

IN THE MATTER OF AN APPLICATION TO
AN BORD PLEANÁLA

FOR APPROVAL OF THE FOYNES TO LIMERICK ROAD (INCLUDING
ADARE BYPASS) COMPRISING:

- (I) FOYNES TO RATHKEALE PROTECTED ROAD SCHEME,
2019;
- (II) RATHKEALE TO ATTYFLIN MOTORWAY SCHEME, 2019;
- (III) FOYNES SERVICE AREA SCHEME, 2019.

ABP Ref. ABP-306146-19 and ABP-306199-19

Additions to the Schedule of Commitments submitted to
An Bord Pleanála on Tuesday 16th February 2021

Foynes to Limerick Road (including Adare Bypass)

Additions to the Schedule of Commitments

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1. Introduction

Mitigation measures are the measures proposed in order to avoid, reduce or where possible remedy the significant adverse environmental effects of the proposed development. Mitigation measures have been incorporated into the design of the proposed road development and will be applied during both the construction and operation phase as necessary.

A Mitigation Measures document was submitted to An Bord Pleanála as part of the application documentation containing:

- Mitigation and Monitoring Measures outlined within the Environmental Impact Assessment Report (as compiled in Chapter 19 of the EIAR).
- Mitigation Measures outlined within the Natura Impact Statement.

The Mitigation Measures document forms the basis for the Schedule of Commitments. This Additions to the Schedule of Commitments document, outlines further Mitigation Measures committed to, since the application documentation was submitted in December 2019. The table in section 2 outlines these additional commitments which in addition to the Mitigation Measures document, comprises the Schedule of Commitments.

2. Additional Commitments at the Oral Hearing

No.	Description
OH.1	Additional areas of Landscape Planting were identified in the Further Information Response Document submitted to An Bord Pleanála in September 2020. The areas are identified as SLM 20 and SLM 21 in Figures R11, R11.1, R11.3, R11.4 and R11.7 in Appendix A5 of the FI document. These areas will be planted in accordance with the descriptions of these Specific Landscape Measures as provided in Appendix A6 of the FI Response.
OH.2	Cements based on Ground Granulated Blast Furnace Slag (GGBFS) will be used rather than traditional Portland Cement in the structures required for the scheme. It is estimated that 45,000 m ³ of concrete will be required for these structures and this will lead to a saving of approximately 1,200 tonnes CO _{2eq} (a saving of 10% on this item).
OH.3	Local Cycling Network: The following will be provided along the local roads identified as cyclist and pedestrian routes in Plates 4.50 and 4.51 of Chapter 4 of the EIAR: <ul style="list-style-type: none"> • Clear directional signs will be provided to ensure that cyclists and pedestrians are aware of available routes to follow; • Directional signs will be provided at crossroads and within towns and villages, providing information on towns and local amenities within the vicinity.
OH.4	Water quality monitoring in the receiving watercourses listed in section 6.8.2 of the Environmental Operating Plan (Appendix 4.1 of the EIAR) shall entail 12 no. monthly samples to be taken prior to construction to establish baseline conditions. This testing shall include (but not be limited to) those parameters listed in Section 6.8.2 of the abovementioned plan.
OH.5	IFI will be consulted by the appointed contractor in relation to the final Environmental Operating Plan and specific works method statements for watercourse crossings.
OH.6	Culverts, whether they are temporary or permanent structures, will not pose a barrier to fish migration.
OH.7	All culverts will be embedded.
OH.8	Where culvert installation is agreed, maintain the natural channel gradient, stream width and substrate configuration and be of a minimum size of 900mm.

OH.9	Culverts will be buried to a minimum of 300mm (preferably 500mm) below the stream bed at the natural gradient, and sized to maintain the natural stream channel width.
OH.10	Box culverts should be embedded to a minimum of 500mm.
OH.11	We confirm that the usable gradient range recommended for embedded pipe culverts is less than three percent (3%).
OH.12	Stone pitching or rock armour will be provided at the end of each culvert to prevent scour and provide for transition from the culvert to the realigned stream channel.
OH.13	Embedment of the culvert and back-filling will be done with clean gravel/cobble approach to establish fish passage.
OH.14	The detail of construction methods and any necessary habitat/fishery protection/enhancement works associated with culverts will be agreed in advance.
OH.15	A layer of stone of 40 to 50mm depth will be placed on the bed of any temporary stream alignment to prevent scour and silt loss.
OH.16	Both permanent and temporary river crossings will only be installed during the open season for fisheries works, during the months of July to September inclusive.
OH.17	Silt traps will be constructed at locations that will intercept run-off to streams. A sufficiently sized and protected buffer zone will remain between the silt trap and the watercourse with natural vegetation left intact so as to assist silt interception.
OH.18	Traps will not be constructed immediately adjacent to natural watercourses.
OH.19	The design of silt traps or settlement ponds will facilitate the bypassing of individual cells for maintenance/solids removal if and when required.
OH.20	The silt traps/settlement ponds will have turbidity monitors at the inflow to allow advance warning of silt-laden waters entering.
OH.21	In constructing and designing silt traps, particular attention will be paid to rainfall levels and intensity.
OH.22	The silt traps will be designed to minimise the movement of silt especially during intense precipitation events where the trap maybe become hydraulically overloaded.
OH.23	They will be located with good access to facilitate monitoring sampling and maintenance. Settlement ponds will be sized to allow for a minimum 24 hour retention time.
OH.24	All drainage will be designed to achieve a discharge to surface waters with a suspended solid concentration of no more than 25mg/L. This will be noted in the EOP and any associated Works Method Statements.
OH.25	The pH of receiving waters will remain in the range of 6-9 unless baseline monitoring shows it is normally outside of this range.
OH.26	Daily visual inspections of all settlement ponds, surface water and drainage systems will be provided for IFI with checks twice daily in periods of heavy rainfall.
OH.27	Final design of drainage and silt trapping systems will be agreed with IFI.
OH.28	The recommendations included in the both the IFI document Guidelines on Protection of Fisheries During Construction Works in and Adjacent to Waters (IFI, 2016) and the Biosecurity Protocol for Field Survey Work (IFI, 2010) will be implemented in full.
OH.29	All discharges to and through the surface water collection and disposal system to groundwater and thence to surface water shall not be of environmental significance.
OH.30	All mitigation measures identified in the EIAR are implemented in full.
OH.31	Piling activities adjacent to watercourses will begin with a ramp-up or 'soft-start ' procedure to more fully mitigate the impact of any noise on the movement of fish species through the works area.

OH.32	There will be no permitted discharges to surface water resources of contaminated water or surface water run-off from the development.
OH.33	Servicing including refuelling of plant and equipment will only be undertaken on impermeable hard standing areas.
OH.34	All plant and equipment used within the subject site will carry spill clean-up kits and not be used or operated if there is evidence of leakage or damaged oil seals.
OH.35	There will be no discharge during the construction period of cementitious materials or residues thereof to the surface water or drainage network.
OH.36	When cast-in-place concrete is required, all works will be undertaken in the dry and effectively isolated from entering any receiving surface or foul sewers for a period sufficient to cure the concrete.
OH.37	Concrete delivery vehicles will be precluded from washing out at locations that could result in a discharge to the surface or foul sewers.
OH.38	Where cement or lime is stored on site, it shall be held in a dry secure area.
OH.39	All oils and fuels used on or within the site will be stored in secure bunded areas and servicing including refuelling of plant and equipment shall only be undertaken on impermeable hard standing areas.
OH.40	Where temporary diesel or petrol driven pumps are used within the site, they will all be positioned within portable bunded units.
OH.41	Any silt curtains to be deployed will comply with the relevant European Standard CE 37-CPR-0613/29.
OH.42	All staff working in the vicinity of watercourses will be made aware of procedures to prevent silt or other pollutants from reaching watercourses.
OH.43	Sufficient materials to aid in diversion/containment of any such spillage will be readily available and stored at close distance.
OH.44	Contact details for local IFI staff will be supplied to the contractor once appointed to be added to the Emergency Response Plan.
OH.45	The timing for any instream works will be confined to July to September in any one year.
OH.46	Underwater archaeological assessments will be carried out on watercourses which will be impacted by the proposed road project, as identified in Section 14.6.3 of the EIAR document prior to construction. All mitigation measures detailed in Section 14.6 of the EIAR will also be carried out in full prior to construction under the supervision of a Project Archaeologist appointed by TII.
OH.47	The distance of Ballyclogh House is approximately 500m south of the cutting at Mulderricksfield (CH 5+150 to 6+400). Given the protected status and vulnerability of this structure, a pre- and post-condition structural survey will be undertaken.
OH.48	Pre and Post Condition surveys will be provided for the slatted tanks / slurry storage adjacent to the proposed road development for CPO numbers 324 (Miriam Linehan) and 133 (Patrick O'Connell).
OH.49	Limerick County and County Council will consult with the Regional Waste Management Planning Office prior to the construction phase.
OH.50	The stone wall affected on Plot 441 (Submission SCH-52 by John Kett) will be reinstated with a similar stone wall to be built along the realigned boundary line.
OH.51	<p>The Terms and Conditions of the Bat Derogation Licence (DER-BAT-2019-128) are to be adhered to as follows:</p> <p>Condition 4: The mitigation measures outlined in the application report (2019 NPWS Derogation Licence Application, Dr Tina Aughney, Bat Eco Services, 4. Bat Mitigation Measures), together with any changes or clarification agreed in correspondence between NPWS and the agent or applicant, are to be fully and strictly carried out. Strict adherence must be paid to all the proposed measures in the application.</p> <p>Condition 5: All sites must be surveyed immediately prior to demolition.</p>

	<p>Condition 6: Demolition works should happen outside the main summer season, avoiding May to August and cold winter months (December and January).</p> <p>Condition 7: The works will be supervised by a licenced bat specialist agent.</p>
OH.52	<p>To ensure certainty of continued water supply and quality to the Craggs/Barrigone Group Water Scheme during the construction phase, in the unlikely event of hydrological impact, Limerick City and County Council have confirmed that a pipe connection to the Public Mains will be provided as a back-up supply. Such a temporary connection has been agreed with Irish Water and they have confirmed that the flow capacity is available to meet the existing demands of the group scheme with its 63 connections. The cost associated with the construction of this temporary connection from the Group Water Scheme Reservoir to the existing public water supply on the N69 at Clondrinagh will covered by the Limerick City and County Council. It will be constructed before construction works commence on the proposed road development. This will ensure that the Group Water Scheme will have a guaranteed supply in the unlikely event it is required.</p> <p>In the unlikely event that the Craggs/Barrigone source is permanently impacted through loss of well yield due to the construction works, and a suitable alternative borehole cannot be found, Limerick City and County Council have further confirmed that a permanent connection of the Public Water Supply to the Limerick City Regional Supply Scheme at Clarina will be facilitated. The cost of this permanent connection, in the unlikely case that it is required, will borne by Limerick City and County Council / Irish Water. The temporary connection network will remain in place in the event of the permanent connection being required.</p> <p>The routings for the proposed temporary and permanent connections are shown in Figures TWM and PWM attached to the Hydrology and Hydrogeology brief of evidence (also submitted as part of the Supplementary Information document to An Bord Pleanála on 15th February 2021).</p>
OH.53	<p>As outlined in the Further Corrigenda document submitted on 16th February 2021, the Farm Underpass accommodation provision made within structure FR-C15, in Boolaglass will be no less than 4.5m wide x 4.5m high.</p>