Public Document Pack

# Place and Resources Overview Committee

**Date:** Thursday, 16 December 2021

**Time:** 10.00 am

**Venue:** MS Teams Live Event

**Membership: (Quorum 3)**

Les Fry (Vice-Chairman), Pauline Batstone, Toni Coombs, Ryan Hope, Sherry Jespersen, Carole Jones, Val Pothecary, Maria Roe (to be confirmed at Full Council on 14 December 2021), Andrew Starr and Roland Tarr

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**Chief Executive:** Matt Prosser, County Hall, Dorchester, Dorset DT1 1XJ

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Due to the current coronavirus pandemic the Council has reviewed its approach to holding committee meetings. Members of the public are welcome to attend this meeting and listen to the debate online by using the following link: Link to view Place and Resources Overview Committee live at 10.00am on 16 December 2021

**Members of the public wishing to view the meeting from an iphone, ipad or android phone will need to download the free Microsoft Team App to sign in as a Guest, it is advised to do this at least 30 minutes prior to the start of the meeting.**

**Please note** that public speaking has been suspended. However Public Participation will continue by written submission only. Please see detail set out below.

Dorset Council is committed to being open and transparent in the way it carries out its business whenever possible. A recording of the meeting will be available on the council's website after the event.

# A G E N D A

**Page No.**

## 1 APOLOGIES

To receive any apologies for absence.

## 2 DECLARATIONS OF INTEREST

To disclose any pecuniary, other registrable or non-registrable interests as set out in the adopted Code of Conduct. In making their declaration councillors are asked to state the agenda item, the nature of the interest and any action they propose to take as part of their declaration.

If required, further advice should be sought from the Monitoring Officer in advance of the meeting.

## 3 CHAIRMAN'S UPDATE

To receive any updates from the Chairman of the Place and Resources Overview Committee.

## 4 PUBLIC PARTICIPATION

To receive questions or statements on the business of the committee from town and parish councils and members of the public.

Public speaking has been suspended for virtual committee meetings during the Covid-19 crisis and public participation will be dealt with through written submissions only.

Members of the public who live, work or represent an organisation within the Dorset Council area, may submit up to two questions or a statement of up to a maximum of 450 words. All submissions must be sent electronically to lindsey.watson@dorsetcouncil.gov.uk by the deadline set out below. When submitting a question please indicate who the question is for and include your name, address and contact details. Questions and statements received in line with the council's rules for public participation will be published as a supplement to the agenda.

Questions will be read out by an officer of the council and a response given by the appropriate Portfolio Holder or officer at the meeting. All questions, statements and responses will be published in full within the minutes of the meeting. **The deadline for submission of the full text of a question or statement is 8.30am on Monday 13 December**

**2021.**

**5 QUESTIONS FROM MEMBERS**

To receive questions submitted by councillors. The deadline for receipt of questions **is 8.30am on Monday 13 December 2021.**

**6 DORSET HIGHWAYS SKIDDING RESISTANCE STRATEGY REVIEW 2021** 5 - 48

To consider a report of the Head of Highways.

**7 PLACE AND RESOURCES OVERVIEW COMMITTEE FORWARD PLAN** 49 - 58

To review the Place and Resources Overview Committee Forward Plan.

To review the Cabinet Forward Plan.

**8 URGENT ITEMS**

To consider any items of business which the Chairman has had prior notification and considers to be urgent pursuant to section 100B (4) b) of the Local Government Act 1972. The reason for the urgency shall be recorded in the minutes.

**9 EXEMPT BUSINESS**

To move the exclusion of the press and the public for the following item in view of the likely disclosure of exempt information within the meaning of paragraph x of schedule 12 A to the Local Government Act 1972 (as amended).

The public and the press will be asked to leave the meeting whilst the item of business is considered.

**There is no exempt business.**

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# Place and Resources Overview Committee 16 December 2021 Dorset Highways Skidding Resistance Strategy Review 2021

## For Review and Consultation

**Portfolio Holder:** Cllr R Bryan, Highways, Travel and Environment

**Local Councillor(s):**

**Executive Director:** J Sellgren, Executive Director of Place

Report Author: Jack Wiltshire
Title: Head of Highways
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**Report Status:** Public

**Recommendation**: That the Place and Resources Overview Committee review and support the proposed Skid Resistance Strategy and Operational Guidance document.

**Reason for Recommendation**: If supported, the Skid Resistance Strategy and Operational Guidance document will be subject to approval by the Cabinet Portfolio Holder for Highways, Travel and Environment.

This sets out how Dorset Council will manage skid resistance on the road network, and how risk sites are identified, prioritised and investigated (in line with revised guidance in CS228 in the Design Manual for Roads and Bridges).

## 1. Executive Summary

Dorset Highways Skidding Resistance Strategy

1.1 The purpose of the Dorset Highways Skidding Resistance Strategy Review 2021 is to document Dorset Council's approach to the management of skid resistance on the carriageway network.

1.2 The implementation of this strategy supports the Dorset Council priority of 'staying safe and well'.

1.3 The revised document is aligned to new guidance set out in CS228 in the Design Manual for Roads and Bridges.

1.4 This is an operational document, therefore if supported by the Place and Resources Overview Committee, this document is subject to approval by the Cabinet Portfolio Holder for Highways, Travel and Environment.

1.5 This will demonstrate how we as a Highways Service will monitor skid resistance, identify priority sites for investigation, how we mitigate any risks, and what remedial actions are implemented.

1.6 Dorset's Skid Resistance Policy document was last reviewed in 2017 and approved by the former Dorset County Council, and is therefore due for renewal.

1.7 Outcomes associated with this strategy document are intended to be the reduction in the number of people killed or seriously injured on Dorset's roads, and the reduction in overall number of collisions.

## 2. Financial Implications

2.1 The proposed changes to the intervention criteria will mean more schemes being identified for remedial actions. These schemes are typically funded by the Department for Transport maintenance block capital funding.

## 3. Well-being and Health Implications

3.1 The revised Dorset Highways Skidding Resistance Strategy sets out how we manage skid resistance on the road network, and is intended to reduce the number of people killed or seriously injured on Dorset's roads, and reduce the number of collisions overall.

3.2 This supports the Dorset Council priority of staying safe and well, as well as fulfilling our duty to maintain the highway in a safe condition.

## 4. Climate implications

4.1 This proposal has a neutral impact on the climate.

## 5. Other Implications

5.1 None

## 6. Risk Assessment

Having considered the risks associated with this decision, the level of risk has been identified as:
Current Risk: Medium
Residual Risk: Medium

## 7. Equalities Impact Assessment

7.1 EQIA form has been completed and agreed with the EQIA Champion. It is considered there would be a neutral impact to all protected characteristics groups.

## 8. Appendices

Appendix 1 Skid Resistance Strategy and Operational Guidance Review 2021

## 9. Background Papers

**Footnote:**
Issues relating to financial, legal, environmental, economic and equalities implications have been considered and any information relevant to the decision is included within the report.

**Dorset Highways Skidding Resistance Strategy Review 2021**

10 Introduction

10.1 Dorset's Skid Resistance Policy document was last reviewed in 2017 and approved by the former Dorset County Council.

10.2 The revised Dorset Highways Skidding Resistance Strategy Review 2021 is aligned to new guidance set out in CS228 in the Design Manual for Roads and Bridges. It sets out Dorset Council's approach to the management of skid resistance on the carriageway and supports the Dorset Council priority of staying safe and well.

10.4 This is a technical, and operational document intended for implementation by Highways officers, of which this revision coincides with a review of our investigatory levels which we are required to do every three years, in accordance with national guidance.

11 Purpose

11.1 The purpose of the Dorset Highways Skidding Resistance Strategy Review 2021 is to document Dorset Council's approach to the management of skid resistance on the carriageway network. This demonstrates how we fulfil our statutory duty to maintain the highway and keep it safe, in accordance with the Highways Act 1980.

11.2 Outcomes associated with this document are intended to be the reduction in numbers of people killed or seriously injured on Dorset's roads, and the reduction in overall number of collisions, which align to the outcomes documented in the Dorset Highways Service Plan.

11.3 The document defines how we survey and monitor skid resistance annually, and our methods for data collection. It states how we use data to identify and prioritise sites for further investigation, using a scoring matrix that replicates the Highways England model that assesses risk.

11.4 It also includes details of how we conduct detailed investigations of priority risk sites, to include a template of the Detailed Investigation Form, used by Highways officers. And further goes on to explain how we mitigate any initial risks through appropriate signing and discusses possible remedial treatments.

11.5 This document could potentially be used as a defence to any litigation or third-party claims against Dorset Council arising from collisions or Police investigations.

11.6 The Highways Skidding Resistance Strategy supports the risk based approach promoted in the national Code of Practice: Well Managed Highway Infrastructure.

## 12 Significant changes

12.1 A significant change to the document is the lowering of the intervention 'risk score' which means we tackle more risk sites, supporting Dorset Council priorities to keep people safe.

12.2 These additional sites will be funded by maintenance block funding awarded by the Department for Transport, which are accounted for in proposed investment strategies for carriageways (as per recommendation of the Highways and Transport Task and Finish working group), documented in our Highways Asset Management Plan.

12.3 The risk score is derived from a matrix which considers measured skid resistance, number of collisions and the risk associated with the actual site (ie site category – approach to junction, bend radius etc).

12.4 The risk scoring matrix has removed the reference to texture depth, with the carriageway condition data collection method, no longer reporting this.

## 13 Conclusion

13.1 We therefore request that the Place and Resources Overview Committee, review and give their support to this Highways Skidding Resistance Strategy document, which will then be subject to approval by the Cabinet Portfolio Holder for Highways, Travel and Environment.

13.2 This will demonstrate Dorset Council's commitment to tackling skid resistance on the carriageway network, to manage the risk associated with slippery roads, to prevent collisions, and reduce the number of people killed or seriously injured on Dorset's roads.

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Appendix 1

# Skid Resistance Strategy and Operational Guidance

DRAFT v1 September 2021

**Moving Dorset Ahead**

**Healthy - Connected - Sustainable**

## Document History

| Version | Date | Author(s) | Reviewer(s) | Notes |
|---|---|---|---|---|
| 1.0 | 09/09/2021 | Emily See | Stephen Morgan | |
| 2.0 | 11/11/2021 | Mike Hansford | | |
| | | | | |

## Review Requirements

Following this first review this document will be reviewed as a whole on a three-yearly basis, or when CS 228 is amended by the Department for Transport.

Review and/or update requirements for specific aspects of the strategy are detailed in the appropriate place throughout the document and may result in a different frequency to the whole document review mentioned above.

## Data Management Requirements

All inputs to, and outputs from, the operation of this Skid Resistance Strategy shall be managed in accordance with Dorset Council's data management requirements. It is important to retain key information for the proper implementation of this strategy, to enable effective review and improvement, and to demonstrate all actions taken to manage skid resistance.

## Table of Contents

# 1. Introduction

Dorset Council is responsible for approximately 3,795 km of carriageway, and is committed to managing skid resistance levels of road surfaces across this network to achieve acceptable road user safety in a cost-effective manner.

The maintenance of adequate levels of skidding resistance on carriageways, footways and cycle routes is a most important aspect of highway maintenance, and one that contributes significantly to network safety. Skid resistance can be improved at relatively low cost and provides substantial benefits to communities, making this aspect of highways maintenance a cost-effective use of Council resources.

This Skid Resistance Strategy and Operational Guidance sets out the Council's approach to managing skid resistance levels of road surfaces across the Council's highway network and provides detailed guidance for the processes by which the strategy will be applied.

This document has been produced in conjunction with Yotta's Infrastructure Asset Management Consultancy team.

## 1.1 What is Skid Resistance?

Skid resistance is a measure of the frictional properties between the tyre of a moving vehicle and the road surface which directly affect the ability of a driver to slow / stop the vehicle. As such, it is a key component of road safety. In this document, skid resistance is considered in wet conditions, since the skid resistance of a wet or damp road surface can be substantially lower than the same surface when dry.

The skid resistance of a surface decreases over time due to the effects of traffic and weathering. Routine monitoring of skid resistance is carried out annually across the network using a Sideways-force Coefficient Routine Investigation Machine (SCRIM) to provide an average deficiency measurement known as the Characteristic Skid Coefficient (CSC), and combined with other data to determine areas for further investigation and potential treatment.

See Appendix 1 for further information on skid resistance.

## 1.2 What does this Strategy document cover?

This Skid Resistance Strategy provides the framework, processes and guidance for the management of skid resistance, with the aim of ensuring that the frictional properties of road surfaces are appropriate for their expected use and safety risk.

The operational guidance describes the detailed processes to:

- Define the network for which skid resistance will be managed
- Define the framework for assessing skid resistance risk
- Measure skid resistance on the SCRIM network
- Analyse skid resistance data to identify sites at which skid resistance may require further investigation
- Investigate selected sites to determine/confirm skid resistance risk
- Determine appropriate remedial actions where required

## 1.3 Benefits of Effective Skid Resistance Management

The safety benefits of effective skid resistance management are:

- Prevention: reduced likelihood of wet skidding accidents
- Mitigation: improved safety outcomes in cases where wet skidding accidents do occur

Non-safety-related benefits of effective skid resistance management include:

- Improving road surface condition (and extending road useful life) through implementation of skid resistance improvement works
- Reducing the risk of claims against the Council due to wet-skidding incidents
- Providing a cost-effective opportunity to address other identified highway condition deterioration in synergy with network maintenance programmes

## 1.4 Service Performance Outcomes

This policy supports the Service outcomes of ‘Supporting Safe Travel’ as set out in our Performance Framework, which links to the corporate objective of ‘Staying safe and well’.

We can measure how effective we have been through monitoring and reporting on :

- Trends in the number of people killed or serious injured
- The number of overall collisions on the network
- The percentage of network that that is above the minimum level of skid resistance
- The percentage of the population feeling safe on Dorset's roads

Targets for these outcomes will be set out in the annual Highways Service Plan.

## 1.5 Technical Basis

This document is based on guidance in the UK Design Manual for Roads and Bridges (DMRB), – CS 228: Skidding Resistance (formerly HD 28/15). CS 228 is designed for application to the UK Strategic Road Network rather than a local authority network such as Dorset. As such, some aspects of this strategy deviate from CS 228 guidance to ensure that desired outcomes are maintained and that the strategy is practical for the Council's purposes. Deviations from CS 228 are noted and justified throughout this document, and are made only where there is a clear benefit and safety risk is considered to remain acceptable

This Strategy is also written in accordance with the relevant principles defined in the 2017 UKRLG Code of Practice (Well-Managed Highway Infrastructure), in particular section B.5.6.

> Significant changes to any of the standards/guidance referred to above will result in a review of the relevant parts of this Strategy.

## 1.6 Legal Basis

Ensuring safe levels of skid resistance is not a specific legal requirement on local authorities. However, maintaining highways to an acceptable level of safety supports the fulfilment of the duties of Highways Authorities under the Highways Act 1980. In addition, it is general good practice and clearly desirable to maintain acceptable skid resistance.

## 1.7 A Risk-Based Approach

In line with the general principles of the UKRLG Code of Practice and CS 228, this Strategy applies a risk-based approach to the management of skid resistance, including:

- Defining the parts of the highways network for which skid resistance will be managed
- Setting the framework for determining levels of skid resistance which may require investigation
- Assessing site skid risk in order to prioritise risk management activities
- Making deviations from CS 228 to take better account of local road circumstances

## 1.8 Considerations for Other Road Users

This Skid Resistance Strategy applies to carriageways only. Off-carriageway skid resistance (e.g.: cycle paths, slip resistance for pedestrians) is managed separately by other processes that the Council has in place.

The following sources of guidance may be referenced where relevant for particular road users:

- For motorcycles: Institute of Highways Engineers – Guidelines for Motorcycling
- For horses: British Horse Society & ADEPT (then CSS) – Horses and Highway Surfacing

Note that the skid resistance of cycleways located on carriageways will be managed in the same way as for the adjoining carriageway (therefore will be maintained to the same standard of skid resistance).

# 2. Strategy Overview

The flowchart in Figure 1 below provides an overview of the process behind the Council's Skid Resistance Strategy. Each of these steps is detailed further in the relevant sections of the Strategy.

*Figure 1: Overview of Skid Resistance Strategy processes*

**Define roads/sections to be surveyed for skid resistance (see page 10)**

- This SCRIM Network will be defined based on a pre-assessment of likely skidding risk
- The SCRIM Network will be divided into Site Categories (SCs) based on risk factors

↓

**Establish skid resistance assessment framework (see page 11)**

- Assess the relative skid risk of each site on the SCRIM Network
- Set Investigatory Levels (ILs) for each site based on the Site Category and relative risk

↓

**Measure Skid Resistance and determine deficient sites (see page 14)**

- Measure skid resistance using a Sideways-force Coefficient Routine Investigation Machine (SCRIM)
- Analyse SCRIM survey data to check skidding resistance against relevant ILs

↓

**Assess site skid risk and plan further actions (see page 15)**

- Run the SCRIM Model to identify sites based on a risk-based approach
- Risk assess sites with skid resistance below the IL or otherwise flagged for assessment
- Determine whether further action is needed based on assessed risk

↓

**Investigate high-risk sites (see page 20)**

- Investigate sites according to their site risk rating – high risk sites will have a mandatory inspection
- Provide recommendations for remedial actions to reduce skid risk, if necessary

↓

**Determine remedial actions to reduce skid risk (see page 23)**

- Identify appropriate remedial actions (if required) to reduce skid risk based on the site investigation
- Implement chosen remedial actions, planned and prioritised according to site risk

This process flow has built-in review loops – these are detailed throughout this document in the relevant sections. The overall review requirements are specified on page 2.

This Strategy employs a risk-based approach throughout. Some key risk-based steps are summarised in Table 1 below, using site risk scores as described in 5.1.

*Table 1: Risk-based approach to investigations*

| | Low Risk | Mid Risk | High Risk |
|---|---|---|---|
| **Risk Score** *(as per 5.1)* | 0 – 17 | 18 – 23 | 24 + |
| **Site Investigations** *(see 5.2)* | No further investigation required | Investigate on a risk-prioritised basis, as resources allow, as soon as is reasonably practical following initial risk assessment | High-priority site investigation, to be carried out as soon as possible following initial risk assessment |
| **Warning Signs**[1] *(see 6.3)* | None required | To be installed at identified locations as soon as is reasonably practical following site investigation | To be installed at identified locations as a matter of urgency following site investigation |
| **Remedial Actions**[1] **(if recommended)** *(see 6.1)* | Implement only if/when resources allow, and only if cost-effective as part of a wider programme | Implement as soon as is reasonably practical, and as far as resources will allow | Works to be added to the current/next network maintenance works programme as high-priority schemes |

[1] *Based on post-investigation risk rating (this may differ from the initial risk rating)*

# 3. Defining the SCRIM Survey Network

## 3.1 The SCRIM Survey Network

The SCRIM survey network is that part of the highway network on which skidding resistance will be managed according to this strategy.

The Council have defined their SCRIM network as all A and B roads and some C roads on their adopted highway network. This is shown in Figure 2 below.

*Figure 2: Map of Dorset's SCRIM Survey Network*


Skid resistance surveys will not be routinely undertaken on parts of the network other than the SCRIM survey network. Skid resistance measurement of sites not on the SCRIM survey network may be undertaken when requested by the maintenance engineer as a result of reported incidents. Where possible, such sites will be appended to the routine annual SCRIM survey programme. These sites

will be reviewed to determine whether they should be added directly to the SCRIM survey network in future years.

Details of the SCRIM survey network (including Site Categories and corresponding Investigatory Levels – see below) shall be maintained in appropriate formats and stored using appropriate methods, including within the Council's highways asset management systems. These details shall be provided to SCRIM surveying contractors prior to every annual survey.

The SCRIM Survey Network will be regularly reviewed as part of the whole strategy review, and/or in the following specific cases:

- After significant changes to the highway network (including to network hierarchies)
- When there are a significant number and/or a significant variation of recorded accidents or other relevant recorded incidents, complaints, etc.

## 3.2 Setting Site Categories

The SCRIM Network is divided into sections, called Site Categories, based on the broad characteristics of the section in relation to skidding incident risk, considering both the likelihood and potential consequences of a skidding incident. The Council's criteria for setting Site Categories are identical for the most part to those in CS 228.

The resulting full list of Site Categories applied to the Council's SCRIM survey network is as follows:

- B – non-event carriageway with one-way traffic
- C – non-event carriageway with two-way traffic
- Q – approaches to and across junctions; approaches to roundabouts and traffic signals
- K – approaches to pedestrian crossings and other high-risk situations
- R – roundabout[1]
- G1 – gradient of 5-10% longer than 50m[2]
- G2 – gradient >10% longer than 50m[2]
- S1 – bend radius <500m – carriageway with one-way traffic
- S2 – bend radius <500m – carriageway with two-way traffic

[1] *Mini-roundabouts should be excluded from this Site Category. Category Q should be applied for the approach to and across mini roundabouts.*

[2] *Categories G1 and G2 are not applicable to uphill gradients on carriageways with one-way traffic.*

Site Categories will be applied to the entire SCRIM survey network according to the criteria set out above, and the following general principles:

- Site Categories shall not overlap – at sites where more than one Site Category applies, the Site Category with the highest potential Investigatory Level (see Table 2) will be applied. If highest potential Investigatory Levels in this case are identical, then the Site Category highest up the Table shall be applied (B is highest on the table, S2b the lowest).
- Site categories will be applied to all lanes of a carriageway with traffic running in the same direction – therefore, all lanes of a carriageway should be considered when identifying what Site Category will be applied.
- Small sections up to 50m classified as "Non-Event" (Site Categories B or C) may be merged with adjacent sections – the small section will then be classified with the Site Category of the section it is merging into. This is a conservative approach since the "Non-Event" categories are the lowest risk. The purpose of this is to avoid small low-risk sections, which will complicate the application of this Strategy with little to no benefit to skid resistance risk.[1]

[1] *Note that this merging rule is not present in CS 228 (the SRN is unlikely to have many small "Non-Event" sections), and is introduced here to improve applicability to a local highway authority network.*

Site Categories shall be set based on the guidance in this strategy in conjunction with the detailed guidance in CS 228 (NB: the differences between the Site Categories specified in this strategy and those specified in CS 228 should be considered).

Site Categories will be regularly reviewed as part of the whole strategy review, and/or in the following specific cases:

- After significant changes to the highway network
- [for individual sites] When recommended following site investigations

## 3.3 Setting Investigatory Levels

Investigatory Levels (ILs) represent a pre-defined limit below which investigation may be required: above this limit, skid resistance is considered to be satisfactory; at or below this limit skid resistance may require further investigation.

Investigatory Levels shall be set for each part of the SCRIM survey network – one value shall be set for each individual site, based on its Site Category. These shall be set by suitably qualified and experienced persons only, based on the guidance in this document and in CS 228.

A range of possible ILs is given for each Site Category to account for the fact that skidding risk may vary between sites of the same Site Category. These ranges are set according to the relative skidding risk judged to be inherent to each Site Category. The predefined ranges for setting ILs according to Site Category are shown below in Table 2 (where L/S/H = Low/Standard/High risk).

These ranges are identical for the most part to those in CS 228, however, additional "Low" IL values (noted as L* in Table 2) are available for categories R and G1 to account for the specificities of Dorset's SCRIM survey network (including accounting for the additional Site Category S2b as described in 3.2):

- The L* IL for category R is to account for the general variation between roundabouts on Dorset's network compared to the SRN, in particular with reference to approach speeds, and size/complexity of roundabout layouts.
- The L* IL for category G1 is to account for the much higher incidence of sections with a ≤30mph speed limit on Dorset's network compared to the SRN. These speeds in conjunction with an uphill gradient generally present low skid risk.

The default IL applicable to each site is the Standard (S) value given in Table 2 for the relevant Site Category. This may be varied within the applicable range given in Table 2 if the site is considered to be higher/lower risk than usual – see the notes below Table 2 for some such cases. The detailed guidance on setting ILs given in CS 228 will be the main reference point in this process (NB: the differences between the Site Categories/ILs specified in this strategy and those specified in CS 228 should be considered).

Investigatory Levels will be applied to each individual site on the SCRIM survey network according to the criteria set out here, in CS 228, and in 3.4 below. Each site shall have only one IL applied to it. If it appears that more than one IL could apply, the highest value shall be chosen.

Investigation Levels will be regularly reviewed as part of the whole strategy review, and/or in the following specific cases:

- After significant changes to the highway network and/or Site Categories
- [for individual sites] When recommended following site investigations

*Table 2: Investigatory Levels by Site Category and relative risk*

| | | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 |
|---|---|---|---|---|---|---|---|
| B | Non-event carriageway with one-way traffic | L | S | H | | | |
| C | Non-event carriageway with two-way traffic | | L | S | H | | |
| Q | Approaches to and across minor and major junctions. Approaches to roundabouts and traffic signals. | | | | L | S | H |
| K | Approaches to pedestrian crossings and other high-risk situations. | | | | | S | H |
| R | Roundabouts[1] | | | L* | S | H | |
| G1 | Gradient of 5-10% longer than 50m[2] | | | L* | S | H | |
| G2 | Gradient of >10% longer than 50m[2] | | | | L | S | H |
| S1 | Bend radius <500m – carriageway with one-way traffic | | | | S | H | |
| S2 | Bend radius <500m – carriageway with two-way traffic | | | | L | S | H |

*[1] Mini-roundabouts should be excluded from this Site Category. Category Q should be applied for the approach to and across mini roundabouts. The added L* IL may be applied in cases where roundabout approach speeds are ≤30 mph, or roundabout layout presents a low skid risk, unless other risk factors apply.*

*[2] Categories G1 and G2 are not applicable to uphill gradients on carriageways with one-way traffic. The added L* IL may be applied to uphill gradients on carriageways with two-way traffic and where speed limit is ≤30 mph, unless other risk factors apply.*

## 3.4 Defining Individual Sites

Individual sites on the SCRIM survey network shall be defined in order to allow meaningful comparison with an average CSC (see 4.2) across the site. Individual sites shall be defined as follows:

- A site will have only one Site Category and IL applicable for its whole length, i.e.: a site shall be truncated on any change of Site Category or IL
- Site length shall not exceed 100m, except where a residual length is less than 50% of a site – in this case the residual length may be appended to the site if both lengths have the same IL

NB: these same criteria will apply to sites with the Roundabout (R) Site Category, although CS 228 specifies 10m site lengths on roundabouts. Given the size and layouts of the majority of roundabouts on a Local Authority network, the general site length criteria given above will be suitable. Using 10m sections on roundabouts provides little/no benefit on a Local Authority network, while greatly multiplying the number of sites to manage.

# 4. Measuring Skid Resistance

## 4.1 Performing Routine Skid Resistance Surveys

Skid resistance for routine surveys will be measured using a SCRIM (Sideways-Coefficient Routine Investigation Machine). Exceptionally, alternative measurement systems may be used for the sole purpose of detailed investigation of local sites (see 5.2) if the Council is satisfied that the system is suitable for purpose and operators are suitably qualified and experienced.

Skid resistance will be measured annually over the entire SCRIM survey network (as defined in 3.1). Surveys will be planned in accordance with the Single Annual Skid Survey (SASS) approach as defined in CS 228. This specifies that, over a 3-year cycle, each road length on the SCRIM survey network shall be tested once in each part of the survey season: Early, Middle and Late.

The survey season for Dorset Council is defined as 1st May to 30th September of each year, and is divided into three parts as follows:

- Early season: 1st May to mid-June
- Middle season: mid-June to mid-August
- Late season: mid-August to 30th September

The current survey regime is below in table 3.

*Table 3: Survey Regime*

| Season/Year | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
|---|---|---|---|---|---|---|
| **Early** | | | | | | |
| **Middle** | | | | | | |
| **Late** | | | | | | |

The SASS approach has been selected by the Council as it is deemed to be the most cost-effective, and allows for full coverage of the SCRIM survey network each year.

SCRIM surveys shall be carried out by a suitably qualified and experienced contractor, with equipment conforming to the general characteristics of British Standard BS7941-1.

SCRIM surveys shall be undertaken in accordance with clauses 3.2 to 3.9 of CS 228 – refer to these clauses for detailed information. Any deviations from these clauses must be clearly agreed between the Council and the surveying contractor, and documented.

Processing of raw SCRIM survey data to produce Skid Coefficient (SC) values shall be undertaken in accordance with clauses 3.20 to 3.24 of CS 228 – refer to these clauses for detailed information. This processing will generally be undertaken by the surveying contractor – if so, this should be specified in their contract.

The surveying contractor shall deliver survey data of content and format to be agreed during the procurement process. Delivery shall include a survey coverage report detailing the network that was to be surveyed, lengths with missing or invalid data, and an explanation for any missing data.

Raw and processed data from SCRIM surveys shall be stored in accordance with the Council's Data Management policies. Relevant processed data shall be uploaded to Yotta's Horizons strategic asset management system for use in site investigation prioritisation, skid resistance-related works programming, and for general viewing of the data.

## 4.2 Calculation of the Characteristic Skid Coefficient

The Skid Coefficient (SC) is the measurement of skid resistance which is produced by the SCRIM survey. The SC must be corrected to account for seasonal variations in skid resistance – the corrected SC is known as the Characteristic Skid Coefficient (CSC).

Once raw survey data has been loaded, checked and processed, seasonally-corrected CSC values shall be calculated from the SC values following the SASS approach defined in CS 228.

The mean CSC of each site shall be calculated according to the relevant averaging length.

# 5. Site Risk Assessment & Investigations

## 5.1 Initial Site Risk Assessment

All sites where the measured CSC is at or below the corresponding IL shall undergo the initial site risk assessment process as described below. Identification of sites at which there is a SCRIM deficiency will be undertaken as soon as is reasonably practical, and within no more than six weeks from receipt of all relevant processed data. Other sites may be put forward for initial risk assessment where increased skidding crash levels have been observed.

The objective is to provide a risk assessment of these sites with regards to the risk of a skidding incident. This risk assessment will enable prioritisation of sites for detailed onsite investigations.

Risk assessment will be carried out using the risk-based site scoring system in Table 3 below – this is taken directly from HD 28/15 (Table A.7.1, Annex 7) with the only deviation being the texture score. Although HD 28/15 has been superseded by CS 228 the risk-based scoring system below is still relevant and in line with Code of Practice. Table 3 must be used in conjunction with the accompanying guidance notes. Table 4 provides an initial guideline for determining the likely impact of a crash based on the applicable Site Category, for use in the risk assessment.

Other factors which relate to risk such as speed limit, road classification and traffic levels are considered when defining Site Categories and IL's, as detailed in the corresponding sections above.

*Table 3: Risk-based site scoring system*

| **Scores and Criteria** | | | | | |
|---|---|---|---|---|---|
| **Number of crashes[1]** | 0 | 1 | 2 | 3+ | |
| Score | 0 | 4 | 8 | 12 | |
| **Likely impact of a crash[2]** | Slight | Slight/serious | Serious | Serious/fatal | |
| Score | 1 | 2 | 3 | 4 | |
| **Skid resistance Difference (SD)[3]** | >0 | ≤0 and >-0.05 | ≤-0.05 and >-0.10 | ≤-0.10 and >-0.15 | ≤-0.15 |
| Score | 0 | 1 | 3 | 6 | 12 |

*[1] This refers to the total number of personal injury crashes. Wet and wet skid crash counts are not considered separately here and should be investigated during the detailed investigation of the site. To account for possible inaccuracies in the recording of collision locations, analysis will extend over a length of road extending 100m in*

*each direction from recorded collision locations. All road traffic collision incident data will be validated before being used in analysis to ensure there is no duplication.*

*[2] The likely impact of a crash shall be assessed on an individual site basis where required. Guidance is provided in Table 4 below.*

*[3] SD = CSC – IL. Where the site has multiple SD values the lowest value should be used*

*Table 4: Indicative likely impact of a crash by Site Category*

| Site Category Code & Description | | Likely impact of a crash |
|---|---|---|
| B | Non-event carriageway with one-way traffic | Slight |
| C | Non-event carriageway with two-way traffic | Serious/fatal |
| Q | Approaches to and across minor and major junctions. Approaches to roundabouts and traffic signals. | Serious/fatal |
| K | Approaches to pedestrian crossings and other high-risk situations. | Serious/fatal |
| R | Roundabouts | Slight |
| G1 | Gradient of 5-10% longer than 50m | Slight/serious |
| G2 | Gradient of >10% longer than 50m | Serious |
| S1 | Bend radius <500m – carriageway with one-way traffic | Slight |
| S2 | Bend radius <500m – carriageway with two-way traffic | Serious/fatal |

*Note: the likely crash impacts given in this table are indicative only. Where the characteristics of an individual site warrant it, a specific assessment of likely crash impact should be undertaken.*

Following this initial risk assessment, sites will be ranked in order of descending risk. Detailed site investigations will be carried out at all sites with a risk score of 18 or greater, as determined by the system set out in 5.1. This threshold is higher than that set out in HD 28/15 for mandatory detailed site investigations (HD 28/15 threshold = 6). The increased threshold is to account for the more limited resources of a local authority (as compared to National Highways) while still balancing safety risks, and was determined by assessing various scenarios using potential combinations of the criteria in

Table 3. For example, a site with a “serious/fatal” likely crash impact and a skid resistance difference of between -0.10 and -0.15 would be assigned a risk rating of 10, i.e.: over the upper threshold of 9.

All other sites flagged for potential investigation (i.e. with risk scores between 18-23) should undergo detailed site investigations on a risk-prioritised basis, as far as resources will allow, in descending order of risk-ranking, i.e. higher risk sites have a higher priority for investigation.

## 5.2 Detailed Site Investigations

All sites selected for detailed investigations following the initial risk assessment process as described above in 5.1 will be passed on to the person(s) responsible for coordinating these investigations. A schedule of investigations will be planned out in such a way as to undertake the work in as timely and efficient a manner possible – investigations should be carried out according to initial risk assessment:

- High risk (24): high-priority site investigation, to be carried out as soon as possible following initial risk assessment
- Medium risk (18): investigate on a risk-prioritised basis, as resources allow, as soon as is reasonably practical following initial risk assessment
- Low risk (3): no further investigation required

Site investigations must be undertaken by a competent person in highway maintenance, using the Site Investigation Form in B (designed with reference to CS 228), and referring to the detailed guidance notes.

Prior to going on site, the investigator should gather all relevant information as far as is practical, and pre-fill the Site Investigation form where possible. The following list provides a guide for information to be gathered prior to going on site:

- ***Location/referencing***: road number and/or name, section reference, site ID, chainages, coordinates, etc.
- ***Site attributes***: layout, design, particular features, speed limit, gradient, etc. If possible a map and/or a design drawing of the site should be obtained. Current Site Category and IL should be recorded.
- ***Condition data***: skid resistance data (CSC and differential vs. IL) are necessary as a minimum.
- ***Crash data***: limit the investigation to the past 3 years of available data. Number of crashes, with subtotals for wet and/or wet-skid crashes, and detailed crash causes if available.

Benchmark crash data for the site against crash data for the route the site forms a part of, and relevant national data, where available.

- ***Risk model information***: the risk matrix information will identify the scores given to the site to highlight why the site has been identified.
- ***Traffic data***: where available, traffic flow volume data will be useful (even more so if there is any indication as to the types of vehicle using the site).

Site investigations may be carried out on foot or from a vehicle – the decision shall be made based on factors such as assessed site skid risk, resources and/or time available, health and safety risks to inspectors, and prior knowledge of the site. In general, it is preferable for the investigator to walk the site in order to get the most detailed results, especially if skid risk is high.

In rare circumstances, detailed site investigations may be carried out without physically going on site, however this must be robustly justified – for example, due to health and safety risks. In these cases, the investigator should use (recent) photos/videos of the site wherever possible.

The Health and Safety of personnel conducting site investigations, maintenance operatives and other road users is paramount. As such, site investigations shall be undertaken in a manner that minimises risk to these groups. Health and safety risks should be managed in accordance with the Council's usual procedures.

During on-site investigations, the investigator(s) should take photos to illustrate/record key information where relevant, and include these in the investigation report. A camera with geo-referencing should be used when possible.

As a result of the investigation, remedial actions to address skid resistance risk at the site may be recommended by the investigator(s). These will be clearly noted on the Site Investigation form, and addressed according to the approach set out in the following section (6).

Post-investigation, an investigation report for each site shall be produced including:

- Site investigation form (see Appendix 2), completed by the investigator and signed off by the appropriate person
- Digital copies of relevant photos taken at the scene
- Any other documentation/information deemed relevant

Records of all site investigations and ensuing reports (including additional data/documentation) will be retained for five years.

## 5.3 Outcomes of Site Investigations

Site investigations may result in the need for various actions. These may include actions to reduce skid resistance risk (e.g.: pavement works, improving signage, etc.) – these are covered in section 6.

The inspector may also recommend changes to the site IL and/or risk rating (as per 5.1) based on risk factors observed at the site. In these cases, a review will be undertaken, considering the site investigation report and inspector recommendations, to determine whether the site IL and/or risk rating should be changed, and to what value(s).

Site investigations may also result in an outcome of "no action required". These sites should be picked up by the process in the following year since they will have SD ≤0 – in this way their skid risk will be continually monitored.

All such reviews will be documented and records maintained. Where the site risk rating is changed following any review, this post-investigation risk rating will be applied for the purposes of determining the priority of remedial actions, as described in section 6. Note that a change to the IL may affect site risk rating whether/not the risk rating is changed directly.

All site investigation outcomes will be reviewed and approved by a suitably qualified and experienced person – this person will sign off the investigation form.

# 6. Remedial Actions to Reduce Skid Risk

## 6.1 Road Surface Condition Improvement

If, following detailed site investigation, the condition of the road surface is considered to be a contributory factor to unacceptable skid resistance at the site, it may be necessary to plan works to remedy this. These works will generally fall into one of three categories:

- Surface treatment – including retexturing which uses high pressure water or ball bearing to strip excessive binder, or to re-abbraise the aggregate.
- Surface improvement: involving the addition of a thin surface layer (including a high friction surface or surface dressing) on top of the existing pavement surface
- Resurfacing: involving the removal of surface/binder course material to a given depth and laying new material

The type of treatment (and extent, depth, etc.) will be decided by suitably qualified and experienced personnel, taking into consideration any recommendations from the site investigator(s). Scheme design is not covered in this document. Scheme design will follow all the usually applicable Council processes, and conform to all applicable standards and guidance.

The programming and prioritisation of remedial works will be risk-based (using post-investigation site risk scores) as follows:

- High risk (24 +): High priority implementation. Any necessary remedial works to be added to the current/next network maintenance works programme as high-priority schemes
- Medium risk (18-23): Implement as soon as reasonably practical, as far as resources will allow
- Low risk (0-17): Implement only if/when resources allow, and only if cost-effective as part of a wider programme

Subject to the conditions above, works will be prioritised where necessary in order of descending skid risk in accordance with their post-investigation risk score.

Works will be programmed in as part of the usual works programming processes – this will allow potential efficiencies to be identified where synergies are available between works to improve skid resistance and general maintenance works to improve road condition.

## 6.2 Non-Invasive Remedial Actions

In addition to/as an alternative to pavement condition improvement, several non-invasive options for reducing skid risk may be recommended following site investigation. These include:

- Signage: removing redundant/confusing signs, cleaning/replacing signs, etc.
- Road markings: removing redundant/confusing markings, renewing markings, etc.
- Driver visibility: cutting back/removing vegetation, removing street clutter, etc.
- Road cleansing: removal of debris, sweeping, etc.

Where such actions are recommended in a Site Investigation report, they should be implemented according to the post-investigation risk rating:

- High risk (24+): Implement with high priority
- Medium risk (18-23): Implement as soon as reasonably practical, as far as resources will allow
- Low risk (0-17): Implement only if/when resources allow, and preferably as part of a wider programme

Actions can be prioritised within categories by descending risk rating where necessary.

## 6.3 Use of Warning Signs

“Slippery road” warning signs shall be installed at all sites for which the site investigation identified a need for treatment to improve skid resistance. The urgency of installing warning signs will depend on the site’s post-investigation risk rating:

- High risk (24+): to be installed at identified locations as a matter of urgency following site investigation
- Medium risk (18-23): to be installed at identified locations as soon as is reasonably practical following site investigation
- Low risk (0-17): none required

If necessary to prioritise sign installation, this should be done on the basis of decreasing site risk, assessed according to 5.1.

Once the location of sites requiring warning signs has been identified, a schedule for installation shall be produced. While drawing up the schedule, the skid resistance at the location of all currently installed slippery road warning signs shall be reviewed to determine whether signs are still needed.

This review should occur at least annually. Once completed the schedule for warning signs shall be updated to also include currently installed signs which require removal.

The Slippery Roads warning sign (Diagram 557, see example at right) in conjunction with an appropriate supplementary plate (Diagram 570) will be used in accordance with the Traffic Signs Regulations and General Directions, and Chapter 4 of the Traffic Signs Manual.

Note that slippery road warning signs shall not be used in connection with newly-laid asphalt road surfacing materials (see CS 228 section 7).

Warning signs shall be removed as soon as reasonably practical after treatment has been applied and maintenance engineers are satisfied that skid resistance levels are acceptable. A visual inspection of sites shall be made after signs are installed/removed to confirm that they have been correctly installed/removed, and a record of these inspections shall be made and retained.

An inventory of all slippery road signs installed/removed as part of this process shall be recorded and retained. This inventory will include details of sign locations, date of installation/removal, and details of related works orders.

# Appendices

# Appendix 1 Explaining Skid Resistance

Skid resistance is a measure of the frictional properties between the tyre of a moving vehicle and the road surface which directly affect the ability of a driver to slow / stop the vehicle. As such, it is a key component of road safety.

The skid resistance of a surface decreases over time due to the effects of traffic and weathering. Routine monitoring of skid resistance is carried out annually across the network using a Sideways-force Coefficient Routine Investigation Machine (SCRIM) to provide an average deficiency measurement known as the Characteristic Skid Coefficient (CSC), and combined with other data to determine areas for further investigation and potential treatment.

Dry, clean road surfaces achieve a high and generally consistent skid resistant level whereas the same surface when wet or damp can produce a significantly lower skid resistance level. For this reason, measurements of skid resistance are made on wetted road surfaces.

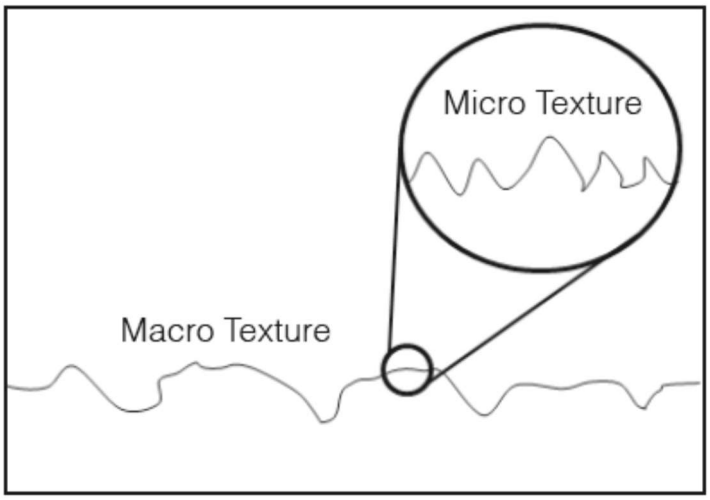
Wearing of road surface materials caused by weathering and commercial vehicle damage can significantly reduce skid resistance performance when the road is wet or even damp. By managing the risk of skidding accidents in wet conditions we equalise the risk across the road network. This is achieved by providing a level of skid resistance to a section of road based on a risk analysis using accident records, road layout and engineering experience.

Research by TRL demonstrates that the risk of a wet-road skidding accident increases as skid resistance decreases. However, the secondary nature of skid resistance as an accident factor means that the relationship between skid resistance and accident risk is not a precise one.

## Road Surface Parameters

The level of skid resistance is dependent on two road surface parameters: the micro-texture, which is the surface roughness of the aggregate in the road; and the macro-texture, which is the surface texture as shown in Figure A.1 below.

*Figure A.1: Macro- and micro-texture of a road surface*




Micro-texture is the main contributor to skid resistance at low speeds of less than 50 km/h (30mph) whilst macro-texture generates friction by deforming the tyre and providing a drainage route between tyre and road surface helping to prevent aquaplaning. Macro-texture is a more important factor for wet skidding resistance at speeds of greater than 65 km/h (40 mph).

## Seasonal Variation of Skid Resistance

Skid resistance fluctuates through seasonal weathering and polishing cycles. During the winter period – defined here as October to March – the roads are often wet, and gritty road detritus roughens the micro-texture, causing the skid resistance to rise. In the summer period – defined here as April to September – the roads are generally dry and road detritus is mainly dusty, so the road surface becomes polished and the skid resistance falls. In practice, the minimum skid resistance will vary from year to year and within year depending on weather conditions.

The Single Annual Skid Survey (SASS) approach to skid resistance measurement, as detailed in CS 228, has been developed to allow for this seasonal variation in skid resistance.

## Relationship to Accident Risk

Within normal ranges, low skid resistance may be a significant contributory factor to collisions. The level of skid resistance, even on a polished surface, will generally be adequate to achieve normal acceleration, deceleration and cornering manoeuvres on sound surfaces that are wet, but free from other contamination. However, higher skid resistance can allow manoeuvres that demand higher

friction to be completed, e.g. to shorten stopping distance or to turn sharp corners. Higher skid resistance can therefore reduce accidents in cases where drivers need to complete a more demanding manoeuvre in order to avoid an accident.

Accident analysis reveals that there are relationships between measured skid resistance and accident risk. These relationships are not precise – the influence of skid resistance on accident risk is significantly different for roads with different characteristics. For this reason, site categories have been defined to group roads with similar characteristics.

For some site categories, the relationship between accident and skid resistance is tenuous. For other site categories progressively more accidents are observed as the skid resistance falls. For these categories there are clear benefits in maintaining a higher level of skid resistance. The ranges of Investigatory Levels (i.e.: acceptable minimum skid resistance) applied to each site category reflect this variation in skid resistance risk.

Additionally, not all sites within a single category are equivalent in terms of their accident risk. Judgement of the relative accident risk and appropriate level of skid resistance for different sites within the same category forms a key part of the effective operation of this strategy. Guidance in determining SCs and allocating ILs is provided on pages 10-**Error! Bookmark not defined.** of this document.

# Appendix 2 Site Investigation Form

*Based on the template from CS228, Annex 6.*

*This form is designed to be completed electronically*

*Relevant photos should be taken during the site investigation to accompany the information to be provided in this form – make reference to photos where relevant.*

| | | | | |
|---|---|---|---|---|
| ***1. General*** | | | | |
| ***Date:*** | | ***Inspected by:*** | | |
| ***Weather at the time of visit:*** | | | | |
| ***Reason for Visit:*** | | | | |
| ***Dates of any previous visits:*** | | | | |
| ***2. Site Details*** | | | | |
| ***Road Class*** | | | | |
| ***Road Name*** | | | | |
| ***SCRIM Risk Model*** | | | | |
| ***SCRIM Score*** | | | | |
| ***Site Category Code*** | ***CSC*** | ***SIL*** | ***SCRIM Difference*** | ***SCRIM Difference Score*** |
| | | | | |
| ***Accident Count*** | ***Accident Score*** | ***Likely Crash Impact Score*** | | |
| | | | | |
| | | | | |

| | |
|---|---|
| ***Have any layout changes been made to the site since investigatory level was assigned?*** | |
| ***3. Visual Assessment*** | |
| ***Surfacing type:*** | |
| ***Surface condition/texture:*** | |
| ***Presence of debris or other contamination:*** | |
| ***Local defects (potholes, fatting up etc):*** | |
| ***Is the drainage adequate:*** | |
| ***Are there any issues with surface profile:*** | |
| ***4. Road Users*** | |
| ***Volume and type of traffic:*** | |
| ***Traffic speeds in relation to road layout:*** | |
| ***Evidence of crash damage:*** | |
| ***5. Road Layout*** | |
| ***Is the layout appropriate for vulnerable road users:*** | |
| ***Are junctions appropriate for turning manoeuvres:*** | |

| | | | | |
|---|---|---|---|---|
| ***6. Marking Signs and Visibility*** | | | | |
| ***Are traffic signals, signals, road markings in good condition and clearly visible:*** | | | | |
| ***Clear sight lines/visibility of queues/ vegetation:*** | | | | |
| ***7. Additional Information*** | | | | |
| | | | | |
| ***8. Recommendation*** | | | | |
| ***Is treatment required:*** | | | | |
| ***Review IL:*** | | | | |
| ***What type of treatment:*** | | | | |
| ***Review routine maintenance:*** | | | | |
| ***Other action required:*** | | | | |
| ***9. Approval*** | | | | |
| ***Print Name:*** | ***Signature:*** | ***Date:*** | ***Approved by:*** | ***Date:*** |
| | | | | |

## Glossary of Acronyms

| | |
|---|---|
| **ADEPT** | Association of Directors of Environment, Economy, Planning & Transport |
| **BS** | British Standard |
| **CS** | CS228 Skidding Resistance |
| **CSC** | Characteristic Skid Coefficient: an estimate of the skid resistance accounting for the effects of seasonal variation. |
| **DMRB** | The Design Manual for Roads and Bridges |
| **HD28** | DMRB 7.3.1: Skidding Resistance. (Superseded by CS 228) |
| **IL** | Investigatory Level: pre-defined limit of minimum acceptable skid resistance, applied to specific sites. |
| **SASS** | Single Annual Skid Survey: a method of programming SCRIM surveys and processing their results to account for seasonal variations of skid resistance. |
| **SC** | Site Category: categorisation of a site on the SCRIM network based on the characteristics of that site in relation to wet-skidding incident risk. |
| **SCRIM** | Sideways-force Coefficient Routine Investigation Machine, used to perform skid resistance surveys. |
| **TRL** | Transport Research Laboratory |
| **UKPMS** | United Kingdom Pavement Management System (the UK national standard for pavement management systems) |

## References

| | |
|---|---|
| **The Design Manual for Roads and Bridges** | Department For Transport<br>www.gov.uk/guidance/standards-for-highways-online-resources#the-design-manual-for-roads-and-bridges |
| **HD28 on Skidding Resistance (superseded by CS 228)** | Department for Transport<br>http://www.standardsforhighways.co.uk/ha/standards/dmrb/vol7/section3.htm |
| **CS 228 Skidding Resistance** | Department for Transport<br>https://www.standardsforhighways.co.uk/prod/attachments/50d43081-9726-41e8-9835-9cd55760ad9e?inline=true |
| **Well-Managed Highway Infrastructure** | Roads Liaison Group<br>http://www.ukroadsliaisongroup.org/en/codes/index.cfm |
| **Horses and Highway Surfaces** | British Horse Society/ADEPT (formerly County Surveyors Society)<br>https://www.bhs.org.uk/advice-and-information/common-incidents/riding-on-the-road/slippery-roads |
| **Guidelines for Motorcycling** | Institute of Highway Engineers<br>http://www.motorcycleguidelines.org.uk/the-guidelines/3-0-road-design-traffic-engineering/3-4-road-design/ |

| | |
|---|---|
| **Traffic Signs Regulations and General Directions** | Department for Transport<br>https://www.gov.uk/government/collections/traffic-signs-signals-and-road-markings |

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**Place and Resources Overview Committee – DRAFT Forward Plan**

| Title | Description | Date of committee meeting | Requested by | Report author | Portfolio Holder | Other meetings? (CLT / SLT / Cabinet) |
|---|---|---|---|---|---|---|
| Dorset Highways Skidding Resistance Strategy Review 2021 | Review of Dorset Highways Skidding Resistance Strategy in response to national guidance. To set out how manage skid resistance and identify & prioritise sites for investigation & remedial works | 16 December 2021 | Mike Hansford – Highways Assets Manager | Mike Hansford – Highways Assets Manager | Cllr Ray Bryan – Portfolio Holder for Highways, Travel & Environment | |
| Anti-social Behaviour Public Spaces Protection Orders (PSPOs) | A review of the existing Anti-social Behaviour PSPOs for Weymouth & Portland, Dorchester, Bridport, West Bay and Lyme Regis as well as supplementary orders to tackle anti-social behaviour in additional areas as identified by the Community Safety Team in consultation with the Police | 10 February 2022 | John Newcombe - Service Manager for Licensing & Community Safety | John Newcombe - Service Manager for Licensing & Community Safety | Cllr Laura Miller – Portfolio Holder for Customer & Community Services<br><br>Cllr Graham Carr-Jones – Housing & Community Safety | 1 March 2022 |

| Title | Description | Date of committee meeting | Requested by | Report author | Portfolio Holder | Other meetings? (CLT / SLT / Cabinet) |
|---|---|---|---|---|---|---|
| Review of the Highways Asset Management Plan<br><br>Exempt | To review the Highways Asset Management Plan | 10 February 2022 | Mike Hansford – Highways Assets Manager | Jack Wiltshire – Head of Highways | Cllr Ray Bryan – Portfolio Holder for Highways, Travel & Environment | Cabinet – 1 March 2022 |
| QE Leisure Centre Future Management<br><br>Part Exempt | Feedback on the recent consultation of QE Leisure Centre & the Council's consideration to its ongoing role in the management arrangements at the centre | 10 February 2022 | Paul Rutter – Service Manager for Leisure Services | Paul Rutter – Service Manager for Leisure Services | Cllr Laura Miller – Portfolio Holder for Customer & Community Services | Cabinet – 1 March 2022 |
| Air Quality Action Plan Consultation Report | A report summarising the findings from the Air Quality Action Plan Consultation together with an attached draft Air Quality Action Plan | 21 April 2022 | Janet Moore – Service Manager Environmental Protection | Janet Moore – Service Manager Environmental Protection<br><br>Coralie McGowan – Environmental Protection Team Leader | Cllr Laura Miller – Portfolio Holder for Customer & Community Services | Cabinet – 17 May 2022 |

# The Cabinet Forward Plan - January 2022 to April 2022 (Publication date 16 December 2022)
# For the period 1 DECEMBER 2021 to 31 MARCH 2022

**Explanatory Note:**

This Forward Plan contains future items to be considered by the Cabinet and Council. It is published 28 days before the next meeting of the Committee. The plan includes items for the meeting including key decisions. Each item shows if it is 'open' to the public or to be considered in a private part of the meeting.

**Definition of Key Decisions**

Key decisions are defined in Dorset Council's Constitution as decisions of the Cabinet which are likely to -

a) to result in the relevant local authority incurring expenditure which is, or the making of savings which are, significant having regard to the relevant local authority's budget for the service or function to which the decision relates (***Thresholds - £500k***); or

b) to be significant in terms of its effects on communities living or working in an area comprising two or more wards or electoral divisions in the area of the relevant local authority."

In determining the meaning of *"significant"* for these purposes the Council will have regard to any guidance issued by the Secretary of State in accordance with section 9Q of the Local Government Act 2000 Act. Officers will consult with lead members to determine significance and sensitivity.

**Cabinet Portfolio Holders 2021/22**

| | |
|---|---|
| **Spencer Flower** | Leader / Governance, Performance and Communications |
| **Peter Wharf** | Deputy Leader / Adult Social Care and Health |
| **Gary Suttle** | Finance, Commercial and Capital Strategy |
| **Ray Bryan** | Highways, Travel and Environment |
| **Graham Carr-Jones** | Housing and Community Safety |
| **Jill Haynes** | Corporate Development and Transformation |
| **Laura Miller** | Customer and Community Services |
| **Andrew Parry** | Children, Education, Skills and Early Help |
| **Tony Ferrari** | Economic Growth, Assets & Property |
| **David Walsh** | Planning |

| Subject / Decision | Decision Maker | Date the Decision is Due | Other Committee(s) consulted and Date of meeting(s) | Portfolio Holder | Officer Contact |
|---|---|---|---|---|---|
| **January 2022** | | | | | |
| **Quarter 3 Financial Management Report**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>To consider the Council's revenue budget position at the end of Q3 and the changes since Q2 | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**18 Jan 2022** | | Portfolio Holder for Finance, Commercial and Capital Strategy | *Jim McManus, Corporate Director - Finance and Commercial*<br>*J.McManus@dorsetcc.gov.uk*<br>*Executive Director, Corporate Development - Section 151 Officer (Aidan Dunn)* |
| **Quarter 3 Council Plan Monitoring Report**<br><br>**Key Decision** - No<br>**Public Access** - **Open**<br><br>A quarterly report on the delivery of the council's plan | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**18 Jan 2022** | | Portfolio Holder for Corporate Development and Transformation | *Bridget Downton, Head of Chief Executive's Office*<br>*bridget.downton@dorsetcouncil.gov.uk*<br>*Chief Executive (Matt Prosser)* |
| **Budget Strategy Report**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>The Council is required to set a balanced revenue budget, and to approve a level of council tax as an integral part of this. | **Decision Maker**<br>**Dorset Council** | **Decision Date**<br>**15 Feb 2022** | Cabinet<br>18 Jan 2022<br><br>Place and Resources Scrutiny Committee<br>10 Dec 2021<br><br>People and Health Scrutiny Committee<br>10 Dec 2021 | Portfolio Holder for Finance, Commercial and Capital Strategy | *Jim McManus, Corporate Director - Finance and Commercial*<br>*J.McManus@dorsetcc.gov.uk*<br>*Corporate Director, Legal and Democratic Services - Monitoring Officer (Jonathan Mair)* |

| Subject / Decision | Decision Maker | Date the Decision is Due | Other Committee(s) consulted and Date of meeting(s) | Portfolio Holder | Officer Contact |
|---|---|---|---|---|---|
| **"ROC" Reducing Repeat Removals of Children into Care Project Procurement Approval**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>To seek procurement approval and delegations. | **Decision Maker Cabinet** | **Decision Date 18 Jan 2022** | | Deputy Leader and Portfolio Holder for Adult Social Care and Health, Portfolio Holder for Children, Education, Skills and Early Help | *Sam Crowe, Director of Public Health s.crowe@dorsetcc.gov.uk, Executive Director, People - Children*<br>*Executive Director, People - Children (Theresa Leavy)* |
| **Revised Inter Authority Agreement for Joint Archives Service**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>The item is subject to internal governance at BCP Council and may be delayed if unable to progress in time for cut off dates at Dorset Council. | **Decision Maker Cabinet** | **Decision Date 18 Jan 2022** | | Portfolio Holder for Customer and Community Services | *Lisa Cotton, Head of Customer Services, Libraries & Archives lisa.cotton@dorsetcouncil.gov.uk*<br>*Executive Director, Place (John Sellgren), Corporate Director, Legal and Democratic Services - Monitoring Officer (Jonathan Mair)* |
| **Educational Alternative Provision tender for implementation from September 2022**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>The current Alternative Provision framework is due for renewal. A new Alternative Provision delivery model for educational provision will be required from September 2022 and we will go out to tender if this is approved by Cabinet. | **Decision Maker Cabinet** | **Decision Date 18 Jan 2022** | | Portfolio Holder for Children, Education, Skills and Early Help | *Stuart Riddle, Senior Manager Stuart.Riddle@dorsetcouncil.gov.uk, Kim Saint, Project Officer kim.l.saint@dorsetcc.gov.uk*<br>*Executive Director, People - Children (Theresa Leavy)* |

| Subject / Decision | Decision Maker | Date the Decision is Due | Other Committee(s) consulted and Date of meeting(s) | Portfolio Holder | Officer Contact |
|---|---|---|---|---|---|
| **March** | | | | | |
| **Annual Self Evaluation of Children's Services**<br>**Key Decision** - Yes<br>**Public Access – Open**<br><br>To receive the annual self-evaluation report. | **Decision Maker Cabinet** | **Decision Date 1 Mar 2022** | | Portfolio Holder for Children, Education, Skills and Early Help | *Claire Shiels, Corporate Director - Commissioning, Quality & Partnerships*<br>*claire.shiels@dorsetcouncil.gov.uk*<br>*Executive Director, People - Children (Theresa Leavy)* |
| **Anti-social Behaviour Public Space Protection Orders**<br>**Key Decision** - Yes<br>**Public Access** - **Open**<br>A review of the existing Anti-social Behaviour Public Spaces Protection Orders for Weymouth & Portland, Dorchester, Bridport, West Bay and Lyme Regis as well as consideration of supplementary orders to tackle antisocial behaviour is additional areas as identified by the Community Safety Team in consultation with the Police. | **Decision Maker Cabinet** | **Decision Date 1 Mar 2022** | Place and Resources Overview Committee<br>10 Feb 2022 | Portfolio Holder for Customer and Community Services, Portfolio Holder for Housing and Community Safety | *John Newcombe, Service Manager, Licensing & Community Safety*<br>*john.newcombe@dorsetcouncil.gov.uk*<br>*Executive Director, Place (John Sellgren)* |
| **Procurement Forward Plan Report - over £500K (2022-23)**<br>**Key Decision** - Yes<br>**Public Access** - **Open**<br>Cabinet is required to approve all key decisions with financial consequences of £500k or more. This report provides a list of anticipated procurement activity for the period 2022-23. | **Decision Maker Cabinet** | **Decision Date 1 Mar 2022** | | Portfolio Holder for Finance, Commercial and Capital Strategy | *Dawn Adams, Service Manager for Commercial and Procurement*<br>*dawn.adams@dorsetcouncil.gov.uk*<br>*Executive Director, Corporate Development - Section 151 Officer (Aidan Dunn)* |

| Subject / Decision | Decision Maker | Date the Decision is Due | Other Committee(s) consulted and Date of meeting(s) | Portfolio Holder | Officer Contact |
|---|---|---|---|---|---|
| **Review of the Highways Asset Management Plan**<br><br>**Key Decision** - Yes<br>**Public Access** - **Fully exempt**<br><br>To review the Highways Asset Management Plan | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**1 Mar 2022** | Place and Resources Overview Committee<br>10 Feb 2022 | Portfolio Holder for Highways, Travel and Environment | *Jack Wiltshire, Head of Highways*<br>*jack.wiltshire@dorsetcouncil.gov.uk*<br>*Executive Director, Place (John Sellgren)* |
| **QE Leisure Centre Future Management**<br><br>**Key Decision** - Yes<br>**Public Access** - **Part exempt**<br><br>Feedback on the recent consultation of QE Leisure Centre and the Council's consideration to its ongoing role in the management arrangements at the centre. | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**1 Mar 2022** | Place and Resources Overview Committee<br>10 Feb 2022 | Portfolio Holder for Customer and Community Services | *Paul Rutter, Service Manager for Leisure Services*<br>*paul.rutter@dorsetcouncil.gov.uk*<br>*Executive Director, Place (John Sellgren)* |
| **Adult Social Care - Future Services**<br><br>**Key Decision** - Yes<br>**Public Access** - **Fully exempt**<br>To seek a decision on the provision of future services for Adult Social Care. | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**1 Mar 2022** | | Deputy Leader and Portfolio Holder for Adult Social Care and Health | *Lesley Hutchinson, Corporate Director for Adults Commissioning*<br>*Lesley.Hutchinson@dorsetcc.gov.uk*<br>*Executive Director, People - Adults* |
| **April** | | | | | |
| **Quarter 4 Council Plan Monitoring Report**<br>**Key Decision** - No<br>**Public Access** - **Open**<br>A quarterly report on the delivery of the council's plan | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**5 Apr 2022** | | Portfolio Holder for Corporate Development and Transformation | *Bridget Downton, Head of Chief Executive's Office*<br>*bridget.downton@dorsetcouncil.gov.uk*<br>*Chief Executive (Matt Prosser)* |

| Subject / Decision | Decision Maker | Date the Decision is Due | Other Committee(s) consulted and Date of meeting(s) | Portfolio Holder | Officer Contact |
|---|---|---|---|---|---|
| **May** | | | | | |
| **Dorset Council Air Quality Action Plan**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>A report summarising the findings from the Air Quality Action Plan Consultation together with an attached draft Air Quality Action Plan. | **Decision Maker**<br>**Cabinet** | **Decision Date**<br>**17 May 2022** | Place and Resources Overview Committee<br>21 Apr 2022 | Portfolio Holder for Customer and Community Services | *Janet Moore, Environmental Health Team Leader and Health Projects Manager*<br>*Janet.Moore@dorsetcouncil.gov.uk*<br>*Executive Director, Place (John Sellgren)* |
| **June** | | | | | |
| **Finance report - outturn 2021/2022**<br><br>**Key Decision** - Yes<br>**Public Access** - **Open**<br><br>To consider the Council's performance against its revenue budget in 2021/22 and the impact this has upon reserves, including the general fund. | **Decision Maker**<br>**Cabinet** | **Decision Date** | | Portfolio Holder for Finance, Commercial and Capital Strategy | *Jim McManus, Corporate Director - Finance and Commercial*<br>*J.McManus@dorsetcc.gov.uk*<br>*Executive Director, Corporate Development - Section 151 Officer (Aidan Dunn)* |

**Private/Exempt Items for Decision**
Each item in the plan above marked as 'private' will refer to one of the following paragraphs.

1. Information relating to any individual.
2. Information which is likely to reveal the identity of an individual.
3. Information relating to the financial or business affairs of any particular person (including the authority holding that information).
4. Information relating to any consultations or negotiations, or contemplated consultations or negotiations, in connection with any labour relations matter arising between the authority or a Minister of the Crown and employees of, or office holders under, the authority.
5. Information in respect of which a claim to legal professional privilege could be maintained in legal proceedings.
6. Information which reveals that the shadow council proposes:-
   (a) to give under any enactment a notice under or by virtue of which requirements are imposed on a person; or
   (b) to make an order or direction under any enactment.
7. Information relating to any action taken or to be taken in connection with the prevention, investigation or prosecution of crime.

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