

Active Travel – Outline Resource & Waste Management Plan Waste Management Plan

1. Introduction

This Outline Resource & Waste Management Plan (RWMP) has been prepared in support of the St Paul's Roundabout to Ballykeeffe Roundabout Active Travel Scheme. The plan is outline in nature as it concerns the design, planning and procurement stage of the proposal in advance of works taking place.

The application site is located on the R526 St. Nessans Road commencing to the south of St. Paul's Roundabout and extending to the north of Ballykeeffe Roundabout, Dooradoyle, Limerick.

The application proposes -

- Construction of dedicated cycle track facilities on both sides of the R526 St. Nessans Road over an approximate length of 600m between the St. Nessans Park entrance road (south of Saint Pauls Roundabout) and the Crescent Shopping Centre entrance road (north of Ballykeeffe Roundabout) to encompass Saint Pauls Roundabout and Ballykeeffe Roundabout and alterations to existing road carriageway widths;
- Provision of a shared street arrangement through Ballykeeffe Estate to facilitate cyclist access to/from Ballykeeffe Roundabout;
- Re-construction of pedestrian footpaths on both sides of the R526 where required to facilitate the upgrade works;
- Upgrade of the existing zebra crossings on the R526 adjacent Saint Pauls Roundabout to signalised pedestrian/cyclist crossings, upgrade of the existing crossing on the L-1429 Father Russell Road and provision of a new crossing on the Scoil Phoill Naofa access road;
- Provision of bus priority signals on the northbound and southbound approaches to Saint Pauls Roundabout on the R526 in conjunction with the crossing upgrades;
- Re-construction of a section of the boundary wall to Saint Pauls Nursing Home;
- Closure of an existing entrance off Saint Pauls Roundabout to Saint Pauls Nursing Home;
- Re-construction of a section of the low boundary wall to protected structure No. 1648 St. Pauls Church Dooradoyle;
- Alterations to the Ballykeeffe Estate junction with the R526;
- Upgrade of the existing zebra crossings on the R526 and the zebra crossings on the R926 adjoining Ballykeeffe Roundabout to signalised crossings;
- Provision of bus priority signals on the southbound approach to Ballykeeffe Roundabout on the R526 in conjunction with the crossing upgrade;
- Provision of a stepped pedestrian access route from Ballykeeffe Estate and road crossing on the western arm of the Ballykeeffe Roundabout on the R526;
- Re-construction of existing bus stop facilities including for the provision of island bus stop arrangements at four separate locations;
- Improvements to drainage, water and utility services where required;
- Road re-surfacing, road markings and coloured surfacing to cycle facilities where required;
- Existing trees to be removed / cut back as required for the construction of the footway and cycle facilities. New trees and landscaping to be provided to compensate for removal of trees;
- All associated site works

2. Background

This outline RWMP has had regard to the EPAs (2021) Best practice guidelines for the preparation of resource & waste management plans for construction & demolition projects. With regard to relevant legislation and policy, the RWMP has had regard to the following:

- The EU Waste Framework Directive (Directive 2008/98/EC), which has been enacted in Ireland under the Waste Directive Regulations 2011 (S.I. No. 126 of 2011)
- European Union (Waste Directive) Regulations (2011–2020)
- The Waste Management Act (1996).
- A Waste Action Plan for a Circular Economy – Ireland's National Waste Policy 2020–2025

The EPAs (2021) guidance document in relation to the preparation of resource & waste management plans for construction & demolition projects sets out thresholds and tiers with regard to the scale of projects. The thresholds are set out below:

Text Box 2: RWMP Thresholds

Developments below the following thresholds may be classed as Tier 1 development:

- New residential development of less than 10 dwellings.
- Retrofit of 20 dwellings or less.
- New commercial, industrial, infrastructural, institutional, educational, health and other developments with an aggregate floor area less than 1,250m².
- Retrofit of commercial, industrial, infrastructural, institutional, educational, health and other developments with an aggregate floor area less than 2,000m²; and
- Demolition projects generating in total less than 100m³ in volume of C&D waste.

Developments above these thresholds are classed as Tier-2 projects

Source: EPA (2021)

Tier 1 projects are considered smaller scale projects and require the submission of a simplified RWMP. Tier 2 projects are considered larger scale projects including Strategic Infrastructure Developments, Strategic Housing Developments, infrastructure projects (road, rail, gas, energy) or any project above the thresholds set out in Text Box 2 above.

3. Project Description

The proposal consists of the following elements:

- ➔ Provision of upgraded pedestrian cyclist facilities including cycle lanes and crossing facilities. Provision of bus priority measures. Landscaping works.
- ➔ The majority of the proposed scheme is within the existing road corridor, the scheme extents are greater than 2,000m² and therefore is a Tier 2 project.
- ➔ Quantities of waste are unknown at this stage; the appointed Contractor will be required to submit a Construction stage waste management plan which will outline their proposals.

4. Roles and Responsibilities

This outline RWMP has been prepared by Active Travel to support the Part 8 planning application. The outline RWMP will be included in the tender documentation for procurement of the Main Contractor subject to Part 8 planning approval. The Main Contractor will then update the RWMP as part of the tender submissions. The RWMP would then be reviewed by the Design and Construction Teams and used in the tender documentation for sub-contractors and suppliers to ensure compliance. The contents of the plan will be subject to the relevant tier and will evolve during the construction phase of the development. The plan will have regard to the EPAs Best Practice Guidelines and the recommended contents for Tier 1 and 2 projects.

5. Conclusion

This Outline RWMP has been prepared in support of application St.Paul's Roundabout to Ballykeeffe Roundabout Active Travel Scheme and has had regard to best practice methods and guidance to reflect current waste management policy and legislation. The main aim of this plan is to establish best practice methods and principles in relation to construction and demolition waste. The RWMP will be developed and evolve further as the proposal goes through each phase of development both prior to and during construction, to ensure that opportunities to maximise waste reduction and efficiency are carried out.

