

Agenda Item	<b>10.</b>
Report No	<b>CC/12/21</b>

## THE HIGHLAND COUNCIL

**Committee:** Caithness Committee

**Date:** 22 April 2021

**Report Title:** Road Structural Maintenance 2021/2022

**Report By:** Executive Chief Officer Infrastructure and 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 approve the proposed prioritised 2021/22 Roads Maintenance Programme for Caithness 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 4 February 2021. (Item 9, Report [ECI/6/21](#) ). This year, 2021/22, it is £17.2M.
- 4.2 The current Revenue Budget allocation for Caithness is £1,268,994 which is primarily required to cover our Labour, Plant, Materials for cyclical maintenance and Salt required for Winter Maintenance for the 2021/22 season.
- 4.3 The current Capital Budget allocation for Caithness is £1,202,581. It is proposed that this is used to undertake structural overlay/inlay works and surface dressing schemes. The proposed priorities for 2121/2022 are in **Appendix 1**.
- 4.4 The Ward Allocation of £100k per Ward has been included in the Capital Budget allocation and the prioritised list includes the Ward location information. It is therefore important that Members are given the opportunity to review and agree the revised prioritised programme in **Appendix 1**.
- 4.5 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.

6.3 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

6.4 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.

6.5 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 overview and then closer inspection at a smaller scale. Small scale prints can be produced for specific sites.

6.6 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.

6.7 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.

6.8 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.

6.9 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: 25 March 2021

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Caithness & Sutherland

**APPENDIX 1**

<b>Area</b>	<b>Priority</b>	<b>Activity</b>	<b>Route</b>	<b>General Description</b>	<b>Average Road Width (m)</b>	<b>Scheme Length (m)</b>	<b>Cost to Lay</b>
Caithness	1	inlay	A882	Stirkoke farm road to Haster Junction	6	750	£81,000.00
Caithness	1	Inlay	A882	Larel to Clayock	3	530	£28,620.00
Caithness	1	inlay	B876	Bower to Granton Mains	2	250	£9,000.00
Caithness	1	inlay	A882	Oldhall to West Watten	1.2	2500	£54,000.00
Caithness	1	Overlay	A836	Haygarth to St john loch	5.6	1650	£138,600.00
Caithness	1	inlay	B870	Banks Road Junction	7	120	£15,120.00
Caithness	1	overlay	U1871	Halkirk Plocan road Gerston to Sour Hill	3	670	£30,150.00
Caithness	1	Overlay	c1010	Crossroads primary school	4	780	£46,800.00
Caithness	1	Overlay	B870	Achscrabster	3	950	£42,750.00
Caithness	1	inlay	B876	Killimster schoolhouse to west of Killimster mains	1.2	700	£15,120.00
Caithness	1	inlay	A99	Reiss junction to lower Reiss	6	400	£43,200.00
Caithness	1	inlay	C1093	Keiss harbour road from jct to hall	6	120	£12,960.00
Caithness	1	screed	B874	Ormile road (tack coat and 6mm screed)	7	500	£10,500.00
Caithness	1	screed	U4313	Provost Cormack Drive Thurso	7.5	540	£12,150.00
Caithness	1	overlay	C1001	East of west field bridge	6	700	£63,000.00
Caithness	1	overlay	B874	Watten mains to Lochshell, Winless farm	3.5	110	£5,775.00
Caithness	1	overlay	B874	Watten mains to Lochshell, no7 sibster farm	4	315	£18,900.00
Caithness	1	overlay	B874	Watten mains to Lochshell, no4 sibster farm	4.5	425	£28,687.50
Caithness	1	overlay	C1057	Haster to thrumster swartigill burn to thrumster mains	3	870	£39,150.00
Caithness	1	surface dress	U2196	Sordale to hilliclay road overlay	3	1000	£9,000.00
Caithness	1	surface dress	A836	BT business park	6	670	£12,060.00
Caithness	1	surface dress	U2144	Hill of Forss	3	310	£2,790.00
Caithness	1	surface dress	U2110	Lythmore Road at Lythmore Strath	3	220	£1,980.00
Caithness	1	surface dress	A99	Freswick	6	1300	£23,400.00

Area	Priority	Activity	Route	General Description	Average Road Width (m)	Scheme Length (m)	Cost to Lay
Caithness	1	inlay	C1018	Bridge St Halkirk over level crossing to Houstry	5	1400	£126,000.00
Caithness	1	surface dress	B874	Buckies to Aimster	5	1300	£19,500.00
Caithness	1	surface dress	A836	Canisbay cem to bridge at Lower Warse	6	730	£13,140.00
Caithness	1	surface dress	A836	Warse farm road to road to Upper Gills	6	1500	£27,000.00
Caithness	1	surface dress	C1001	Isauld Glengolly Rd, Shebster to Westfield	5	2850	£42,750.00
Caithness	1	surface dress	A99	Lyth jct to South of Keiss	5	2500	£37,500.00
Caithness	1	Inlay	A882	Watten shop to Bridge	6	350	£37,800.00
Caithness	1	inlay	A882	Bilbster bends	3	100	£5,400.00
Caithness	1	surface dress	B876	Bower to Granton Mains	6	600	£10,800.00
Caithness	1	Overlay	U1913	Loch Calder	3	1200	£54,000.00
Caithness	1	Overlay	C1065	Braehungie latheronwheel at Boultach	3	1250	£56,250.00
Caithness	1	overlay	U1826	Harpsdale township road	3.5	3000	£157,500.00
Caithness	1	Overlay	U1093	Burigill loop west side	3	460	£20,700.00
Caithness	1	Overlay	U1097	Mains of Forse	3	420	£18,900.00
Caithness	1	surface dress	B874	Hoy Gillock road hoy jct to knockdee	3.5	1400	£14,700.00
Caithness	1	surface dress	B874	Hoy Gillock to Corsback jct	3.5	430	£4,515.00
Caithness	1	surface dress	U2052	Forss Achreamie road Skaill to Forss jct	3	2451	£22,059.00
Caithness	1	surface dress	U2502	Shebster Achreamie road at Achreamie jct	3	167	£1,503.00
Caithness	1	surface dress	U2066	Buldoo achreamie road	3	1700	£15,300.00
Caithness	1	overlay	A836	Reay Thurso road Forss hotel	6.5	112	£10,920.00
Caithness	1	Overlay	U1300	Halcro to Faulds rd at bower jct	3	190	£8,550.00
Caithness	1	overlay	U1316	Myrelandhorn Quoybrae road	3	150	£6,750.00
Caithness	1	overlay	U1113	Achow Osclay road 300m at top of Hill and Bulreanrob	3	300	£13,500.00
Caithness	1	overlay	U2052	Forss Achreamie Shebster road	3	200	£9,000.00
Caithness	1	overlay	B874	Lochshell Watten mains rd, Watten Mains to Knapperfield	3	1600	£72,000.00
Caithness	1	overlay	U1727	Reaster Bowermadden road auchorn to murza 2 bits	3	180	£8,100.00
Caithness	1	patching	A836	Mey village small patch at "hawthorn house"	1	40	£1,000.00
Caithness	1	inlay	U1865	Braal Terrace	3	200	£9,000.00

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Caithness	1	overlay	C1069	Poolhoy to Wester Oilrig @ tister bends	3	600	£27,000.00
Caithness	1	Overlay	U1755	Bower to Gillock rd hall to Bradsterdorrان	3	690	£31,050.00
Caithness	2	Overlay	C1033	Everley Crockster toll rd @ phillip mains	3	100	£4,500.00
Caithness	2	surface dress	U4057	Heathfield	6	350	£6,300.00
Caithness	2	surface dress	U4038	George Crescent/ U4007 Clearance st	6	185	£3,330.00
Caithness	2	surface dress	U1360	Reiss Sibster road a99 jct to 30mph signs	5	500	£7,500.00
Caithness	2	surface dress	U4119	Pennyland Drive	6	1080	£19,440.00
Caithness	2	surface dress	U5493	Orkney View	6	370	£6,660.00
Caithness	2	surface dress	U5492	Murkle View	6	220	£3,960.00
Caithness	2	surface dress	U3547	Henrietta St	7.5	440	£9,900.00
Caithness	2	overlay	C1021	Balnabruich Braemore	3	1767	£79,515.00
Caithness	2	overlay	B870	Frameside	3	1100	£49,500.00
Caithness	2	Overlay	B874	Lower Gillock to Lochshell	4.5	1100	£74,250.00
Caithness	2	overlay	C1048	Castletown Durran Mains road at Durran Mains	3.5	640	£33,600.00
Caithness	2	surface dress	C1025	Sordale Bishopshill at Bishopshill jct	3	230	£2,070.00
Caithness	2	surface dress	C1069	Poolhoy Wester Orlig rd Durran Mains to Hoy Farm	3	1090	£9,810.00
Caithness	2	surface dress	U1113	Achow Ssclay whole road	3	3700	£33,300.00
Caithness	2	surface dress	U1109	Achcastle shore road	3	854	£7,686.00
Caithness	2	surface dress	U2110	Lythmore road jct to just over bridge	3	706	£6,354.00
Caithness	2	surface dress	U1629	Mey foreshore east jct to highmeat house	3	1060	£9,540.00
Caithness	2	surface dress	U1629	Mey foreshore west jct to sharp bend	3	1200	£10,800.00
Caithness	2	surface dress	U1633	Mey Rigifa Whole Road	3	755	£6,795.00
Caithness	2	overlay	U1241	Newton Row	3	1006	£45,270.00
Caithness	2	patching	U2245	Murrayfield rd patching	1.2	100	£3,000.00
Caithness	2	patching	C1018	Bridge St Halkirk several patches	1	100	£2,500.00
Caithness	2	inlay	B874	Ormlie road from Castlegreen Road to college, (patches)	1.2	674	£14,558.40
Caithness	2	patching	C1045	Main St Lybster various small patches	1	100	£2,500.00
Caithness	2	patching	B874	Hoy to Watten Mains Rd	1.2	100	£3,000.00

Area	Priority	Activity	Route	General Description	Average Road Width (m)	Scheme Length (m)	Cost to Lay
Caithness	2	overlay	B870	Calder	3	440	£19,800.00
Caithness	2	overlay	C1069	Poolhoy Wester olrig rd @ east of Durran mains	3	84	£3,780.00
Caithness	2	overlay	C1069	Poolhoy Wester olrig rd @ west of Durran mains	3	124	£5,580.00
Caithness	2	overlay	U2893	Instack road	3	905	£40,725.00
Caithness	2	overlay	U1917	Brawlbin to Shurrery at Brawlbin Farm	3	1500	£67,500.00
Caithness	2	overlay	A836	Dunnet Beach	6.4	520	£49,920.00
Caithness	3	surface dress	U4209	Sinclair St 6m up the centre	6	230	£4,140.00
Caithness	3	surface dress	U1656	Scarfskerry jct to old church (melvich chip)	3	1520	£13,680.00
Caithness	3	surface dress	U1408	Keiss beach whole road	3	580	£5,220.00
Caithness	3	surface dress	U1434	South St Keiss whole road	5	365	£5,475.00
Caithness	3	surface dress	U1913	Plocan Brawlbin road Plocan jct	3	1140	£10,260.00
Caithness	3	surface dress	U4084	Mayfield road whole road	6	230	£4,140.00
Caithness	3	surface dress	U4391	Burnett Place thurso whole road	6	275	£4,950.00
Caithness	3	surface dress	U2411	Mansville Road (clyth)	3	742	£6,678.00
Caithness	3	surface dress	U1656	Hill Of Rattar Below Farm To Scarfskerry Jct	3	870	£7,830.00
Caithness	3	surface dress	C1033	Everley Crockster Toll Rd From Phillips Mains To Lyth Jct	3	2100	£18,900.00
Caithness	3	surface dress	C1033	Canisbay Memorial To Tresdale	3	770	£6,930.00
Caithness	3	surface dress	U1609	Seater Canisaby Hill Of Warse Whole Road	5	1700	£25,500.00
Caithness	3	surface dress	C1033	Everley Crockster Toll Rd From Christian Hill To A99 Jct	3	2000	£18,000.00
Caithness	3	overlay	U1384	Ruthers of Howe top leg of road	3	176	£7,920.00
Caithness	3	overlay	U3783	Norton Place	4	34	£2,040.00
Caithness	3	patching	C1041	Wick staxigoe nursing home to anderson drive	3	20	£1,500.00
Caithness	3	patching	U3547	Henrietta St Wick various small patches	1	40	£1,000.00
Caithness	3	patching	B9159	Harbour Quay various small patches	1	30	£750.00
Caithness	3	patching	C1073	Harbour terrace jct with breadalbane terrace	7	20	£3,500.00
Caithness	3	patching	U3805	Union st Wick various small patches	1	40	£1,000.00
Caithness	3	patching	U3583	Loch st Wick various small patches	1	50	£1,250.00
Caithness	3	patching	C0173	Northcote st Wick various small patches	1	60	£1,500.00

Area	Priority	Activity	Route	General Description	Average Road Width (m)	Scheme Length (m)	Cost to Lay
Caithness	3	patching	U3668	Lindsay Drive	1.2	50	£1,500.00
Caithness	3	inlay	U3632	River St Wick roundabout to flower shop	7.5	280	£37,800.00
Caithness	3	overlay	U1731	Lochside Hunster Road @ above Granton Mains	3	377	£16,965.00
Caithness	3	Overlay	C1247	Whitebridge Scarfiskerry Mey Rd @ Harrow hrbr	3	670	£30,150.00
Caithness	3	overlay	A99	Keiss Mains towards dogs nose	6	350	£31,500.00
Caithness	3	inlay	C1001	Waterplant houses	1.2	53	£1,144.80
Caithness	3	overlay	U1727	Reaster Bowermadden road Hunster to Hartfield	3	100	£4,500.00
Caithness	3	inlay	A836	Shebster jct	6	105	£11,340.00
Caithness	3	overlay	U1360	Reiss Sibster road at Harland farm	3	220	£9,900.00
Caithness	3	inlay	U4115	Park Avenue Thurso no 27-35 patch	2	46	£1,656.00
Caithness	3	inlay	C1001	Bardnaclavan	1.2	220	£6,600.00
Caithness	3	inlay	C1001	Janetstown	1.2	266	£7,980.00
Caithness	3	overlay	C1033	Greenland Rigifa road Instack Brae	3	608	£27,360.00
Caithness	3	Overlay	U1823	Westerdale Lochmore	3	3000	£135,000.00
Caithness	3	Overlay	B876	Riess Castletown @ Greenland jct	3	290	£13,050.00
Caithness	3	overlay	U3785	Wick Cemetery Road	7.5	177	£19,912.50
Caithness	3	Overlay	U1063	Latheronwheel Houstry	3	3400	£153,000.00
Caithness	3	surface dress	U1656	Hill of Rattar below farm to Scarfiskerry jct	3	870	£7,830.00
Caithness	3	surface dress	U1633	Mey Rigifa whole road	3	755	£6,795.00
Caithness	3	surface dress	c1033	Everley Crockster Toll rd from Phillips Mains to Lyth jct	3	2100	£18,900.00
Caithness	3	surface dress	c1033	Canisbay memorial to Tresdale	3	770	£6,930.00
Caithness	3	surface dress	U1609	Seater Canisaby Hill of Warse whole road	5	1700	£25,500.00
Caithness	3	surface dress	C1033	Everley Crockster Toll Rd from Christian Hill to A99 jct	3	2000	£18,000.00
Caithness	3	sd patching	c1001	Janetstown	1.2	250	£7,500.00
Caithness	3	sd patching	c1001	Bardnaclavan	1.2	220	£6,600.00
Caithness	3	sd patching	c1001	Waterplant houses	1.2	53	£1,590.00
Caithness	3	overlay	u2440	Moss Head Rd	3	600	£27,000.00
Caithness	3	edge patching	A99	Wick John O'Groats at Freswick hill	1.2	400	£12,000.00



<b>Area</b>	<b>Priority</b>	<b>Activity</b>	<b>Route</b>	<b>General Description</b>	<b>Average Road Width (m)</b>	<b>Scheme Length (m)</b>	<b>Cost to Lay</b>
Caithness	3	sd patching	b870	Mybster Watten	1.2	200	£6,000.00
Caithness	3	sd patching	a836	Thurso to Reay	1.2	300	£9,000.00
Caithness	3	sd patching	c1025	Mountpleasant Brae	1.2	100	£3,000.00
Caithness	3	overlay	C1029	C1029 Occumster Watten @ Camster forest	3	1000	£45,000.00