

COSVR716 - SQA Unit Code F3HG 04

Plan highways maintenance or repair activities



Overview

This standard is about

- 1 implementing highways maintenance or repair requirements
- 2 prioritising maintenance or repair activities
- 3 identifying and scheduling further maintenance and repair requirements with decision-makers

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Performance criteria

- You must be able to:*
- P1 confirm the work requirements
 - P2 identify and review influencing factors and guidance material about the work environment
 - P3 prioritise maintenance activities by assessing and accounting for all the influencing factors
 - P4 amend priorities to take account of changing circumstances whilst maintaining consistency with the influencing factors
 - P5 prepare plans or schedules of maintenance activities and negotiate and agree them with decision makers

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Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Confirm work requirements

- K1 how to confirm work requirements for **highways** and its **maintenance** or **repair**
- K2 who to consult to confirm work requirements

Performance Criteria 2

Identify and review influencing factors and guidance materials

You need to know and understand:

- K3 how to identify and review **influencing factors**
- K4 how to identify and review **guidance materials**

Performance Criteria 3

Prioritise maintenance activities

You need to know and understand:

- K5 how to assess and account for **influencing factors**
- K6 how to prioritise **maintenance activities**

Performance Criteria 4

Amend priorities for changing circumstances

You need to know and understand:

- K7 how to account for **changing circumstances**
- K8 how to amend priorities when reviewing **influencing factors**

Performance Criteria 5

Prepare plans or schedules

You need to know and understand:

- K9 how to prepare plans or schedules for **maintenance activities**
- K10 how to negotiate and agree plans and schedules with decision-makers

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Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 records of confirming at least two of the following maintenance activities and at least five of the following repair activities on at least one of the following highways
 - 1.1 maintenance activities: scheduled and preventative; unscheduled and corrective; emergency
 - 1.2 repair activities: structure; surface; materials; markings; fittings; power and light; drainage; telecommunications; special services and equipment; landscaping; traffic controls; fencing
 - 1.3 highways: dual carriageway; single carriageway; carriageway with footway; motorway; cycle way; carriageway with hard shoulder

Performance Criteria 2

- 2 records of consideration for at least three of the following influencing factors
 - 2.1 organisational requirements
 - 2.2 contractual requirements
 - 2.3 statutory requirements
 - 2.4 resource allocation
 - 2.5 working requirements
 - 2.6 environmental considerations
 - 2.7 weather conditions
- 3 records of consultation of at least two of the following guidance materials
 - 3.1 owner's manuals
 - 3.2 log books
 - 3.3 maintenance schedules and manuals
 - 3.4 practice guides and specifications
 - 3.5 current legislation and official guidance

Performance Criteria 3

- 4 records of prioritising activities with consideration for influencing factors

Performance Criteria 4

- 5 records of amended priorities, taking account of at least four of the following changing circumstances
 - 5.1 susceptibility to damage
 - 5.2 safety requirements
 - 5.3 need to inhibit, and respond to deterioration
 - 5.4 compromised operational effectiveness
 - 5.5 weather conditions
 - 5.6 use or change of use
 - 5.7 current legislation
 - 5.8 resources
 - 5.9 security threats

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Performance Criteria 5

- 6 records of plans or schedules for at least three of the following maintenance activities
 - 6.1 regular programmes
 - 6.2 tendered works
 - 6.3 responsive works
 - 6.4 cost estimated works
 - 6.5 winter maintenance
 - 6.6 traffic maintenance (signing, lighting and guarding)

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Scope/range related to knowledge and understanding

Changing circumstances

- 1 susceptibility to damage
- 2 safety requirements
- 3 need to inhibit and respond to deterioration
- 4 compromised operational effectiveness
- 5 weather conditions
- 6 use or change of use
- 7 current legislation
- 8 resources
- 9 security threats

Guidance materials

- 10 owner's manuals
- 11 log books
- 12 maintenance schedules and manuals
- 13 practice guides and specifications
- 14 current legislation and official guidance

highways

- 15 dual carriageway
- 16 single carriageway
- 17 carriageway with footway
- 18 motorway
- 19 cycle way
- 20 carriageway with hard shoulder

Influencing factors

- 22 organisational requirements
- 22 contractual requirements
- 23 statutory requirements
- 24 resource allocation
- 25 working requirements
- 26 environmental considerations
- 27 weather conditions

Maintenance

- 28 scheduled and preventative
- 29 unscheduled and corrective
- 30 emergency

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Developed by	ConstructionSkills
Version number	1
Date approved	October 2007
Indicative review date	July 2015
Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR716
Relevant occupations	Construction and Building Trades Supervisors
Suite	Construction Site Supervision; Construction Site Management
Key words	Highways; Maintenance; Repair; Plan; Prioritise; Scheduled; Preventative; Unscheduled; Corrective; Emergency; Dual; Carriageway; Footway; Motorway; Traffic