U1300 Halcro To Faulds Rd At Bower Jct		3	377	1131
79	Overlay	U1731 Lochside Hunster Road @ Above Granton Mains		3	300	2800
80	Overlay	U1113 Achow Oslay Road 300m At Top Of Hill And Bulreanrob		3	1767	5301
81	Overlay	C1021 Balnabruich Braemore		3	200	600
82	Overlay	U2052 Forss Achreamie Shebster Road		3	1100	3300
83	Inlay	B870 Frameside		1.2	53	63.6
84	Overlay	C1001 Waterplant Houses		3	440	1320
85	Overlay	U1727 Reaster Bowermadden Road Hunster To Hartfield		3	100	300
86	Overlay	U1093 Burrigale From A9 Down To Shore Road Croft		3	422	1266
87	Inlay	A836 Shebster Jct		6	105	630
88	Overlay	A99 Keiss Mains Towards Dogs Nose		6	350	2,100
89	Inlay	B874 Sinclair St Halkirk Junction At The Shop		9	30	270

90	Overlay	U1913 Dorrery Rd Near Loch		3	450	1350
91	Overlay	U1360 Reiss Sibster Rd At Harland Farm		3	220	660
92	Inlay	U4115 Park Avenue Thurso No 27-35 Patch		2	46	92
93	Overlay	C1048 Castletown Durran Mains Road West Of Durran Mains		3.5	40	140
94	Overlay	C1069 Poolhoy Wester Olig Rd @ Durran Mains		3	84	252
95	Overlay	C1069 Poolhoy Wester Olig Rd @ Durran Mains		3	124	372
96	Overlay	B874 Hoy Gillock Road Knockdee To Schoolhouse		3.5	720	2520
97	Overlay	B874 Hoy Gillock Stemster To Poolhoy		3.5	482	1687
98	Overlay	B874 Watten Mains To Lochshell, Winless Farm		3.5	110	385
99	Overlay	B874 Watten Mains To Lochshell, No7 Sibster Farm		4	315	1260
100	Overlay	B874 Watten Mains To Lochshell, No4 Sibster Farm		4.5	425	1912.5
101	Overlay	U1871 Halkirk Plocan Road Gerston To Sour Hil		3	670	2010
102	Overlay	A836 Reay Thurso Road Forss Hotel		6.5	112	728
103	Overlay	U2893 Instack Road		3	905	2715
104	Overlay	C1001 West Of West Field Bridge		6	510	3060
105	Overlay	C1001 Bardnaclavan		1.2	220	264
106	Overlay	C1001 Janetstown		1.2	266	319.2
107	Overlay	C1033 Greenland Rigifa Road Instack Brae		3	608	1824
108	Overlay	A836 Haygarth To St John Loch		5.6	1650	9240
109	Overlay	A836 Dunnet Beach		6.4	520	3328
110	Overlay	A836 Gills		5.8	1130	6554
111	Overlay	A882 Dunn To Wick (Various Sections)		6	1300	7800
112	Overlay	A99 Keiss To Rockwater		5	2900	14500
113	Overlay	U1823 Westerdale Lochmore		3	3000	9000
114	Overlay	B876 Riess Castletown @ Greenland Jct		3	290	870
115	Overlay	U3785 Wick Cemetery Rd		7.5	177	1327.5
116	Overlay	U1063 Latheronwheel Houstry		3	3400	10,200