

## The Highland Council

Sutherland County Committee – 22 February 2017

Agenda Item	8.
Report No	SCC/03/17

### Road Structural Maintenance Report 2017/18

#### Report by Director of Community Services

#### Summary

This report invites Members to approve the prioritised Structural Maintenance Programmes for Roads for the Sutherland Area for 2017/18 and 2018/19.

#### 1. Background

- 1.1 This report sets out a prioritised list of structural maintenance works for the Sutherland Area up to a value of £2.7M as shown in Appendix 1.
- 1.2 The annual budget for structural maintenance works has been in the order of £750k which means the current list could constitute 4 years of work.
- 1.3 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 Local Committee agreement.
- 1.4 This will be a working document subject to change as priorities change due to budget pressures or accelerated deterioration of roads. Any changes will be discussed and approved at Ward Business Meetings as required.

#### 2. Budget Allocation

- 2.1 Road Maintenance budgets are normally allocated under the following headings:-
  - **Winter Maintenance (Revenue)**
  - **Cyclic Maintenance(Revenue)** including:-
    - Drainage
    - Footpath Maintenance
    - Gully Cleansing
    - 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

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

### **3. Road Structural Maintenance Programmes**

3.1 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.

3.2 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.

3.3 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.

3.4 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.

3.5 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.

3.6 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.

- 3.7 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.
- 3.8 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.
- 3.9 The programmes are prepared over the winter months and are finalised in the spring to allow for additional damage due to freeze thaw cycle. The programmes reflect both the strategic network and the importance attached to local roads by rural communities.
- 3.10 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.

#### **4. Implications**

- 4.1 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.
- 4.2 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.
- 4.3 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 prioritised programme of Maintenance for Roads for the Sutherland Local Committee Area commencing in 2017/18 and approve the proposal for changes to be agreed at Ward Business Meetings.

Designation: Director of Community services

Date: 7 February 2017

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## Appendix 1

Priority	Route	Locality	Site Description	Length	Works Type	Cost	Running Total
1	A838	Lairg	West Shinness	1000	Recycle	£37,125	£37,125
2	U3477	Dornoch	Ospisdale	500	Overlay	£18,750	£55,875
3		Brora	Muirfield	550	Inlay	£45,375	£101,250
4		Dornoch	Camore Crescent	300	Inlay	£24,750	£126,000
5	A838	Polla	Fualin	3000	Overlay	£135,000	£261,000
6	A836	Meikle Ferry	Meikle Ferry to Redburn	2000	S/Dressing	£30,000	£291,000
7	A894	Duartmore	Duartmore	500	Overlay	£45,000	£336,000
8	A837	Rosehall	Linside - Invernauld	800	Overlay	£36,000	£372,000
9	A837	Ledmore	Stronchrubie	800	Overlay	£80,850	£452,850
10	C1030	Brora	Harbour Road	350	Inlay	£28,875	£481,725
11	U1274	Keodale	Keodale	900	S/Dressing	£6,750	£488,475
12		Embo	Embo to Crossroads	600	Inlay	£49,500	£537,975
13	A838	Rispond	Rispond to Portnacon	5000	S/Dressing	£37,500	£575,475

14	A836	Bonar Bridge	Bonar - Ardgay Edge Strengthening	250	Patching	£18,750	£594,225
15	A836	Easter Fearn	Struie Junction to Easter Fearn	1200	S/Dressing	£18,000	£612,225
16	A839	Gunns Wood	2016 resurface	1000	S/Dressing	£14,000	£626,225
17	A837	Rosehall Brae	2016 resurface	1000	S/Dressing	£11,250	£637,475
18	B873	Grumbeg		500	S/Dressing	£3,750	£641,225
19	B873	Ceann na Coille		500	Overlay	£28,125	£669,350
20		Golspie	Sawmill to Car park	450	Overlay	£20,250	£689,600
21	A836	Ardgay	Easter Fearn	600	Overlay	£54,450	£744,050
22	U1807	Bighouse		1800	S/Dressing	£12,600	£756,650
23	U1163	Achlyness		500	Overlay	£20,625	£777,275
24	U2960	Ferry Road		4500	S/Dressing	£31,500	£808,775
25	C1134	Balnakeil		2000	S/Dressing	£15,000	£823,775
26	U1290	Smoo Road		400	S/Dressing	£2,800	£826,575
27	C1038	Rogart	West Langwell	2500	Overlay	£93,750	£920,325
28		Stoer	Culkein Loop	2000	Recycle	£74,250	£994,575
29	U1342	Ardmore		2000	S/Dressing	£13,500	£1,008,075

30		Cuthill		3000	S/Dressing	£21,000	£1,029,075
31	U1362	Old Pier Road		200	Overlay	£7,875	£1,036,950
32	C1070	Spinningdale	Fairy Glen	500	Overlay	£21,263	£1,058,213
33	U1007	Elphin	Elphin Loop Road	475	Overlay	£21,161	£1,079,374
34	A837	Oykel Brae		1000	S/Dressing	£7,000	£1,086,374
35	A836	Stanke		300	Overlay	£12,375	£1,098,749
36	B873	Syre	Syre junction south	200	Overlay	£8,250	£1,106,999
37	U2766	Loth	Whitehill / Ross Place	700	Overlay	£31,500	£1,138,499
38		Lairg	Achnairn	1000	Recycle	£37,125	£1,175,624
39	U1682	Clerkhill		800	S/Dressing	£5,400	£1,181,024
40	U1007	Skerray Loop		2000	S/Dressing	£14,000	£1,195,024
41		Skelbo		1550	S/Dressing	£10,850	£1,205,874
42	A897	Kildonan	Kildonan Lodge	300	Overlay	£20,250	£1,226,124
43	A836	Lairg	Dalchork - North Dalnessie	1500	Overlay	£70,875	£1,296,999
44	A836	Armadales to Brawl		1500	S/Dressing	£20,625	£1,317,624
45	U1796	Strathy West		800	S/Dressing	£5,600	£1,323,224
46	A836	Trampies Cairn - Little Bridges		3200	S/Dressing	£24,000	£1,347,224

47	U1878	Edderton	Mudh a Blair	750	Overlay	£28,125	£1,375,349
48	U1396	Edderton	Ardmore Loop	300	Overlay	£11,250	£1,386,599
49	A837	Rosehall	War Memorial to Linside	6500	S/Dressing	£56,875	£1,443,474
50	U1753	Strathy East		400	Overlay	£15,000	£1,458,474
51	A897	Forsinard		2000	Overlay	£75,000	£1,533,474
52	A949	Spinningdale	Oakwood Edge Strengthening	400	Patching	£30,000	£1,563,474
53	A837	Ledmore	Craggie Cattle Grid - Loch Craggie	1000	Overlay	£47,250	£1,610,724
54	U3064	Golspie	Grant Crescent	100	Inlay	£8,250	£1,618,974
55	A836	Borgie Quarry		50	Overlay	£3,609	£1,622,583
56	A835	Elphin	Ledmore - Luirgean	800	Overlay	£80,850	£1,703,433
57		The Mound	Torboll	500	Overlay	£18,750	£1,722,183
58		The Mound	Torboll	750	Overlay	£28,125	£1,750,308
59	B869	Drumbeg	Drumbeg - Nedd	5000	Recycle	£185,625	£1,935,933
60	U1777	Bettyhill		200	Overlay	£6,750	£1,942,683
61	U1827	Bettyhill		200	S/Dressing	£1,350	£1,944,033
62	A839	Rhaoine - Riemarstaig		2000	S/Dressing	£28,000	£1,972,033

63	U3353	Dornoch	Cromartie Road		Inlay	£17,250	£1,989,283
64	A836	Altnaharra	South of Altnaharra	600	Overlay	£28,350	£2,017,633
65	C1003	Inverkirkaig	Either side of the bridge	2000	S/Dressing	£13,500	£2,031,133
66	C1145	Dornoch	Stafford Road	400	Inlay	£33,000	£2,064,133
67	A836	Loyal		4000	Overlay	£200,000	£2,264,133
68	B871	Rhifail		400	Overlay	£15,000	£2,279,133
69		Dornoch - Embo	2016 Surfacing	1200	S/Dressing	£18,000	£2,297,133
70	U5050	Golspie	Lindsay Street	180	Inlay	£14,850	£2,311,983
71	U3359	Dornoch	St Gilbert Street	120	Inlay	£11,016	£2,322,999
72	U1595	Invershin	Invershin Houses	100	Inlay	£12,000	£2,334,999
73	A836	Braetongue		1000	Overlay	£37,500	£2,372,499
74	B873	1 mile east of junction		200	Overlay	£7,500	£2,379,999
75		Ardgay	Kincardine Hill	500	Overlay	£20,250	£2,400,249
76	C1151	Dornoch	High Street	120	Inlay	£13,500	£2,413,749
77	C1113	Trantlemore		3000	S/Dressing	£20,250	£2,433,999
78		Embo	Shore Road	800	Overlay	£30,000	£2,463,999
79	A836	Lairg	Altnagar - Achinduich	1000	Overlay	£82,500	£2,546,499



80	U2943	Brora	Jimmy Gunns West Clyne	100	Overlay	£3,750	£2,550,249
81	A836	Bhlarmore		300	Overlay	£11,250	£2,561,499
82		Loth	Glen Loth	700	Overlay	£31,500	£2,592,999
83	A897	Kinbrace	Kinbrace North	1000	Overlay	£37,500	£2,630,499
84	U2277	Rogart	Eiden	500	Overlay	£18,750	£2,649,249
85	C1563	Modsarie - Strathan		300	Overlay	£11,250	£2,660,499
86		Spinningdale	Council Houses	100	Overlay	£3,750	£2,664,249
87		Bonar Bridge	Craigton	1000	Recycle	£37,125	£2,701,374