

Agenda item	5.
Report no	SCC/06/18

HIGHLAND COUNCIL

Committee: Sutherland County Committee

Date: 23 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 Sutherland 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 Sutherland Local Committee Area commencing in 2018/19.

3. Background

- 3.1 This report sets out a prioritised list of structural maintenance works for the Sutherland 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

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Background Papers: Appendix 1 – Sutherland Capital Works 2017

Appendix 1 - Sutherland Prioritised surfacing and surface dressing works

Priority	Operation	Route	Locality	Site Description	Length	Width	Area
1	Pothole repairs		Sutherland	All routes			
2	Surfacing	A837	Ledmore	Lyne Straight	1000	5.5	5500
3	Surfacing		Embo	Embo to Crossroads	600	5.5	3300
4	Surfacing	U3477	Dornoch	Ospisdale	500	3	1500
5	Surfacing		Dornoch	Camore Crescent	300	5.5	1650
6	Surfacing	A894	Duartmore	Duartmore	500	6	3000
7	Surfacing	A837	Rosehall	Linside - Invernauld	800	3	2400
8	Surfacing	A837	Ledmore	Stronchrubie	800	5.5	4400
9	Surfacing	C1030	Brora	Harbour Road	350	5.5	1925
10	Surfacing	A836	Bonar Bridge	Bonar - Ardgay Edge Strengthening	250	2	500
11	Surfacing	B873	Ceann na Coille		500	3	1500
12	Surfacing	A836	Ardgay	Easter Fearn	600	5.5	3300
13	Surfacing	C1038	Rogart	West Langwell	2500	3	7500
14	Surfacing		Stoer	Culkein Loop	2000	2.7	5400
15	Surface Dressing	A836	Meikle Ferry	Meikle Ferry to Redburn	2000	6	12000
16	Surface Dressing	U1274	Keodale	Keodale	900	3	2700
17	Surface Dressing	A838	Rispond	Rispond to Portnacon	5000	3	15000
18	Surface Dressing	A836	Easter Fearn	Struie Junction to Easter Fearn	1200	6	7200
19	Surface Dressing	A839	Gunns Wood	2016 resurface	1000	5.6	5600
20	Surface Dressing	A837	Rosehall Brae	2016 resurface	1000	4.5	4500
21	Surface Dressing	B873	Grumbeg		500	3	1500
22	Surface Dressing	U1807	Bighouse		1800	2.8	5040
23	Surface Dressing	U2960	Ferry Road		4500	2.8	12600
24	Surface Dressing	C1134	Balnakeil		2000	3	6000
25	Surface Dressing	U1290	Smoo Road		400	2.8	1120
26	Surface Dressing	U1342	Ardmore		2000	2.7	5400
27	Surface Dressing		Cuthill		3000	2.8	8400
28	Surface Dressing	A837	Oykel Brae		1000	2.8	2800
29	Surface Dressing	U1682	Clerkhill		800	2.7	2160
30	Surface Dressing	U1007	Skerry Loop		2000	2.8	5600
31	Surface Dressing		Skelbo		1550	2.8	4340
32	Surface Dressing	A836	Armadale to Brawl		1500	5.5	8250
33	Surface Dressing	U1796	Strathy West		800	2.8	2240
34	Surface Dressing	A836	Trampies Cairn - Little Bridges		3200	3	9600
35	Surface Dressing	A837	Rosehall	War Memorial to Linside	6500	3.5	22750

36	Surface Dressing	U1827	Bettyhill		200	2.7	540
37	Surface Dressing	A839	Rhaoine - Riemarstaig		2000	5.6	11200
38	Surface Dressing	C1003	Inverkirkaig	Either side of the bridge	2000	2.7	5400
39	Surface Dressing		Dornoch - Embo	2016 Surfacing	1200	6	7200
40	Surface Dressing	C1113	Trantlemore		3000	2.7	8100
41	Surfacing	U1362	Old Pier Road		200	3	600
42	Surfacing	C1070	Spinningdale	Fairy Glen	500	2.7	1350
43	Surfacing	U1007	Elphin	Elphin Loop Road	475	2.7	1282.5
44	Surfacing	A836	Stanke		300	3	900
45	Surfacing	B873	Syre	Syre junction south	200	3	600
46	Surfacing	U2766	Loth	Whitehill / Ross Place	700	3	2100
47	Surfacing		Lairg	Achnairn	1000	2.7	2700
48	Surfacing	A897	Kildonan	Kildonan Lodge	300	3	900
49	Surfacing	A836	Lairg	Dalchork - North Dalnessie	1500	3	4500
50	Surfacing	U1878	Edderton	Mudh a Blair	750	3	2250
51	Surfacing	U1396	Edderton	Ardmore Loop	300	3	900
52	Surfacing	U1753	Strathy East		400	3	1200
53	Surfacing	A897	Forsinard		2000	3	6000
54	Surfacing	A949	Spinningdale	Oakwood Edge Strengthening	400	2	800
55	Surfacing	A837	Ledmore	Craggie Cattle Grid - Loch Craggie	1000	3	3000
56	Surfacing	U3064	Golspie	Grant Crescent	100	5.5	550
57	Surfacing	A836	Borgie Quarry		50	5.5	275
58	Surfacing	A835	Elphin	Ledmore - Luirgean	800	5.5	4400
59	Surfacing			Torboll	500	3	1500
60	Surfacing			Torboll	750	3	2250
61	Surfacing		Drumbeg	Drumbeg - Nedd	5000	2.7	13500
62	Surfacing	U1777	Bettyhill		200	2.7	540
63	Surfacing	U3353	Dornoch	Cromartie Road			1150
64	Surfacing	C1145	Dornoch	Stafford Road	400	5.5	2200
65	Surfacing	A836	Loyal		4000	4	16000
66	Surfacing	B871	Rhifail		400	3	1200
67	Surfacing	U5050	Golspie	Lindsay Street	180	5.5	990
68	Surfacing	U3359	Dornoch	St Gilbert Street	120	6	720
69	Surfacing	U1595	Invershin	Invershin Houses	100	8	800
70	Surfacing	A836	Braetongue		1000	3	3000
71	Surfacing	B873	1 mile east of junction		200	3	600
72	Surfacing		Arday	Kincardine Hill	500	2.7	1350
73	Surfacing	C1151	Dornoch	High Street	120	7.5	900
74	Surfacing		Embo	Shore Road	800	3	2400

75	Surfacing	A836	Lairg	Altnagar - Achinduich	1000	5.5	5500
76	Surfacing	U2943	Brora	Jimmy Gunns West Clyne	100	3	300
77	Surfacing	A836	Bhlarmore		300	3	900
78	Surfacing		Loth	Glen Loth	700	3	2100
79	Surfacing	A897	Kinbrace	Kinbrace North	1000	3	3000
80	Surfacing	U2277	Rogart	Eiden	500	3	1500
81	Surfacing	C1563	Modsarie - Strathan		300	3	900
82	Surfacing		Spinningdale	Council Houses	100	3	300
83	Surfacing		Bonar Bridge	Craigton	1000	2.7	2700
84	Surfacing		Cape Wrath				