

Bridges and Roads Update

Welcome to your monthly update on the latest situation on the county's bridges and roads following the floods 2015-16.

Whilst we will make every effort to make this as comprehensive as possible, due to the high number of damaged roads and bridges each update will not always include a full list of all roads and bridges in Cumbria. As damage is repaired and roads and bridges re-opened the information in this update will change.

The Infrastructure Recovery Team has been working extremely hard following Storm Desmond in December 2015. As part of the 16/17 Programme, around 235 bridges and 164 carriageways were repaired costing £25 million. Due to the huge number of assets requiring repair works, limited resources, and specific working windows as per environmental consents, some assets have fallen into the 17/18 works programme.

The 17/18 Programme of Works started at the beginning of April 2017. With £45 million to spend on further repairs to the County's bridges and carriageways, it's a very busy time. There are plans to complete further repair works to around 350 bridges and 260 carriageways across the county. A full list of these repairs has been published online -

<http://www.cumbria.gov.uk/eLibrary/Content/Internet/544/3887/5894/42590105727.pdf>

We are continuing to work hard with our supply chain delivery partners, integrating them as much as possible to tackle Cumbria's infrastructure repairs in a collaborative, efficient and effective manner. To date we are pleased to say that 79% of the value of works spent in repairing our infrastructure has been contracted and delivered by organisations based in Cumbria creating significant socio economic benefits to our county.

Monthly update on critical bridges and highways following Dec 2015 floods:

Bridges in the East:

We have joined up with Local Area Teams and contractors to complete them in order of severity of the damage. The table below provides an update on the critical bridges in the East, outlining the progress and the status of the asset.

Road / Culvert	Name	District	Position	Status	Update
B5320	Pooley Bridge	Eden	Complete collapse.	Open	<p>The new temporary bridge was formally opened by Keith Little, Cabinet Member for Highways on Sunday 20th March 2016. The bridge is a single carriageway under traffic light control, as was the old bridge. In addition, it has a 1.5m wide footway on the downstream side.</p> <p>Work has commenced to begin to define and assess options for a permanent replacement to be designed, procured, and built.</p> <p>This is involving technical appraisals and constraints mapping as well as community engagement. The Council is in consultation with the local parish council and other interested parties regarding the replacement of the bridge.</p>
C3048	Brougham Old Bridge	Eden	Major damage to substructure and masonry cutwater.	Closed	<p>Stabilisation works are now complete.</p> <p>It has been confirmed that the next stage of the works is to reconstruct the structure to its existing width, for pedestrians and cyclists only.</p> <p>The permanent construction phase is to commence in the in river working window, following further coring of the foundations. Works are expected to be complete in 2017.</p>

Bridges in the South:

Similarly with the East, we are working with Local Area Teams and local contractors with the aim to restore and repair the bridges. Critical bridges are addressed in the table below.

Road / Culvert	Name	District	Position	Status	Update
C5057	Ford Bridge (Burneside New)	Sth Lakeland	Subsided pier.	Open	<p>Weight restrictions of 3.5t and width restrictions in the form of traffic management are in place in order to prevent the weight restriction being exceeded.</p> <p>Type of works to be carried out will be full reconstruction of the bridge. The central pier will be removed by October 2017, aiming for the bridge to be reconstructed by Autumn 2018 due to the EA working window restrictions.</p>
A683	Middleton Hall Bridge (near Kirkby Lonsdale)	Sth Lakeland	Temporary bailey bridge will remain in place to maintain network connectivity.	Open	<p>The temporary pontoon bridge that has been open for some time already will remain in place to maintain network connectivity.</p> <p>Works were carried out over the winter period to ensure the integrity of the pontoon bridge by securing the bridge abutments to ensure the temporary bridge remains open.</p> <p>Full permanent works are estimated for completion by Autumn 2017.</p>
	Broad Head Bridge, Grayrigg	Sth Lakeland	Significant damage during follow up inspection.	Closed	<p>The extent of the damage to this bridge meant it was closed immediately. A detailed inspection has taken place which has identified the damage as significant and the inspection report has been completed by the Council's Technical Advisor.</p> <p>Whilst ownership is still in doubt it has been decided that in the best interest of the public the repair shall be completed by the Council, remediation works are required to the embankment supporting the Network Rail infrastructure.</p> <p>The options for this bridge are still to be confirmed.</p>

Bridges in the West:

Similarly with the South and East, we are working with Local Area Teams and local contractors with the aim to restore and repair the bridges. Critical bridges are addressed in the table below.

Road / Culvert	Name	District	Position	Status	Update
U1140	Bell Bridge and Bell Lonning, Sebergham	Allerdale	Complete collapse of bridge and river erosion alongside carriageway.	Closed	<p>The works required at Bell Bridge Sebergham and carriageway works at Bell Lonning have been combined. Story (Contracting) Ltd has been appointed.</p> <p><u>Bell Bridge Sebergham</u>: This bridge completely collapsed. Replacement of the bridge with a more resilient structure is being progressed. A notice board has now been erected on the reconstruction. Please see picture under good news stories.</p> <p><u>Bell Lonning</u>: River erosion alongside the carriageway has resulted in the road being closed. The first phase of works to replace the top soil and re-instate a fence between existing sheet piles has been completed.</p> <p>Temporary solution is to provide hard edge adjacent to damaged road within this period of works.</p>
	Rumbling Bridge, near Abbeytown	Allerdale	Collapse of parapet wall following landslide on adjacent retaining slope.	Closed	<p>The landslide area adjacent to this bridge has been surveyed and assessed and a design solution is being progressed. Upon completion of the final design, we will procure a contractor to undertake the repair works.</p> <p>The repair works will be complete Summer 2018.</p>
U2225	Mill Beck Bridge, Applethwaite	Allerdale	Extensive cracking to structure.	Open – Pedestrians Only	<p>Eric Wright completed the winterisation repair works on Tuesday 29th November and bridge was reopened to pedestrians only on Thursday 8th December.</p> <p>Permanent works scheduled to commence in the summer 2017 in river working window to enable a full re-opening of the bridge in Autumn 2017.</p>
C2001	Janet Bridge	Allerdale	Damage to abutments.	Open	<p>The bridge is open with temporary traffic cones and signage to keep bridge users restricted to one side of the bridge.</p> <p>Permanent works will be complete Autumn 2017.</p>

Good News Stories for August:

Jacob Stobbarts whilst recently completing repairs to Cliburn Mill Bridge following Storm Desmond undertook necessary white clawed crayfish rescue as part of protecting the sensitive ecology in the area. 79 crayfish in total were rescued with the help of the divers searching in the deep areas around the pier, and from the area that was pumped out, many brown eel were also rescued from the area that was dewatered.



Bell Bridge Notice Board as discussed above.



Bell Bridge Reconstruction

Purpose of the project
The reconstruction of Bell Bridge will allow us to restore the road over the river reconnecting the communities of Welton and Raughton Road.
Cumbria County Council have appointed Story Contracting as Principal Contractor to design and construct the works within the ambitious programme detailed below which aims to have the bridge completed in the autumn.
Subject to planning approval the new bridge will be formed to weathering steel beams with masonry clad reinforced concrete abutments and parapet walls.

Bell Lanning
Bell Lanning will be repaired with a temporary solution to allow it to be re-opened with appropriate size and weight restrictions in 2017. A full repair is then scheduled for 2018 requiring a specific solution.

Safety
Whilst we understand this is a highly anticipated project we must stress the importance of keeping a safe distance from the works and obeying footpath closures, signage and requests from marshals. The construction works will involve the use of heavy plant and an increased number of vehicle movements so please ensure children in particular take care and are aware of these dangers.

Community Update
Further Public Consultation

PROJECT DURATION
DEC 2016 JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DEC 2017

DESIGN & APPROVAL
Feasibility Study
Detailed Design
Planning Approval
Construction Approval

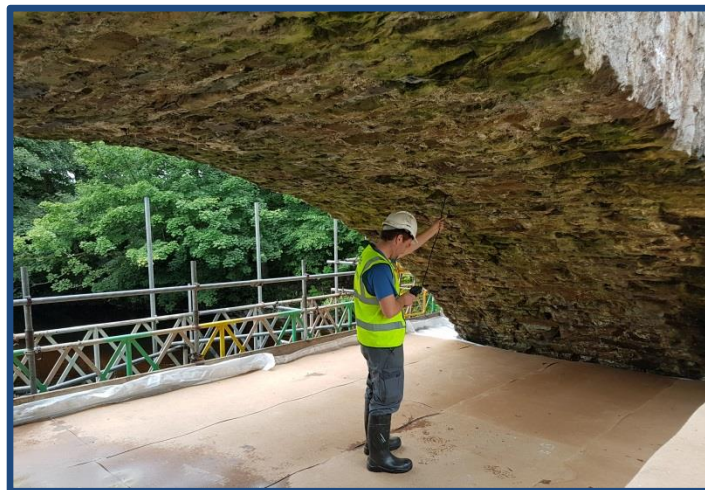
CONSTRUCTION
Construction Works
Handover

STORY
Contact name: John Slee, Story Contracting
01228 590644

Cumbria County Council
Contact name: David Harrison, Infrastructure Recovery Programme
Highways Hotline: 0300 3032992

CAPITA

Coffey Group whilst undertaking repairs to Millthrop (Sedbergh) bridge following Storm Desmond, have recently undertaken an endoscope survey to confirm no bat presence as part of protecting the sensitive ecology in the area.



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