CORK COUNTY COUNCIL

Regional & Local Road Design Office

PRELIMINARY SAFETY & HEALTH PLAN

For

Falling Weight Deflectometer
Survey and Report Services
2027

November 2026

This Preliminary Safety & Health Plan has been prepared as per the Health and Safety Authority's guidelines for the recommended contents of a preliminary Safety & Health Plan.

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APPENDIX 1

Preliminary Temporary Traffic Management Plan

Form 8 - Project Supervisor Construction Stage: Assessment of Competence

1. PROJECT INFORMATION:

1.1 Project Description and Programme Details:

The Preliminary Safety and Health Plan has been prepared in accordance with current Health, Safety and Welfare at Work (Construction) Regulations by the Project Supervisor Design Process (PSDP). It is being made available to the Project Supervisor appointed for the Construction Stage (PSCS) who will incorporate and develop it as required in the final Health and Safety Plan.

Title:
The Scheme title is "Falling Weight Deflectometer Survey and Report Services 2027".

Location:
The project locations are throughout the County.

Project Description:
The scope of the works is summarised as follows:
1. Execution of Falling Weight Deflectometer testing on various road lengths
2. Shallow core sampling of road pavements on the FWD lengths, 1 No. per location
3. Traffic management and safety
4. Undertaking the role of PSCS

Project Programme:
It is the intention of the Project Supervisor for Design Process to allow adequate time for the work to be carried out in a safe manner. The expected duration of the works is 4 weeks.

1.2 Details of Client, Designers and Project Supervisor Design Process:

Client: " Cork County Council ".

Designers: " Contractor appointed to carry out the Work ".

PSDP: " Cork County Council".

PSDP Contact Details are listed below: -

Name: Cork County Council
Address: Regional & Local Road Design Office, Floor 3, Library Building, Carrigrohane Rd, Cork. T12K335
Tel No: 021 - 4285287

PSCS: "Contractor appointed to carry out the Work".

To make the appointment of PSCS, the contractor's competence with regard to Health and Safety will have to be assessed by filling out Form 8 - Project Supervisor Construction Stage: Assessment of Competence (included in Appendix 1).

1.3 Pavement survey works: FWD and coring:

FWD testing is required at 50m intervals in one lane only. Safety should be important criteria in making the selection.

One shallow core is required from each section of roads listed on the FWD schedule in order to determine the existing upper pavement construction. The location at which to take the core should be selected by the testing company. Safety should be important criteria in making the selection.

It is the duty of the contractor to consult, if and where necessary, with Private and Public Service Providers concerning, inter alia, the following services: -

- Underground E.S.B. Cables.
- Overhead E.S.B. Cables.
- Watermains.
- Storm Sewers.
- Overhead Eircom cables.
- Underground Eircom cables.
- Bord Gais Distribution Mains.
- Bord Gais Transmission Mains.
- Underground Telecommunications, Fibre Optic and Broadband ducting and cables.

2. PARTICULAR RISKS ASSOCIATED WITH THE WORKS

The following is a non-exhaustive list of particular risks to the safety and health of persons as set out in current Health, Safety and Welfare at Work (Construction) Regulations together with the opinion of the Project Supervisor for Design Process on what elements, if any, of the works may fall within each particular risk category. It should be noted that many of the risks on the project arise out of working methods and as a result cannot be determined by the Project Supervisor Design Process.

Works which put persons at work at risk of burial under earthfalls, engulfment in swampland or falling from a height, where the risk is particularly aggravated by the nature of the work or process used or by the environment at the place of work or construction site.

- Work on the road and junctions which remain open to traffic present a risk to safety. It is recommended to avoid coring work in the more risky locations and to take all reasonable measures to control the risk at coring and FWD locations.

Work that puts persons at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involving a legal requirement for health monitoring.

- Inhalation of dust from earthworks, drilling and cutting of concrete and concrete products. Avoid the creation of unnecessary dust and where dust is a feature then proper PPE to be used.

Work with ionizing radiation requiring the designation of controlled or supervised areas as defined in Directive 96/29/Euratom 2

- None are identified at this stage.

Work near high voltage power lines

- Overhead power lines may cross the site or are in close proximity to it. The overhead lines pose a particular risk to the electrocution of persons on the site particularly to persons in vehicles with high reach such as drilling rigs and excavators etc. It is recommended to avoid the need for any high equipment in such areas.

- Excavations may pose a risk from underground cables. The requirement of section 1.3 above is noted regarding liaison with utility and service providers. It is recommended to avoid the need for any coring in such areas.

Work exposing persons at work to the risk of drowning

- None are identified at this stage.

Work on wells, underground earthworks and tunnels

- None are identified at this stage.

Work carried out by divers at work having a system of air supply

- None are identified at this stage.

Work carried out in a caisson with a compressed air atmosphere

- None are identified at this stage.

Work involving the use of explosives

- None are identified at this stage.

3. OTHER INFORMATION:

- It is an objective of the project to complete the works in a safe manner minimising all risks and in full compliance with Safety and Health legislation and good practice.

- It is Cork County Council's policy to protect the safety of those engaged in Roadwork's and those affected by such undertakings by the best practicable means. This is to be achieved by: -

  a. Proper planning of proposed works.
  b. Employing the highest recognised safety standards in planning and execution.
  c. Compliance with relevant statutory provisions.
  d. Provision of necessary training and development of staff.

- The PSDP has prepared this preliminary Health and Safety Plan.

- The Client will appoint in writing a Contractor to carry out the FWD testing (and coring works). That Contractor will be a competent Designer and PSCS for the specialist works in question.

- The PSCS must prepare the developed Health and Safety Plan.

- The PSCS must complete a Site Specific Risk Assessment.

- The Client will organise a pre commencement safety meeting with the PSCS, as per the Cork County Council Procedure for Compliance with the Construction Regulations. The safety advisor or relevant assistant safety advisor will attend.

- Line management will organise a post works safety close off meeting, as per our Procedure for Compliance with the Construction Regulations. The safety advisor or relevant assistant safety advisor will attend.

- The PSCS must hold a site induction meeting, to bring to the attention of all relevant personnel. The contents of any Health and Safety Plan, a Method Statement and Site Specific Risk Assessment.

- The PSDP will be responsible for compiling the Safety File. The PSCS will provide information as required.

- A temporary Traffic Management Plan must be prepared by the PSCS.

- The Project Supervisor Construction Stage will fulfil the notification requirements and will ensure all certification requirements are complied with and all statutory forms are completed.

- The Project Supervisor Construction Stage shall ensure all site personnel comply with the Safety Health and Welfare at Work Legislation.

4. TEMPORARY TRAFFIC MANAGEMENT PLAN:

4.1 Purpose of Temporary Traffic Management Plan:

The purpose of the Temporary Traffic Management Plan is to ensure that the works location is made safe for all road users. Specifically, the Temporary Traffic Management Plan aims to regulate and control the trafficked work environment to ensure as far as reasonably practicable, the safety of all road users and works alike. The Temporary Traffic Management Plan does this by applying a range of control measures appropriate to the particular circumstance encountered in each Phase of the Project.

4.2. Preparation of Temporary Traffic Management Plan:

The Temporary Traffic Management Plan shall be developed and included in the Safety Plan/Safety File as appropriate.

The Department of Transport, Traffic Signs Manual, Chapter 8 shall be used as the template for the design of temporary traffic management measures and supplemented as necessary.

Design of temporary traffic measures and signs at road works to be in accordance with Chapter 8 of the Traffic Signs Manual and supplemented as necessary.

To carry out the work it is envisaged that a Semi Static Lane Closure can be used and that the attached Preliminary TTMP in Appendix 1 (extract from Department of Transport, Traffic Signs Manual, Chapter 8) is to be developed with this in mind.
Clear drawings to an appropriate scale shall be included with all Temporary Traffic Management Plans.

Where detours/diversions are employed details of all signage and locations of all signage shall be shown.

Consultation with the Gardaí may be necessary in the preparation of Temporary Traffic Management Plans.

5. SPECIFIC RECOMMENDATIONS OF THE PSDP:

FWD testing is required at 50m intervals in one lane only. Safety should be important criteria in making the selection of lane to be tested.

One shallow core is required from each section of roads listed on the FWD schedule in order to determine the existing upper pavement construction. The location at which to take the cores should be selected by the testing company. Safety should be important criteria in making the selection.

It is the duty of the contractor to consult, if and where necessary, with Private and Public Service Providers.

6. DUTIES OF THE P.S.D.P.: (SUMMARY OF DUTIES AS PER H.S.A. GUIDELINES)

- Identify hazards arising from the design or from technical, organisational, planning, or time-related aspects of the project.
- Where possible, eliminate the hazards or reduce the risk.
- Communicate necessary control measures, design assumptions, or remaining risks to the PSCS so they can be dealt with in the Safety & Health Plan.
- Ensure that the work of designers is co-ordinated to ensure safety.
- Organise co-operation between designers.
- Prepare a written safety and health plan for any project where construction will take more than 500 person days or 30 working days or there is a particular risk and deliver it to the client prior to tender.
- Prepare a safety file for the completed structure and give it to the client.
- Notify the Authority and client of non-compliance with any written directions issued.
- The PSDP may issue directions to designers or contractors or others

Appendix 1

Form 8 - Project Supervisor Construction Stage: Assessment of Competence

Preliminary Temporary Traffic Management Plan

Form 8

Project Supervisor Construction Stage: Assessment of Competence
Project:
Proposed PSCS:
Assessment undertaken by:
Date of assessment:
Assessment Item: Membership of Professional Bodies.
Details:
Assessment Item: Knowledge of construction, particularly in relation to the nature of the project.
Details:
Assessment Item: Safety and Health qualifications and training (e.g. degree, diploma, certificate, continual professional development).
Details:
Assessment Item: Safety and Health experience on similar projects.

Details:

- Experience of working with and coordinating the activities of different contractors and acting as a liaison between the construction phase and the design function.
- Experience of developing a Safety and Health Plan.

Assessment Item:
Sufficient staff with qualifications, training and experience, both within the company and from other sources, relevant to the project.

Details:

Assessment Item:
Experience in developing and monitoring compliance with Safety and Health plans.

Details:

Assessment Item:
Evidence of functioning Safety Management System:

Details:

- Is there a company Safety and Health plan and arrangements for the effective organisation of Safety and Health matters?
  Yes/No
- Is there an up to date Safety Statement?
  Yes/No
- Is there a site-specific risk assessment?
  Yes/No
- Is there evidence of communicating to employees, information on hazards and protective and preventative measures, for example the Authority's Safe System of Work Plans?
  Yes/No
- Are individuals identified with responsibility for safety and health for each project?
  Yes/No
- Is there evidence of checking e.g. scaffolding, lifting equipment, excavation inspections audit?
  Yes/No
- Is there evidence of corrective actions, learning from past experience?
  Yes/No

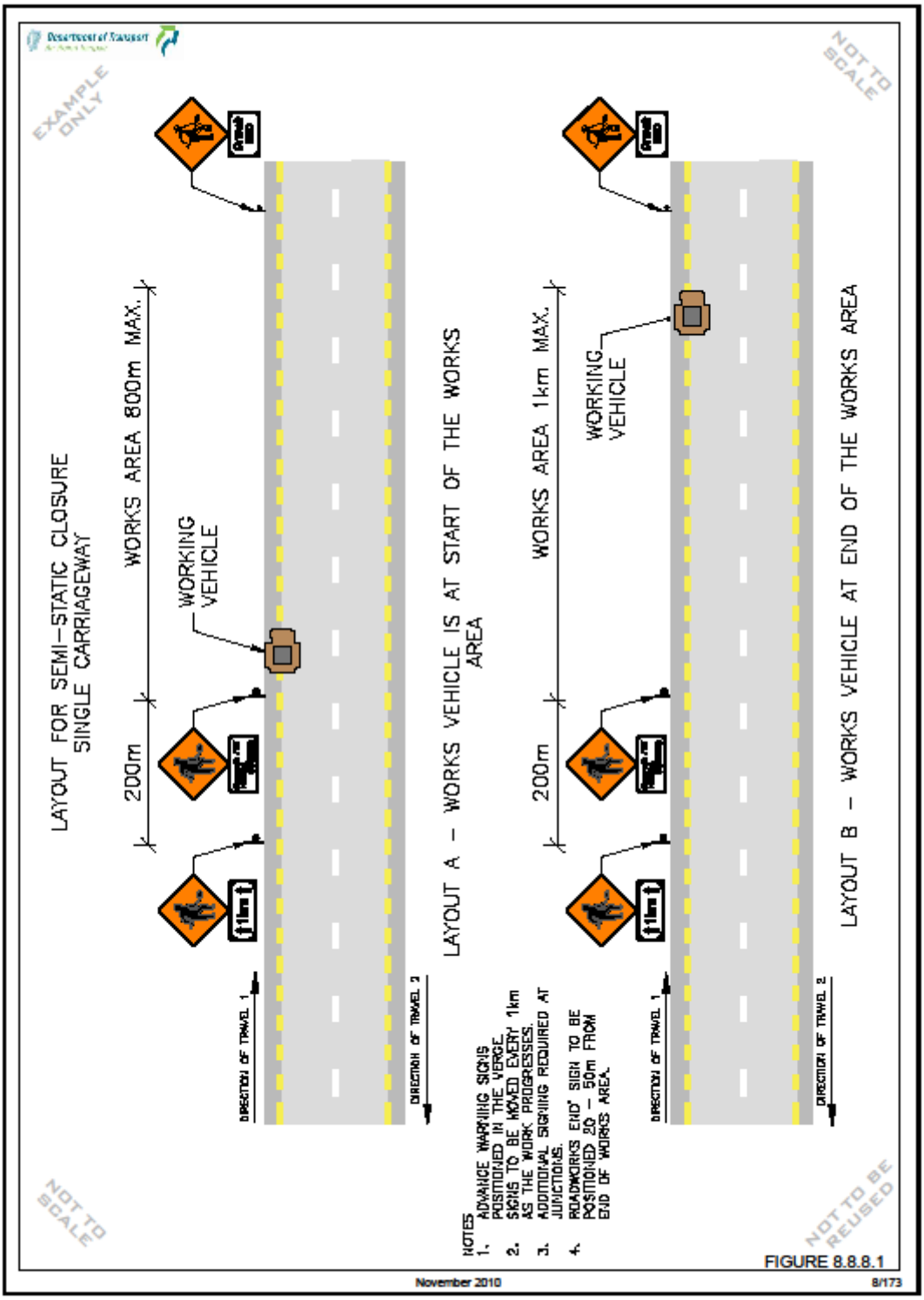
- Does the company/organisation have a Safety Training Programme in place?
  Yes/No
- Is there evidence of a Safety Management System (SMS) such as that detailed in the Health and Safety Authority's Guidance Document on "Safety Management System"?
  Yes/No
- Is there evidence of accreditation of the SMS, up to Safe T Cert or OHSAS 18001 Standard.
  Yes/No

Assessment Item:
Evidence of Regulatory Compliance, including:

Details:

- Are notifiable accidents reported to the Health and Safety Authority? Does the organisation collect information on non-reportable accidents?
  Yes/No
- Regulatory compliance, Convictions, Enforcement Notices, in particular repeat Notices?
  Yes/No
- Does the organisation have a good Safety, Health and Welfare at Work record on previous projects with Cork County Council?
  Yes/No

What resources will be allocated to this project:				
Adequate Resources Allocated:	Yes		No	
Assessed as Competent:	Yes		No	
PSCS Signs:				
Date:				
Client Signs:				
Date:				


EXAMPLE ONLY
NOT TO SCALE
LAYOUT FOR SEMI-STATIC CLOSURE
SINGLE CARRIAGEWAY
200m
WORKS AREA 800m MAX.
WORKING VEHICLE
DIRECTION OF TRAVEL 1
DIRECTION OF TRAVEL 2
LAYOUT A – WORKS VEHICLE IS AT START OF THE WORKS AREA
NOTES
1. ADVANCE WARNING SIGNS POSITIONED IN THE VERGE.
2. SIGNS TO BE MOVED EVERY 1km AS THE WORK PROGRESSES.
3. ADDITIONAL SIGNING REQUIRED AT JUNCTIONS.
4. ROADWORKS END' SIGN TO BE POSITIONED 20 – 50m FROM END OF WORKS AREA.
200m
WORKS AREA 1km MAX.
WORKING VEHICLE
DIRECTION OF TRAVEL 1
DIRECTION OF TRAVEL 2
LAYOUT B – WORKS VEHICLE AT END OF THE WORKS AREA
NOT TO SCALE
NOT TO BE REUSED
FIGURE 8.8.8.1
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