

Appendix 10.2. Outline Traffic Management Plan

Appendix 10-2 Outline Traffic Management Plan

This section provides an initial outline of the contents of the future Construction Stage Traffic Management Plan which shall be prepared prior to the uprate works. It provides guidelines for the key items that need to be included in contractor's CTMP which includes:

Car Parking

Site Access & Egress;

Traffic Management Signage;

Routing of Construction Traffic;

Timings of Material Deliveries to Site;

Traffic Management Speed Limits;

Road Cleaning; and

Enforcement of Traffic Management Plan

Car Parking

Construction Phase

Parking will not be permitted along the side of any road.

Existing facilities within the WwTP site will be utilised during the construction period

Operational Phase

The Carlow County Development Plan was reviewed to determine parking provision requirements. It was found that no prescribed rate applies to developments of this type. As a result, parking requirements were determined based on the anticipated operational characteristics of the site. The proposed development will include a total of 6 parking bays, of which:

1 bay will be designated as accessible

2 bays will be equipped with EV charging capabilities.

Site Access and Egress

Given that the access to the residential dwelling also falls within the application site, the existing site access along Green Road will be retained, and will serve as the sole access point for the WwTP site during both the construction and operational phases.

Traffic Management: Signage

Proposed signage may include warning signs to alert road users of access/egress points and the presence of construction traffic. All signage will be provided in accordance with the Traffic Signs Manual – Chapter 8: Temporary Traffic Measures and Signs for Roadworks, and in agreement with Carlow County Council.

In summary, the contractor will be required to ensure the following elements are implemented, if required:

The principal contractor(s) shall consult with relevant authorities to identify and agree on signage requirements. Such signage shall be installed prior to the commencement of works on site.

Provision of temporary signage indicating “Stop/Go” control ahead.

Provision of general information signage to inform road users and local communities of the nature and location of the works, including project contact details.

Traffic Management: Routing of Construction Traffic

Materials will be delivered directly to each site. Construction-related HGV traffic will be required to utilise the National and Regional Road network as much as possible. As outlined in Section 10 , all material deliveries will be routed through the Kilkenny Road / Green Road junction.

The contractor shall ensure that appropriate traffic management measures are implemented to prevent any direct physical impact on surrounding sites.

Construction HGV traffic will be directed away from residential communities where possible to minimise disruption to road users.

The contractor will also be required to liaise with the management of other construction projects and the local authority to coordinate deliveries.

Traffic Management: Timing of Material Deliveries

To minimise effects on local communities and residents adjacent to the proposed sites, material deliveries will be restricted to the hours of 09:00 to 16:00 during the construction period. In addition:

The contractor will liaise with other construction project managers and the local authority to coordinate deliveries.

Deliveries will be scheduled to avoid overlap with critical construction activities (e.g., avoiding concrete pours on the same day as bulk material deliveries).

HGV deliveries will be suspended on days of major agricultural shows, sports events, or other activities that may cause increased traffic volumes in the area.

The contractor will engage with the local community to avoid conflicts with sensitive events such as funerals.

HGV deliveries will avoid passing schools during opening and closing times, where reasonably practicable.

Traffic Management: Speed Limits

Adherence to posted/legal speed limits will be emphasised to all staff, suppliers, and contractors during induction training.

Drivers of construction vehicles/HGVs will be advised that movements in sensitive areas (e.g., near schools or community centres) should be restricted to 50 km/h, unless a lower speed limit is posted.

These recommended speed limits apply only to construction traffic and will not be signposted, to avoid confusion for general road users.

Traffic Management: Micro Tunnel Gravity Sewer

The Ø1650mm diameter gravity microtunnel sewer construction works will follow along Kilkenny Road where intermediary shafts will be constructed. For the shaft constructions, temporary lane closures may be required. Closures will be limited to no more than 100 metres at a time.

During closures:

One side of the road will remain open to traffic using a 'Stop/Go' traffic management system, maintaining a minimum 3m carriageway width.

Temporary traffic signals will be used to safely channel road users through the works area.

Where road crossings are required, one carriageway will be completed before the second is opened to maintain traffic flow.

Pedestrian permeability will be maintained as part of the traffic management system.

Outfall Pipeline Construction:

No road or lane closures will be applied for the Ø900mm diameter outfall pipeline construction as both launch and reception shafts are outside the Kilkenny Road.

The figure below illustrates an example of a 'Stop/Go' system (Source - <https://www.gktm.ie/traffic-management-operations/>).



Figure 10-1: Example of 'Stop/Go' system

Road Cleaning

In areas with poor ground conditions, protective measures (e.g., ground protection mats) will be used to limit debris and mud generation.

Road sweeping operations using a suction sweeper will be carried out daily, or as required, to remove construction-related dirt and debris from adjacent public roads.

A road cleaning schedule will be included in the detailed Traffic Management Plan.

If mud or debris is carried onto the road when the sweeper is not present, site staff will manually clear it immediately under appropriate temporary traffic management controls.

Enforcement of Traffic Management Plan

All project staff and material suppliers will be required to adhere to the Construction Stage Traffic Management Plan.

The principal contractor(s) shall agree and implement monitoring measures to assess the effectiveness of the plan.

Compliance will be monitored by the Site Engineer, with inspections and spot checks conducted to ensure adherence to the agreed measures.

Emergency Procedures During Construction

In the case of an emergency the following procedure shall be followed:

Emergency Services will be contacted immediately by dialling 112;

Exact details of the emergency/ incident will be given by the caller to the emergency line Operator to allow them to assess the situation and respond in an adequate manner;
The emergency will then be reported to the Site Team Supervisors and the Safety Officer;
Where required, appointed site first aiders will attend the emergency immediately; and
The Safety Officer will ensure that the emergency services are enroute.