

Agenda Item	6.
Report No	SCC/01/21

THE HIGHLAND COUNCIL

Committee: Sutherland County Committee

Date: 1 March 2021

Report Title: Road Structural Maintenance 2021/2022

Report By: Executive Chief Officer Infrastructure & Environment

1. Purpose/Executive Summary

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

2. Recommendations

- 2.1 Members are asked to:

Members are asked to approve the proposed prioritised 2021/22 Roads Maintenance Programme for Sutherland Area.

3. Implications

- 3.1 Resource - All work will be managed within budget allocations from a resource perspective with the Council delivering its legal responsibilities.
- 3.2 Legal - 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.
- 3.3 Community (Equality, Poverty, Rural and Island) - 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.
- 3.4 Climate Change / Carbon Clever – No implications.

- 3.5 Risk – No implications.
- 3.6 Gaelic - This report has no impact on Gaelic.

4. Background

- 4.1 The Road Maintenance Budget distribution for this year was approved at Economy and Infrastructure Committee on 4th February 2021. (Item 9, Report [ECI/6/21](#)). This year, 2021/22, it is £17.2M.
- 4.2 The current Revenue budget allocation for Sutherland has not yet been advised but will be assumed to be in the region of £2.7 million which is primarily required to cover our Labour, Plant, Materials and Salt required for Winter Maintenance for the 2021/22 season.
- 4.3 The current Capital budget allocation for Sutherland has also not been advised but the proposed priorities for 2021/22 are on the attached list. See attached Item 2.

The proposal is to undertake Surface Dressing and Structural Improvements.

- 4.3 The Ward Allocation of £100k per Ward will be included in the Capital Budget allocation and the prioritised list now includes the Ward location information

It is therefore important that Members are given the opportunity to review and agree the revised prioritised programme attached.

- 4.4 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.

5. Budget Allocation

- 5.1 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

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

6. Road Structural Maintenance Programmes

6.1 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

6.2 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.

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

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.

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.

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.

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.

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.

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.

Designation: Executive Chief Officer Infrastructure and Environment

Date: 16 February 2021

Author: Joanne Sutherland,
Roads Operations Manager, Caithness & Sutherland

Background Papers:

Received by Committee Services on 17 February 2021 at 8.42am.

Sutherland Prioritised Capital Works 2021/2022

2020 Priority	2021 Priority	Route	Activity	Locality	Ward	Site Description	Scheme Length (m)	Estimated Scheme Costs
18	1	B9167	inlay	Struie	4	Altnamain Straight	1850	£320,000.00
7	2	C1070	reconstruct	Bonar Bridge	1	Craigton	2500	£225,000.00
	3	A897	overlay	Halladale	1	Trantle more	1200	£79,000.00
84	4	U1878	overlay	Edderton	4	Mudh a Bhlair	2500	£125,000.00
8	5	A835	overlay	Elphin	1	Lurgean to Ledmore	1300	£135,000.00
9	6	A839	surface dressing	Rogart	4	Tressady to Ardachu	2550	£80,000.00
10	7	A839	surface dressing	Lairg	1	Gunns Wood	1000	£20,000.00
	8	A949	kerb & resurface footway	Dornoch	4	Academy - Camore	700	£75,000.00
4	9	A836	edge strengthening	Bonar Bridge	1	Bonar - Ardgay Edge Strengthening	250	£18,750.00
12	10	A949	inlay	Dornoch	4	The Square Layby	40	£1,800.00
13	11	B869	overlay	Drumbeg	1	Drumbeg - Nedd	3500	£140,000.00
104	12	U2117	overlay	Rosehall	1	Glen Cassley	2000	£103,000.00
14	13	A897	overlay	Forsinard	4	Achintoul - Beallach	2000	£120,000.00
15	14	B9167	edge strengthening	Struie	4	Midfearn - High Bridge	1500	£100,000.00
16	15	A949	kerb & resurface footway	Bonar Bridge	4	Dornoch Road	300	£30,000.00
17	16	C1038	surface dressing	Rogart	4	Morness Brae	1000	£10,500.00
19	17	A837	surface dressing	Rosehall	1	Rosehall Brae	1000	£18,000.00
20	18	A897	overlay	Kildonan	4	Kildonan Lodge	600	£33,000.00
21	19	A838	overlay	Achfary	1	Lochmoreside	1200	£79,000.00
22	20	A837	surface dressing	Rosehall	1	Oykel Brae	1000	£13,500.00
23	21	A836	overlay	Lairg	1	Altnagar - Achinduich	1600	£147,000.00
24	22	A838	surface dressing	Tongue	1	Achuvoldrach to Mhoine	5500	£141,000.00
25	23	B873	surface dressing	Altnaharra	1	Altnaharra - Syre	18500	£250,000.00
26	24	A839	kerb & resurface	Rogart	4	Macdonald Place - Garage Footway	300	£30,000.00
27	25	A836	overlay	Lairg	1	Dalchork - North Dalnessie	4400	£450,000.00
28	26	U3326	kerb & resurface	Dornoch	4	Church street Footway	120	£12,000.00
29	27	C1134	overlay	Durness	1	Keoldale Ferry Road	700	£60,000.00
30	28	A837	surface dressing	Ledmore	1	Lyne Straight	1200	£29,700.00
31	29	A839	surface dressing	Rosehall	1	Durcha - War Memorial	1500	£20,250.00
32	30	A836	overlay	Altnaharra	1	Vagastie	650	£57,000.00
33	31	A836	kerb & resurface footway	Bonar Bridge	1	Lairg Road	85	£8,500.00
34	32	B869	overlay	Drumbeg	1	Nedd - Newton	3000	£215,000.00
35	33	U3359	inlay	Dornoch	4	St Gilbert Street	75	£3,500.00
36	34	C1026	surface dressing	Dornoch	4	Station Square - Hilton	1800	£44,550.00
37	35	A838	surface dressing	Tongue	1	Tongue to Achuvoldrach	4000	£102,600.00
38	36	A836	overlay	Tongue	1	Loyal	800	£44,000.00
39	37	A837	surface dressing	Rosehall	1	Linside to War Memorial	6500	£105,300.00
40	38	A897	overlay	Kinbrace	4	Kinbrace North	1300	£71,500.00
41	39	A836	kerb & resurface footway	Lairg	1	Main Street - Lochside Footway	300	£36,000.00
42	40	A838	surface dressing	Lairg	1	West Shinness - Fiag	4500	£60,750.00
43	41	A949	surface dressing	Dornoch	4	Clashmore Village	700	£20,475.00
44	42	C1134	overlay	Durness	1	Balnakeil - Golf Club	880	£52,800.00
45	43	U3064	inlay	Golspie	4	Grant Crescent	120	£12,500.00
46	44	Various	inlay	Embo	4	Village Streets	1800	£126,500.00
47	45	C1078	overlay	Lairg	1	Achnairn	1150	£51,750.00
48	46	U3385	inlay	Dornoch	4	Elizabeth Crescent	250	£21,500.00
49	47	U1879	overlay	Edderton	4	Rhanich	3400	£170,000.00
50	48	A836	surface dressing	Lairg	1	Trampies Cairn - Crask - Vagastie	10500	£101,250.00
51	49	A837	surface dressing	Ledmore	1	Stronchrubie	600	£15,400.00
52	50	A838	surface dressing	Durness	1	Polla - Eriboll	1500	£18,900.00
53	51	U2960	surface dressing	Golspie	4	Ferry Road	4500	£56,700.00
54	52	C1103	overlay	Dornoch	4	Trentham - Skelbo	600	£30,000.00
55	53	A838	surface dressing	Tongue	1	Mhoine to Hope	5500	£141,000.00
56	54	A836	overlay	Edderton	4	Craigroy - Dounie	1500	£137,500.00
57	55	A949 - C1151	inlay	Dornoch	4	Bridge Street & High Street	250	£23,450.00
58	56	A836	overlay	Tongue	1	Staing	1650	£155,000.00
59	57	A839	surface dressing	Lairg	1	Knockdu - Rhaoine	3000	£74,250.00
60	58	A839	inlay	Rogart	4	Rogart Village	1050	£98,500.00
61	59	U3314	surface dressing	Dornoch	4	Cuthill	2000	£25,200.00
62	60	A838	surface dressing	Rhiconich	1	Laxford - Rhiconich	7200	£226,800.00
63	61	C1038	overlay	Rogart	4	West Langwell	2500	£125,000.00
64	62	A836	overlay	Tongue	1	Loch Craggie	600	£55,000.00
65	63	A838	overlay	Achfary	1	Laxford Bridge - Altnasuileig	2400	£176,000.00
66	64	C1034	overlay	Altnaharra	1	Naver Cross Roads - Mudale	4400	£246,400.00
67	65	A838	surface dressing	Tongue	1	Hope to Heilam	3700	£95,000.00
68	66	A836	overlay	Tongue	1	Braetongue	1000	£60,000.00
69	67	U3477	overlay	Dornoch	4	Ospisdale	500	£25,000.00
70	68	C1022	surface dressing	Rogart	4	Sciberscross	1000	£12,600.00
71	69	A837	surface dressing	Lochinver	1	Lochinver - Loch Assynt	9650	£240,000.00
72	70	C1134	inlay	Durness	1	Balnakeil	1200	£140,000.00
73	71	U3284	inlay	Dornoch	4	Camore Crescent	400	£34,500.00
74	72	A836	surface dressing	Ardgay	1	Easter Fearn - Ardchronie	1200	£29,700.00
75	73	A838	overlay	Merkland	1	Corriekinloch - Merkland	4600	£253,000.00
76	74	C1120	surface dressing	Lairg	1	Rhian Breck	700	£9,450.00
77	75	A836	surface dressing	Ardgay	1	Easter Fearn - Ardchronie	1200	£50,000.00
78	76	U3330	inlay	Dornoch	4	Kennedy Avenue	40	£2,600.00
79	77	U3361	inlay	Dornoch	4	Gilchrist Square	60	£5,200.00
80	78	U3373	inlay	Dornoch	4	Deans Lane	25	£2,600.00
81	79	A894	surface dressing	Scourie	1	Kylestrome - Scourie	14000	£350,000.00

82	80	A894	surface dressing	Scourie	1	Scourie Village	2000	£50,000.00
83	81	U5050	inlay	Golspie	4	Lindsay Street	230	£20,000.00
85	82	U1595	inlay	Invershin	1	Inveran Power Station Houses	190	£21,000.00
86	83	C1042	surface dressing	Dornoch	4	Rearquhar Brae	600	£7,550.00
87	84	U3309	surface dressing	Dornoch	4	Achvandra to Skelbo	1000	£12,600.00
88	85	A838	surface dressing	Durness	1	Keodale	600	£9,450.00
89	86	A838	surface dressing	Durness	1	Rispond - Portnancon	1200	£15,120.00
90	87	C1026	overlay	Embo	4	Shore Road	2500	£125,000.00
91	88	U3103	overlay	Golspie	4	Backies Water Treatment -Horn	1200	£56,000.00
92	89	U3328	overlay	Dornoch	4	Golf Road	235	£12,000.00
93	90	C1078	overlay	Lairg	1	Tirryside	1800	£84,000.00
94	91	C1022	surface dressing	Rogart	4	Tannachy - Dalmore	1000	£12,600.00
95	92	A837	surface dressing	Lochinver	1	Lochinver Village	1200	£30,000.00
96	93	U1278	overlay	Durness	1	Cape Wrath	2500	£330,000.00
97	94	U1011	overlay	Elphin	1	Elphin loop	500	£25,750.00
98	95	U1342	surface dressing	Rhiconich	1	Ardmore	2400	£30,000.00
99	96	U1163	surface dressing	Rhiconich	1	Rhivichie	1000	£12,600.00
100	97	A836	surface dressing	Strathy	1	Strathy East	2200	£60,000.00
101	98	C1145	inlay	Dornoch	4	Grange Road	300	£26,000.00
102	99	B871	overlay	Kinbrace	1	Harvieston - Badanloch	5400	£310,000.00
103	100	U1362	overlay	Kinlochbervie	1	Old Pier Road Loch Clash	200	£20,000.00
105	101	U1563	overlay	Skerray	1	Modsarie - Strathan	300	£10,800.00
106	102	U3527	overlay	Spinningdale	4	Council Houses	100	£6,750.00
107	103	C1026	surface dressing	Dornoch	4	Embo Cross Roads - Fourpenny	1000	£9,800.00
108	104	U3311	surface dressing	Dornoch	4	Embo Cross Roads - Embo	1000	£24,750.00
109	105	U1896	overlay	Edderton	4	Rheguile - Garbad	800	£22,400.00
110	106	U1896	overlay	Edderton	4	Rheguile - Leachonich	1000	£28,000.00
111	107	A839	inlay	Lairg	1	Black Bridge	50	£7,500.00
112	108	U1956	inlay	Lairg	1	Lochside	120	£4,860.00
113	109	C1003	surface dressing	Lochinver	1	Inverkirkaig	1500	£14,700.00
114	110	U1741	surface dressing	Melvich	1	Bighouse	600	£5,880.00
115	111	A837	overlay	Ledmore	1	Craggie Cattle Grid - Allt Eileag	4300	£141,900.00
116	112	U2810	overlay	Loth	4	Glen Loth	1600	£48,000.00
117	113	C1049	surface dressing	Dornoch	4	Rearquhar	600	£5,880.00
118	114	u3367	kerb & resurface footway	Dornoch	4	Cathedral Square	120	£7,200.00
119	115	A837	surface dressing	Lochinver	1	Loch Assynt - Skiag Junction	6550	£168,007.50
120	116	A897	surface dressing	Melvich	1	Trantlemore	1000	£9,800.00
121	117	A836	surface dressing	Bettyhill	1	Bettyhill Village	1500	£37,125.00
122	118	C1007	surface dressing	Bettyhill	1	Skerray Loop	2000	£19,600.00
123	119	U1396	overlay	Edderton	4	Ardmore Loop	620	£18,600.00
124	120	U2766	overlay	Loth	4	Crackaig Crofts to Ross Place	1500	£45,000.00
125	121	U3267	overlay	Dornoch	4	Achvaich	1950	£54,600.00
126	122	U2277	overlay	Rogart	4	Eiden	650	£19,500.00
127	123	B871	overlay	Strathnaver	1	Rhifail	400	£14,400.00
128	124	A836	overlay	Strathy	1	Strathy East	300	£10,800.00
129	125	A836	overlay	Ardgay	1	Kincardine - Ardchronie	1500	£82,500.00
130	126	C1049	overlay	Dornoch	4	Rearquhar School - Achvaich x Rds	1200	£36,000.00
131	127	U3521	overlay	Dornoch	4	Torboll	1250	£37,500.00
132	128	U3589	overlay	Ardgay	4	Kincardine Hill East	1100	£33,000.00
133	129	U1262	overlay	Bhlarmore	1	Bhlarmore	300	£10,800.00
134	130	A836	overlay	Borgie	1	Borgie Quarry	50	£5,500.00
135	131	U2943	overlay	Brora	4	Jimmy Gunn's road	110	£2,970.00
136	132	U1678	overlay	Bettyhill	1	Achneiskich	400	£12,960.00
137	133	A836	overlay	Bettyhill	1	Naver Bridge - Strathnaver Junction	2500	£200,000.00
138	134	U1877	overlay	Edderton	4	Garbad & Rheguile	1200	£33,600.00
139	135	U3567	overlay	Ardgay	1	Ardgay Hill - Gledfield	500	£14,000.00
140	136	U2054	overlay	Lairg	1	Water treatment works - Saval	900	£25,200.00
141	137	U3521	edge strengthening	Spinningdale	4	Fairy Glen	1000	£150,000.00
142	138	A949	overlay	Spinningdale	1	Creich Brae - Cemetery	1300	£93,600.00
143	139	A949	surface dressing	Bonar Bridge	1	Creich Cemetery - Bonar	3200	£86,400.00
144	140	A836	surface dressing	Bonar Bridge	1	Balblair Straight	3600	£121,500.00
145	141	A836	surface dressing	Lairg	1	Achiduich - Lairg Station	4100	£138,375.00
146	142	A839	surface dressing	Lairg	1	Rhaoine - Tomich	4700	£116,325.00
147	143	A839	surface dressing	Rosehall	1	The Lochies - Durcha	3000	£40,500.00
148	144		kerb & resurface footway	Dornoch	4	Schoolhill	120	£7,200.00
149	145		inlay	Golspie	4	Ben Bhraggie Drive	380	£26,125.00