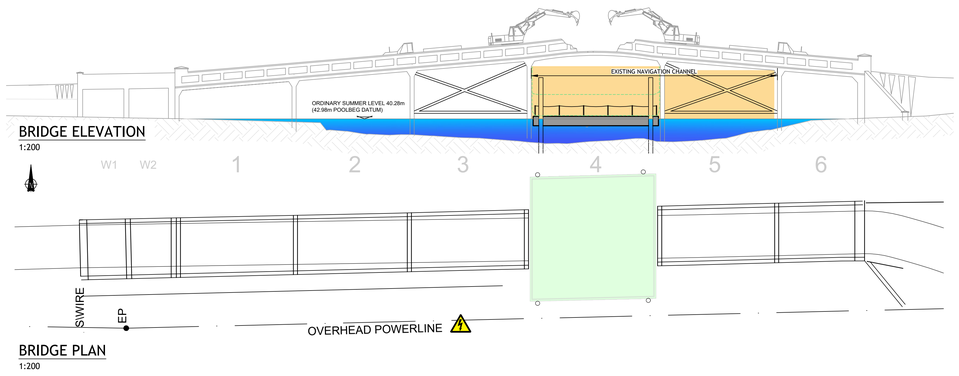
STAGE 1

Stage 1 - River Navigation Management

Restrict navigation channel to Span 4 only to enable installation of steelwork bracing to Spans 3 and 5.
Install CHS piles during temporary closure windows (2 no. 6 hour windows).
Stop/Go system to be established with suitable active traffic management controls.
Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of Span 4 and demobilise floating platform during a single 24 hour closure.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.

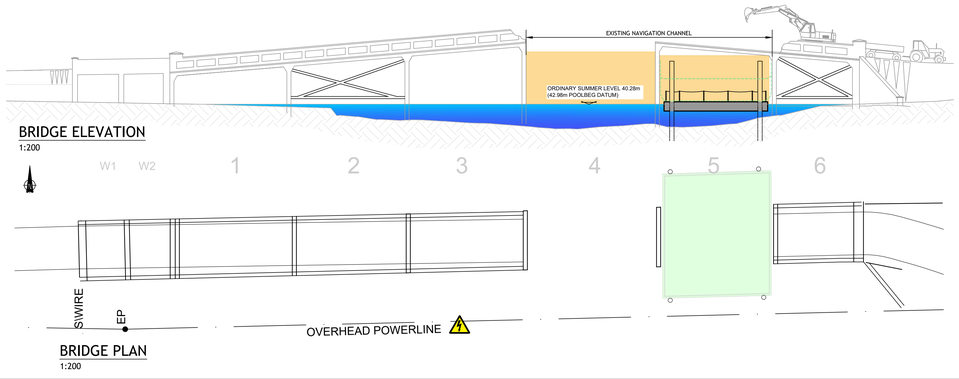


STAGE 2

Stage 2 - River Navigation Management

Restrict navigation channel to Span 4 only. Stop/Go system to be established with suitable active traffic management controls.
Install steelwork bracing to Spans 6 and 2.
Install CHS piles during temporary closure windows (2 no. 6 hour windows).
Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of Span 5 and demobilise floating platform.
Demolish pier between Spans 4 and 5 during a single 12 hour closure.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.

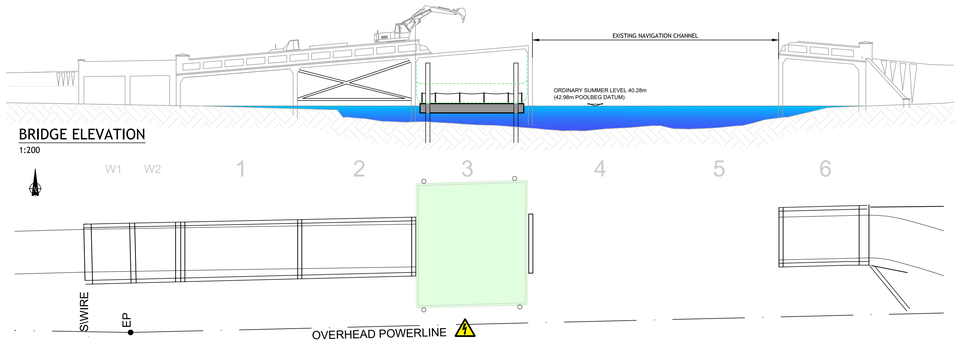
Important Note:
Navigation Channel equivalent to pre-existing navigation channel is now available for the rest of the demolition stages.



STAGE 3

Stage 3 - River Navigation Management

Maintain navigation channel to Spans 4 and 5 as per pre-existing navigation arrangements.
Install CHS piles. Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of Span 3 and demobilise floating platform.
Demolish pier between Spans 3 and 4 during a single 12 hour period.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.



STAGE 4

Stage 4 - River Navigation Management

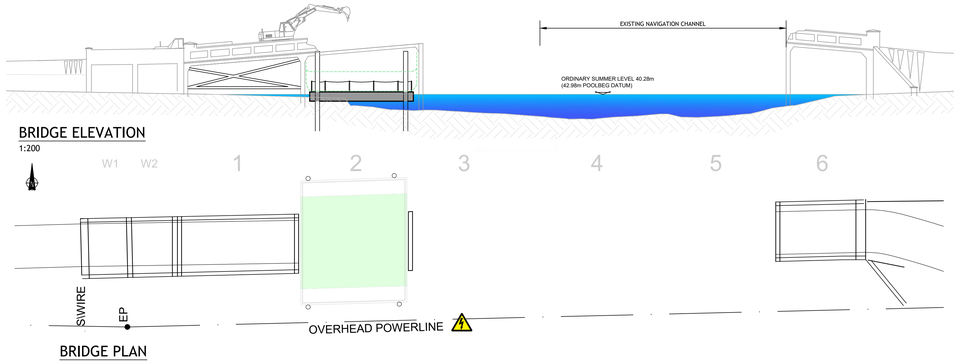
Maintain navigation channel to Spans 4 and 5 as per pre-existing navigation arrangements.
Install steelwork bracing to Span 1.
Install CHS piles. Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of Span 2 and demobilise floating platform.
Demolish pier between Spans 2 and 3.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.

NOTE:

ALL LEVELS ARE RELATED TO THE ORDNANCE DATUM (O.D.) MALIN HEAD UNLESS NOTED OTHERWISE

MALIN HEAD DATUM IS APPROXIMATELY 2.7m ABOVE THE POOLBEG LIGHTHOUSE DATUM
TO GET POOLBEG FROM MALIN HEAD ADD 2.7m
TO GET MALIN HEAD FROM POOLBEG SUBTRACT 2.7m
(SOURCE OSi)

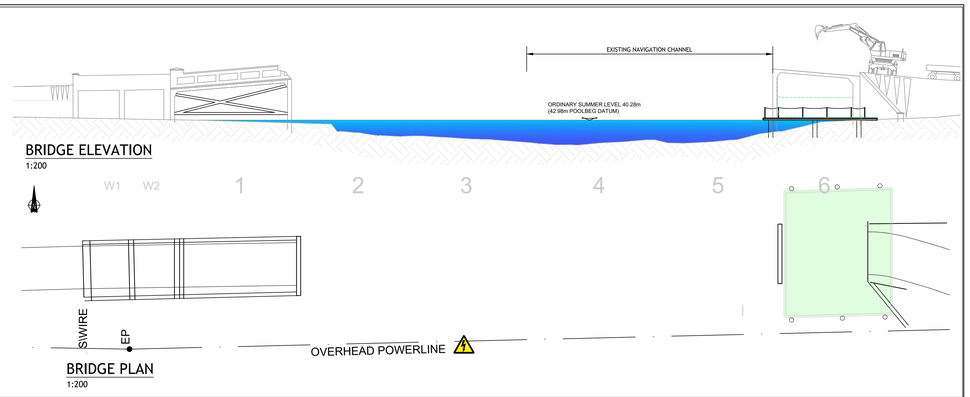
ALL WATER LEVELS TO BE CONFIRMED WITH WATERWAYS IRELAND



STAGE 5

Stage 5 - River Navigation Management

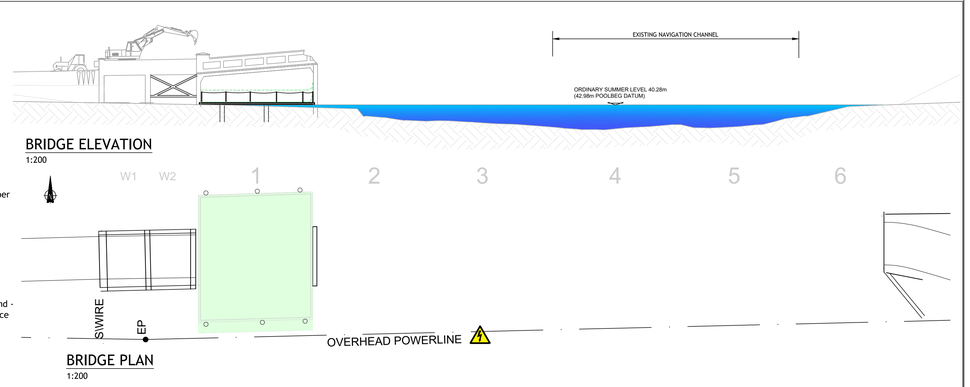
Maintain navigation channel to Spans 4 and 5 as per pre-existing navigation arrangements.
Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of Span 6 and demobilise floating platform.
Demolish pier between Spans 5 and 6.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.



STAGE 6

Stage 6 - River Navigation Management

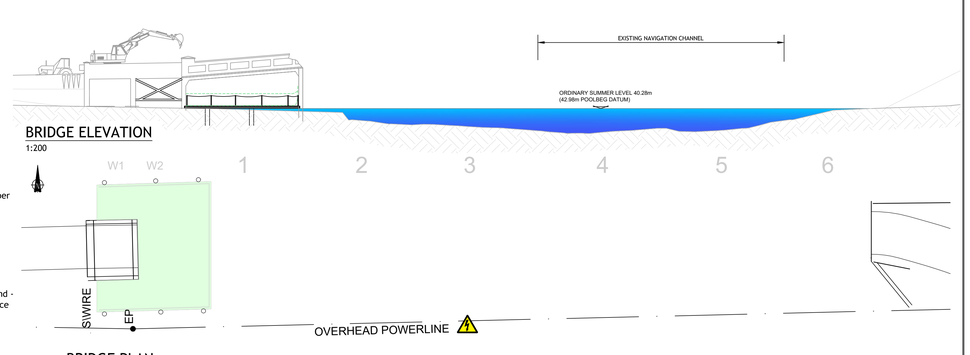
Maintain navigation channel to Spans 4 and 5 as per pre-existing navigation arrangements.
Install steelwork bracing to approach spans
Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of Span 1 and demobilise floating platform.
Demolish pier between Spans 1 and 2.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.



STAGE 7

Stage 7 - River Navigation Management

Maintain navigation channel to Spans 4 and 5 as per pre-existing navigation arrangements.
Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of approach span and demobilise floating platform.
Demolish pier.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.



STAGE 8, 9 & 10

Stage 8 - River Navigation Management

Maintain navigation channel to Spans 4 and 5 as per pre-existing navigation arrangements.
Demolish and remove as much superstructure material (e.g. road surfacing) to streamline subsequent demolition of the deck and parapets.
Install floating platform, complete demolition of approach span and demobilise floating platform. Demolish pier.
Install temporary traffic management measures/details as required by Waterways Ireland - all to be agreed with Waterways Ireland in advance of commencement.

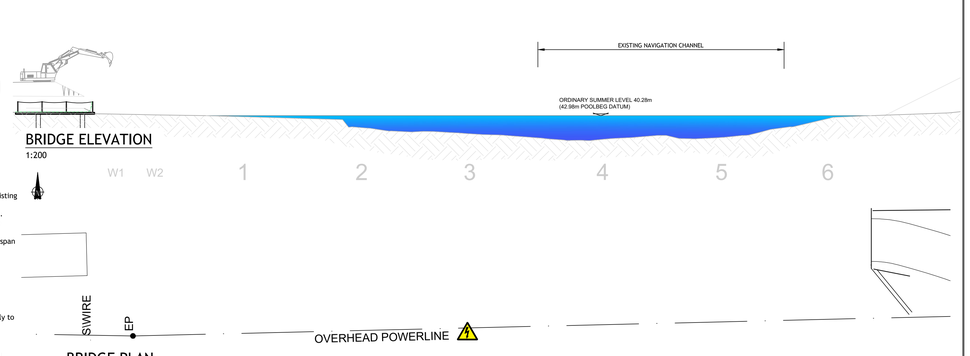
Stage 9 - River Navigation Management

This stage will consist of the dredging works required locally to the channel to enable an expanded channel between the central span of the proposed new Hartley Bridge.

Localised traffic management measures will be undertaken during a short 24 hour - 48 hour period, but operations are not expected to disrupt the normal navigation operations.

Stage 10 - River Navigation Management

The only anticipated disruption to the river navigation during the construction of the new bridge will be a full closure during a 24 hour period to enable lifting of the precast, prestressed beams across the central span and the installation of permanent formwork to facilitate subsequent construction of the deck.



COLOUR DRAWING ☒

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Drawn By: S Buckley
Date Issued:
Issued By:

Rev	Amendment	By	Date	Rev	Amendment	By	Date
PL0	ISSUED FOR PLANNING	IBS	2021/09/06				

Client: Comhairle Chontae Liatroma Leitrim County Council

Job: HARTLEY BRIDGE REPLACEMENT
Title: EXISTING BRIDGE DEMOLITION TRAFFIC MANAGEMENT STAGES

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Stage: PLANNING
Scale @ A0: 1:200
Technician Check: S Buckley
Engineer Check: J Roche
Approved:
Drawing No: 182-164-110 | Rev: PL0