

**The Highland Council**  
**Caithness Committee – 14 February 2017**

Agenda Item	<b>6.</b>
Report No	<b>CC/04/17</b>

**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 Caithness Area for 2017/18 and 2018/19.

**1. Background**

- 1.1 This report sets out a prioritised list of structural maintenance works for the Caithness Area up to a value of £1.572M as attached at 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 2 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 The programme is a working document but any changes will be ratified at Ward Business Meetings prior to being implemented.

**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
- 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
- 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 rolling programme of Maintenance for Roads for the Caithness Local Committee Area commencing in 2017/18 with any enforced changes being ratified at Ward Business Meetings.

Designation: Director of Community services

Date: 23 January 2017

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Ward	Priority	Activity	General Description	Average Road Width (m)	Scheme Length (m)	Total Area (m <sup>2</sup> )	cost per (m <sup>2</sup> )	Cost to Lay	Cost of Drainage and White Lining	Total Scheme Cost	Running Total
1	1	Inlay	A836 Reay School	5.5	95	522.5	25	13,062.50	0.00	13,062.50	13,062.50
4	2	Inlay	U1865 Braal Terrace	3	50	150	25	3,750.00	0.00	3,750.00	16,812.50
4	3	Overlay	U1241 Newton Row @Alan Ross'	3	240	720	15	10,800.00	0.00	10,800.00	27,612.50
3	4	Inlay	C1041 Wick Staxigoe Rd @Staxigoe Hrbr	6	40	240	25	6,000.00	0.00	6,000.00	33,612.50
3	5	Overlay	U3618 Newton Road At Whitebridge	4.5	60	270	15	4,050.00	0.00	4,050.00	37,662.50
4	6	Surface Dress	U2196 Sordale To Hilliclay Road Surface Dress	3	2620	7860	3	23,580.00	0.00	23,580.00	61,242.50
2	7	Sd Patching	B874 Ormlie Rd Thurso	1.2	100	120	25	3,000.00	0.00	3,000.00	64,242.50
2	8	Sd Patching	U4209 Sinclair St St Johns Square Jct	1.2	50	60	25	1,500.00	0.00	1,500.00	65,742.50
4	9	Overlay	U2196 Sordale To Hilliclay Road Overlay	3	1000	3000	15	45,000.00	0.00	45,000.00	110,742.50
4	10	Surface Dress	C1069 Poolhoy Wester Rd Durran Ha Towards Hoy Farm	3	350	1050	3	3,150.00	0.00	3,150.00	113,892.50
4	11	Overlay	C1069 Poolhoy To Wester Rd Tister Farm	3	200	600	15	9,000.00	0.00	9,000.00	122,892.50
4	12	Overlay	C1006 Wester Bridge To Greenland @ Reaster Farm	3	1160	3480	15	52,200.00	0.00	52,200.00	175,092.50
4	13	Inlay	U2348 Churchill Road Castletown Police Station	5	50	250	25	6,250.00	0.00	6,250.00	181,342.50
4	14	Surface Dress	U1113 Achow Oslay Whole Road	3	3700	11100	3	33,300.00	0.00	33,300.00	214,642.50
4	15	Surface Dress	U1300 Gersa Halcro Ruther To Third Part	3	1500	4500	3	13,500.00	0.00	13,500.00	228,142.50
4	16	Surface Dress	C1025 Thurso To Bishiphill Rd From Weydale Jct To Fryster	3	2070	6210	3	18,630.00	0.00	18,630.00	246,772.50
4	17	Surface Dress	U1823 Westerdale Lochmore	3	5600	16,800	3	50,400.00	0.00	50,400.00	297,172.50
4	18	Surface Dress	C1021 Balnabruich Braemore	3	6800	20,400	3	61,200.00	0.00	61,200.00	358,372.50
4	19	Surface Dress	C1018 Halkirk Shop To Level C	6.5	1060	6890	3	20,670.00	0.00	20,670.00	379,042.50
4	20	Overlay	C1033 Everley Crockster Toll Rd @ Phillip Mains	3	640	1920	15	28,800.00	0.00	28,800.00	407,842.50
4	21	Overlay	U1557 Freswick Skirza Rd Jct	3	130	390	15	5,850.00	0.00	5,850.00	413,692.50
4	22	Overlay	U1300 Halcro To Faulds Rd At Bower Jct	3	190	570	15	8,550.00	0.00	8,550.00	422,242.50
4	23	Overlay	U1557 Freswick Skirza Rd Near The End Of The Road	3	190	570	15	8,550.00	0.00	8,550.00	430,792.50
4	24	Overlay	C1247 Whitebridge Scarfskerry Mey Rd @ Harrow Hrbr	3	670	2010	15	30,150.00	0.00	30,150.00	460,942.50
4	25	Surface Dress	U1157 Lybster Parkside Rd Whole Rd	3	1650	4950	3	14,850.00	0.00	14,850.00	475,792.50
4	26	Surface Dress	C1029 Occumster Watten Camster To Watten	3	6000	18000	3	54,000.00	0.00	54,000.00	529,792.50
4	27	Surface Dress	U1178 Torreviach Newlands Whole Rd	3	2000	6000	3	18,000.00	0.00	18,000.00	547,792.50
4	28	Surface Dress	U1161 Hillhead Whole Road	3	370	1110	3	3,330.00	0.00	3,330.00	551,122.50
4	29	Surface Dress	U1210 Brickigoe Rd	3	2600	7800	3	23,400.00	0.00	23,400.00	574,522.50
4	30	Sd Patching	U2322 Traill St Patching	1.2	100	120	15	1,800.00	1,200.00	3,000.00	577,522.50
4	31	Sd Patching	U1755 Bower To Gillock Rd Hall To Bradsterdorrn	3	690	2070	15	31,050.00	8,280.00	39,330.00	616,852.50