

# TII Winter Service

9<sup>th</sup> October 2020

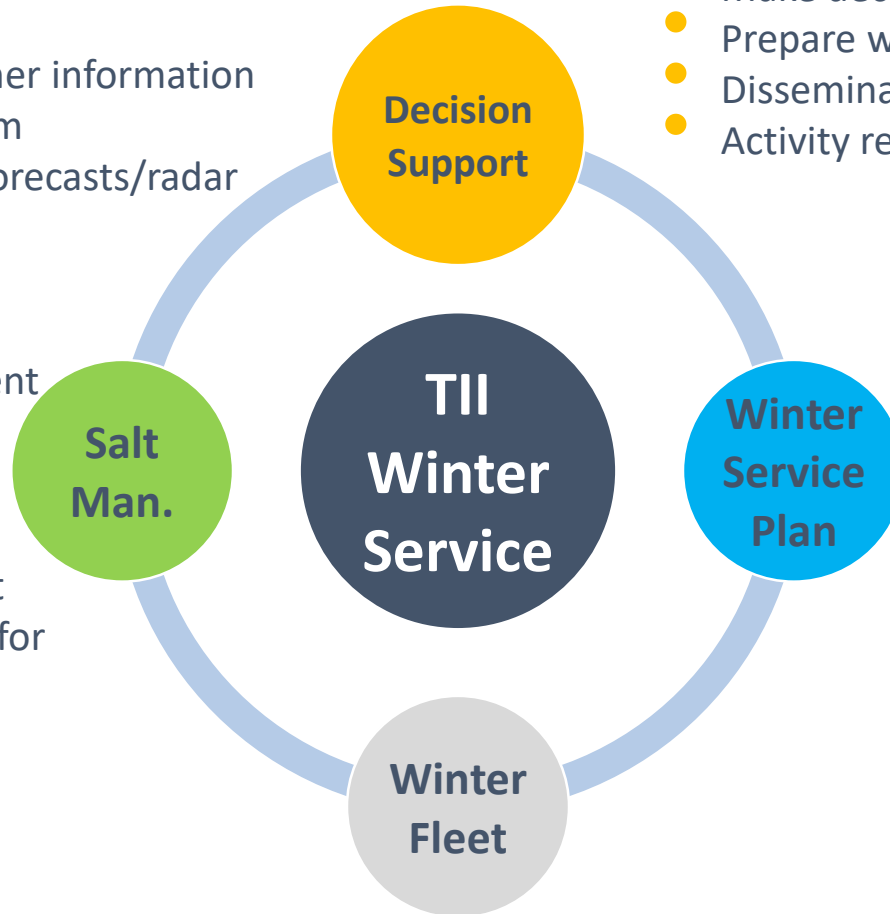
**Stephen Smyth**

Senior Manager - Pavement Asset Management Programme & Winter Services  
Network Management

# National Roads Winter Service

- 113 roadside weather stations/ 97 cameras
- Web based road weather information decision support system
- Integrated real time/ forecasts/radar information

- Make decisions
- Prepare winter operations plans
- Disseminate plans
- Activity reporting



## Salt Management

- National Salt Management System (NSMS)
- Manages suppliers and distribute to LA's
- Annual salt procurement
- 96,000 tonnes available for 2020/21 national roads.
- 4 strategic stores in Balbriggan, Cahir, Ennis, Kinnegad.

## Winter Service Plan

- TII Winter Service Template
- Set standards
- Define performance requirements
- Identify decision makers and stakeholders
- Define treatment routes
- Anti-icing – Before road freezes
- De-icing – Removing ice/ snow from the network

## Winter Fleet and Infrastructure

- 360 salt spreaders/ 320 snow ploughs
- Brine saturators and storage tanks
- Salt Barns - 90,000 tonnes storage in local authorities

# Covid-19 and Winter Operations

1. New Covid risk assessments and mitigations for winter operations.
  - Some items to consider:
    - a. Additional PPE.
    - b. Equipment/vehicle modifications.
    - c. Changes to readiness procedures.
    - d. Vehicles sanitised before and after use.
    - e. Health of workforce.


Description / Scope of Activities: General duties of TII construction staff and co-located consultants.				Name of Employee TII Staff visiting/working on sites			Project Safety Advisor:						
Division or Sub-Division:				Works being carried out alone			Date: 03/04/2020						
(1)	(2)	(3)	(4)	(5)		(6)		(7)		(8)	(9)	(10)	
Risk Ref	Activity / Process / Material / Element	Hazard	Risk which may arrive from hazard	Initial Risk		Risk control measures: Design action taken, record of decision process including option considered, design constraints and justification for options / actions not having been taken	Residual Risk		Is there a 'significant' residual risk to be passed on? (Y/N)	Actions necessary to control the Risk / Comments / Recommendations	Status (Active / Closed)		
				Probability	Severity		Probability	Severity				TII Risk Level	TII Risk Level
Control 1	TII Construction Staff and co located consultants working on TII sites and site offices (whether TII or contractor furnished) during COVID 19 Outbreak as they cannot work from home.	The spread of COVID-19 on construction sites.	Illness	4	5	20	To work from home where their work and/or attendance in work is not essential.	1	5	5	N	TII construction site staff might not find it feasible or practicable to work from home. A construction site is no different than any other public location so site personnel need to exercise the HSE public health advice at all times.	Active
	TII Construction Staff and co located consultants working on sites and TII site offices (whether TII or contractor furnished) during COVID 19 Outbreak as they cannot work from home.	Spread of virus through close contact with others in meetings.	Illness				A construction site is no different than any other public location. Site personnel need to exercise the HSE public health advice at all times. Where possible carry out your meetings through phone or online meetings. Reduce face to face meetings to a minimum. In exceptional circumstances where face to face meetings are necessary, ensure that all participants are wearing face masks and maintaining a safe distance of 2 metres.					Use your phone and Microsoft Teams to carry out meetings where possible. Where this is not possible implement social distancing advice of 2 metres.	

## Coronavirus COVID-19




Coronavirus COVID-19 Public Health Advice


### Help prevent coronavirus




Wash your hands



Cover mouth if coughing or sneezing



Avoid touching your face



Keep surfaces clean



Stop shaking hands and hugging




Keep a safe distance

The virus spreads in sneeze and cough droplets, so regularly taking the above measures helps reduce the chance of it spreading.

**Visit HSE.ie**  
For updated factual information and advice  
Or call 1850 24 1850

Protection from coronavirus. It's in our hands.



Riadas na hÉireann  
Government of Ireland

# Severe Weather Events

2. Severe Weather/Covid ready exercise.
  - a. Scenario planning.
  - b. Prolonged severe weather.
  - c. Second Covid-19 spike.
    - Winter service is an **Essential Service**.
  - d. Maintaining critical freight, supplies, key worker movements on national roads.
  - e. Response plan in case of a Covid19 outbreak.
  - f. Second lockdown – how will your organisation cope;
    - drivers, resources, decision makers?



# Decision Making and Operations

## 3. Winter operations.

### a. Earlier decision making.

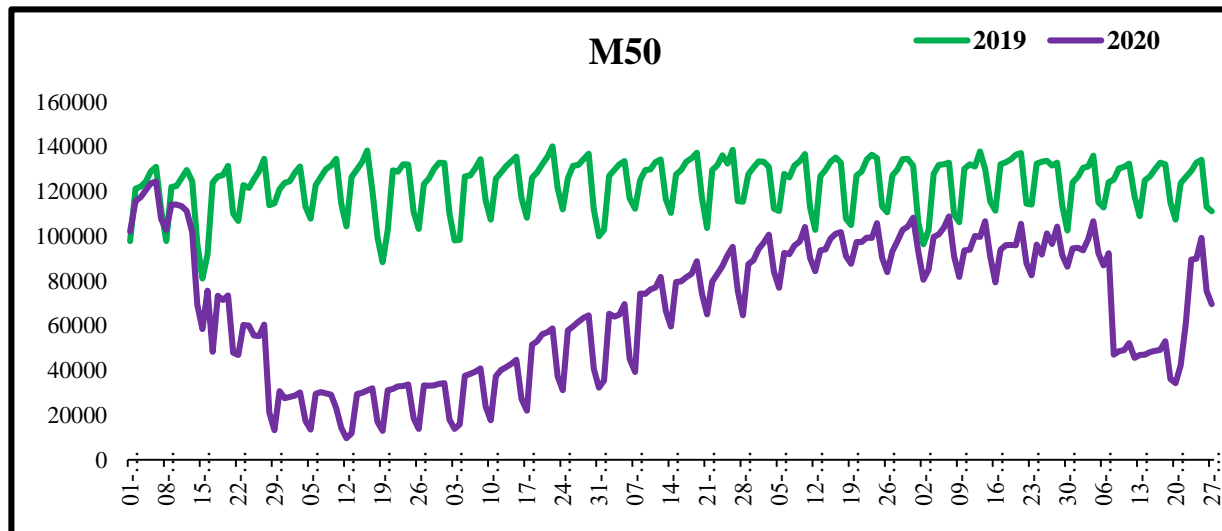
- May be appropriate to make decisions earlier in the day to allow for increased procedures when loading vehicles.

### b. Precautionary treatments – effectiveness with reduced traffic levels.

- Traffic required to work salt into solution on the road surface.
- Possibly higher rate of spread in areas.

### c. Reactive treatments – snow and ice removal.

- Snow and ice removal becomes more difficult where action of traffic reduced.



# Salt Supply and Collection



## 4. Salt collections.

- a. Maximise locally held salt stocks early in the season.
- b. Make orders on the NSMS.
- c. Make contact with the supplier.
- d. Additional procedures in supplier depots.
- e. Please make note of any Covid19 specific rules or policy in place in depots and ensure drivers comply.
- f. Pick up orders as soon as possible and as quickly as possible.

### **South East Port Services Ltd. Hauliers Information for Road Salt Collection**

#### **SITE RULES and COVID POLICY:**

- Report directly to Weighbridge upon arrival.
- Thereafter proceed directly to the designated loading location as instructed by the weighbridge operator.
- Remain in vehicle at all times.
- The broadly published hygiene guidelines by the HSE regarding COVID 19 shall be observed at all times. This includes handwashing or hand sanitising, coughing and sneezing etiquette.
- If it is unavoidable and absolutely necessary to vacate the vehicle, drivers must use hand sanitiser and face coverings. There are hand sanitiser stations provided onsite. It is **NOT** acceptable to leave the vehicle unless critical. All transgressions will be reported to management and further to the drivers/clients senior management in writing.
- Once loading is completed the driver shall immediately proceed to the Weighbridge for exit weighing.
- SEPS operate an electronic signature system and dockets will be printed and presented to the driver.
- Safety footwear must be worn at all times.
- Visibility jackets must be worn at all times.
- All other PPE must be worn when necessary as determined by the risk assessment associated with the work being carried out.
- **SEPS VEHICLES HAVE RIGHT OF WAY AROUND THE PREMISES**
- Stay on approved roads and park so that your vehicle does not become an obstruction or hazard.
- NO SMOKING
- SPEED LIMIT 20 km/h

#### **All Personnel on Site must:**

- Take reasonable care of their own safety and of those around them.
- Take all precautions to avoid any risk to themselves or anyone else.
- Co-operate with Management to maintain a safe environment

# Revised Winter Service Manual

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5. Winter Service Manual and Plan Template.
  - a. New TII Standard.
  - b. New Performance Levels.

## **4.5.2 Winter Response Time**

The Winter Response Time is defined as the time taken from the decision to begin the Winter Service response or snow clearance until the Winter Service vehicles are loaded, manned and ready to leave the Depot.

- The Winter Response Time for Precautionary Treatment on national routes shall be a maximum of 1 hour.
- The Winter Response Time for Reactionary Treatment, including snow and ice clearance on national routes shall be a maximum of 1 hour.

The Winter Response Time shall not apply when the decision to mobilise is taken in advance as part of a Precautionary Treatment but in any case, shall not exceed one hour.

## **4.5.3 Winter Treatment Time**

The Winter Treatment Time is defined as the time taken from leaving the Depot through to returning to the Depot after completion of the Precautionary Treatment routes.

- The Winter Treatment Time for Precautionary Treatment shall be a maximum of 2.5 hours.
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## Stephen Smyth

[stephen.smyth@tii.ie](mailto:stephen.smyth@tii.ie)

086 380 6543

## Owen Smith

[owen.smith@tii.ie](mailto:owen.smith@tii.ie)

086 813 7918



Bonneagar Iompair Éireann  
Transport Infrastructure Ireland



Bonneagar Iompair Éireann  
Ionad Gnó Gheata na Páirce  
Sráid Gheata na Páirce  
Baile Átha Cliath 8  
Éire, D08 DK10



Transport Infrastructure Ireland  
Parkgate Business Centre  
Parkgate Street  
Dublin 8  
Ireland, D08 DK10



[www.tii.ie](http://www.tii.ie)



[info@tii.ie](mailto:info@tii.ie)



+353 (0)1 646 3600



+353 (0)1 646 3601