

HIGHLAND COUNCIL

Committee: Skye Committee

Date: 3 June 2019

Report Title: 2018/19 Area Structures Progress Report

Report By: Director of Community Services

1 Purpose/Executive Summary

- 1.1 This report provides an update on the work undertaken on the Area Structures Programme for 2018/19 financial year.

2 Recommendations

- 2.1 Members are asked to note the contents of the report.

3 Structures Assets

- 3.1 In Skye there are 361 bridges, 89 culverts and 199 retaining walls that are on adopted roads.

4 Finance

- 4.1 Structures maintenance and repairs are funded from Skye's Area Revenue Budget.

The 2018/19 structures budget was set at £42,600.

At the end of February 2019 £21.806, or 51%, of the budget has been spent.

The resources available in 2018/19 for undertaking routine maintenance on bridges were diverted to pothole repairs.

5 Bridge Inspection Programme

- 5.1 All bridges receive General and Principal Inspections. General Inspections are undertaken on a risk-based inspection cycle of either two or three years as approved at the November 2018 EDI Committee. The risk-based inspection intervals are dependent on condition, exposure and risk of deterioration as set out in the guidance issued by the Society of Chief Officers of Transportation in Scotland.

Principal Inspections are undertaken at 6, 9, or 12 year intervals.

An inspection programme for all other structures such as retaining walls is being prepared based on a three yearly cycle of inspections. This inspection programme will be implemented in phases from 2019/20.

- 5.2 Bridge General Inspections are undertaken by Area staff. Area staff and duties are as follows:

Road Operations Manager based in Dingwall:-

- Responsible for ensuring the General Inspections are undertaken
- Approving design work
- Award of contract for any works externally sourced
- Compliance with Quality Assurance procedures

Senior Engineer based in Portree:-

- Approving design work
- Award of contract for any works externally sourced
- Compliance with Quality Assurance procedures

Bridge Technician based in Dingwall:-

- Ensuring all General Inspections are undertaken in accordance with the programme
- Compiling a list of all works to be undertaken
- Designing and supervising minor repairs and maintenance works

The following staff assist the Bridge Technician as required:-

- Senior Technician based in Dingwall
- Technician based in Ardelve Depot
- Roads Inspector based in Ardelve Depot

5.3 2018/19 Bridge General Inspection Programme

With the exception of a limited number of inspections, the 2018/19 General Inspection Programme was started in January 2019 following the appointment of the Bridge Technician.

A total of 27 bridges were identified for the 2018/19 General Inspection Programme. At the end of March 2019, 22 bridges had been inspected, which represents 81% completion.

A further 2 bridges had been inspected on a visit to Skye in late April 2019, bringing the figures to 24 inspected or 89% completion. The final 3 bridges will be inspected during the 2019/20 General Inspection programme.

The bridges included in the 2018/19 programme are listed in **Appendix A: 2018/19 General Inspection Programme**.

5.4 2018/19 Principal Inspection Programme

Principal Bridge Inspections are undertaken on bridges with greater than 5m spans by the Development and Infrastructure Structures Team based in Alness.

At the end of March 2019 5 bridges and 5 large retaining walls had been inspected out of a total of 10 structures. This represent 100% completion of the Principal Inspection Programme.

The bridges inspected are listed in **Appendix B**.

5.5 2018/19 Bridge Maintenance Programme

The following repairs were undertaken in 2018/19:-

- B884 Brunigill Burn Bridge
- B884 Allt na Luideach Culvert

Several repairs were undertaken on these structures following vehicle strikes.

5.6 2019/20 Bridge Maintenance Programme

Following the 2018/19 General & Principal Inspection Programmes a master list of all defects is currently being compiled.

The master list will be used to identify works by similar type or by location to enable efficient repairs to be undertaken by the DLO. Each defect recorded is costed and prioritised to ensure effective works are undertaken. Outstanding or deferred works can also be tracked to ensure a comprehensive works programme for future years.

6. Implications

- 6.1 Resource – No implications.
- 6.2 Legal - Under the Roads (Scotland) Act 1984 there is a duty to inspect and maintain bridges and other structures associated with roads.
- 6.3 Community (Equality, Poverty and Rural) – No implications.
- 6.4 Climate Change / Carbon Clever – No implications.
- 6.5 Risk – No implications.
- 6.6 Gaelic – No implications.

Designation: Director of Community Services

Date: 17 April 2019

Author: Iain Moncrieff, Road Operations Manager (Skye, Ross & Cromarty)

Appendix A

2018/19 Area Structures Progress Report 2018/19 General Inspection Programme

Structure Ref	Name	Status	Date	Comments
5 - 7.5m span				
B08860010	ALLT NAM MAIGHDEAN	Pending		Deferred to 19/20 programme
C12210010	DUIRINISH	Complete	11-Apr-19	
C12230110	RARSAIDH	Complete	26-Mar-19	
C12240020	BERNERA	Complete	26-Mar-19	
C12250010	EASAIN	Pending		Deferred to 19/20 programme
C12320010	BALMACARA	Complete	Unknown	
C12340010	ALLT DUGHAIL	Complete	30-April-19	
C12410010	LON CREADHA	Complete	Unknown	
C12420020	GILLEAN	Complete	29-April-19	
U47920010	WATERLOO ROAD	Complete	Unknown	
U48270020	GLENUACHDARACH	Pending		Deferred to 19/20 programme
U49290010	AULT A CHRUINN	Complete	Unknown	
7.5 - 20m span				
A08630060	SUMARDALE	Complete	07-Mar-19	
C12320020	KYLE RAILWAY	Complete	07-Mar-19	
C12440010	CREAG UISDEIN	Complete	06-Mar-19	
U47550010	MILL ROAD	Complete	07-Mar-19	
U47780010	STAFFIN SLIPWAY	Complete	07-Mar-19	
U47970010	GARRAFAD	Complete	07-Mar-19	
U48090010	CHRACAIG	Complete	07-Mar-19	
U48530050	ALLT DARACH	Complete	06-Mar-19	
U48860019	NOSTIE	Complete	05-Mar-19	
U49340010	LETHALT	Complete	06-Mar-19	
U49970010	SCALLASAIG BAILEY	Complete	05-Mar-19	
U50010010	LOISGTE	Complete	05-Mar-19	
20-75m span				
U49290030	CROE	Complete	28-Sep-18	
A08630080	STRUAN CAUSEWAY	Complete	28-Sep-18	
A08500340	SKEABOST	Complete	28-Sep-18	

**2018/19 Area Structures Progress Report
Completed Principal Inspections**

Bridge Code	Bridge Name
U49480020	BRAEINTRA
A08550100R85	RETAINING WALL
C12230110R63	RETAINING WALL
U49340010R22	RETAINING WALL
U49340010R87	RETAINING WALL
C12240020R72	RETAINING WALL
U48840050	ELCHAIG
U48840039	LING
C12370050	RIVER BRITTLE
C12230080	GLENMORE
U49290030	CROE
A08630080	STRUAN CAUSEWAY
A08500340	SKEABOST