

## **Unit 8 Reinstatement of concrete slabs**

This unit covers the requirements that you must meet when reinstating concrete slabs in the highway. **You must ensure that you act in accordance with all current specifications and procedures and that you follow safe working practices at all times when carrying out the activities covered in this unit. The Code of Practice specified in this unit is *Specification for the Reinstatement of Openings in Highways*.**

The unit contains the following five elements, which you must cover:

- 8.1 Prepare sub-base to receive concrete slab
- 8.2 Prepare edges of existing slab to receive concrete reinstatement
- 8.3 Lay mesh reinforcement
- 8.4 Form concrete slab
- 8.5 Dispose of surplus materials

In element 8.1, you will need to prepare the sub-base to receive the concrete slab. This will include removing loose matter from the area to be reinstated, identifying any defects in the sub-base and replacing defective sub-base material with approved sub-base material. When you have compacted the sub-base material, you must also ensure that the finished sub-base level accommodates the correct slab thickness.

In element 8.2, you will need to prepare the edges of the existing slab to receive concrete reinstatement. You must ensure that you saw-cut the edges and rough-cut the unsawn section in accordance with the requirements of the specification, and using the appropriate equipment. Alternatively, you must drill holes for dowel bars according to the specification and cut and position the dowel bars correctly. You will then need to place a slip membrane in position and overlap it.

In element 8.3, you will lay mesh reinforcement, selecting the appropriate reinforcement to match the existing mesh, cutting it to the required size and tying it to the existing mesh.

In element 8.4, you will form the concrete slab, replacing or constructing missing or damaged joints using the appropriate materials, placing concrete to a uniform level and compacting it safely using the appropriate equipment. You must finish the surface to the approved texture, and apply an approved curing membrane before leaving the concrete to cure.

In element 8.5, you will dispose of surplus material. You will need to identify materials that are unsuitable for re-use or are surplus to requirements, and ensure that safe temporary storage is provided for them on site. You must load all materials for disposal safely for transportation, using the appropriate equipment, and you must leave the site in a clean and safe condition.

## Unit 8 Reinstatement of concrete slabs

### Element 8.1 Prepare sub-base to receive concrete slab

Performance criteria	
<p>You must show that:</p> <ul style="list-style-type: none"> <li>a) you remove loose and deleterious matter from the area to be reinstated using the <b>appropriate equipment</b></li> <li>b) you identify any defects in the sub-base</li> <li>c) where sub-base defects are identified, you replace the defective material with approved <b>sub-base material</b></li> <li>d) you select <b>appropriate equipment</b> for compacting the sub-base, ensure that it is fit for purpose, and compact the sub-base material correctly</li> <li>e) you check that the finished sub-base level accommodates the correct slab thickness</li> <li>f) you follow <b>safe working practices</b> for preparing the sub-base to receive the concrete slab, that are in accordance with current relevant <b>specifications and procedures</b></li> </ul>	
Knowledge requirements	Related performance criteria
<p>You need to know:</p> <ul style="list-style-type: none"> <li>1 how to remove loose and deleterious matter from the area to be reinstated</li> <li>2 the potential sub-base defects that you could encounter and how to identify them (including contamination, surplus moisture, inadequate compaction, insufficient or excessive cavity depth and inappropriate camber or shape)</li> <li>3 the range of approved sub-base materials that could be used to replace defective materials</li> <li>4 the correct procedures for replacing defective sub-base materials with approved materials</li> <li>5 how to select compaction equipment for compacting the sub-base and how to ensure that the equipment is fit for purpose</li> <li>6 how to check that the sub-base material is adequately compacted</li> <li>7 how to check that the finished sub-base level accommodates the correct slab thickness</li> <li>8 safe working practices for preparing the sub-base to receive the concrete slab</li> </ul>	<ul style="list-style-type: none"> <li>a</li> <li>b</li> <li>c</li> <li>c</li> <li>d</li> <li>d</li> <li>e</li> <li>all</li> </ul>
Range to be covered	
<ul style="list-style-type: none"> <li>I. You must show that <b>appropriate equipment</b> includes: <ul style="list-style-type: none"> <li>i. appropriate hand tools - including shovel, hand pick, rake and hand rammer</li> <li>ii. appropriate powered compaction equipment - including vibrotamper</li> </ul> </li> <li>II. You must show that <b>sub-base material</b> includes: <ul style="list-style-type: none"> <li>i. granular Type 1 sub-base material</li> <li>ii. category 3 cement bound material (CBM3)</li> <li>iii. alternative reinstatement materials (ARMs)</li> </ul> </li> </ul>	

## Unit 8 Reinstatement of concrete slabs

### Element 8.1 Prepare sub-base to receive concrete slab

#### Range to be covered (contd.)

- III. You must show that **safe working practices** include:
- i. safe use of tools and equipment
  - ii. use of appropriate personal protective equipment, including as necessary:
    - high visibility jacket or waistcoat
    - hard hat
    - ear defenders
    - eye protection visor/goggles
    - dust mask
    - gloves
    - protective footwear
    - waterproof clothing
  - iii. use of risk assessment methods to identify and control any hazards on site
  - iv. precautions to minimise danger or inconvenience to road users
  - v. precautions to minimise danger or inconvenience to site personnel
  - vi. precautions to minimise damage to equipment or apparatus
- IV. You must show that **specifications and procedures** are:
- i. Health and Safety Executive Guidelines (*HSG 185: Health and Safety in Excavations*)
  - ii. Specification for the Reinstatement of Openings in Highways
  - iii. manufacturer's operating procedures for powered equipment

#### Evidence requirements

- Your evidence must cover all the performance criteria, all the knowledge requirements and all the range items listed in this element.
- You must complete the following tasks for a previously reinstated excavation in an actual or simulated carriageway:
  - A. Remove loose and deleterious matter from the area to be reinstated.
  - B. Identify defects in the sub-base.
  - C. Replace defective sub-base material.
  - D. Compact new sub-base material.
  - E. Check the sub-base level depth.

#### Specification of works

- The assessment must take place at a site with physical characteristics that conform to the definition of 'street' at section 48 or 'road' at section 107 of the New Roads and Street Works Act 1991.
- The reinstated excavation must have a minimum area of 1 square metre.

#### Assessment conditions

- The assessment will be undertaken by a qualified assessor, who will observe you preparing the sub-base to receive a concrete slab.
- The site at which you are assessed must conform to the specifications listed above. Real equipment must be used, that complies with the requirements of the Code of Practice.
- Where you provide supplementary evidence of competence from your workplace, which includes a documented observation report, a qualified Street Works operative, supervisor or assessor must provide this.

#### Additional information for candidates and assessors

- The adopted specification for the works should correspond to *Specification for the Reinstatement of Openings in Highways* and *Safety at Street Works and Road Works A Code of Practice* under the New Roads and Street Works Act 1991. The following sections of the Specification provide particular guidance on various items within the performance criteria:

- i. S7.4 Edge support and preparation, including dowel bars and reinforcements
- ii. S10 Compaction requirements
- iii. A2.8 Identification of structural layers
- iv. A9.2 General Requirements for ARMs

## Unit 8 Reinstatement of concrete slabs

### Element 8.2 Prepare edges of existing slab to receive concrete reinstatement

Performance criteria	
<p>You must show that:</p> <ol style="list-style-type: none"> <li>a) you saw-cut the edge of the existing slab in accordance with the specification and using the <b>appropriate equipment</b></li> <li>b) you rough-cut the unsawn section of the exposed edge of the slab to form a taper-edge support, in accordance with the specification and using the <b>appropriate equipment</b></li> <li>c) you drill the unsawn section of the exposed slab edge to provide a sliding fit for dowel bars, in accordance with the specification and using the <b>appropriate equipment</b></li> <li>d) you cut <b>dowel bars</b> to the required length using the <b>appropriate equipment</b> and position them correctly</li> <li>e) you place the slip membrane in position and overlap it</li> <li>f) you prepare (clean and wet) all edges prior to placing the concrete</li> <li>g) you follow <b>safe working practices</b> for preparing the edges of an existing slab to receive concrete reinstatement, that are in accordance with current relevant <b>specifications and procedures</b></li> </ol>	
Knowledge requirements	Related performance criteria
<p>You need to know:</p> <ol style="list-style-type: none"> <li>1 how to saw-cut the edge of an existing slab correctly</li> <li>2 how to rough-cut the unsawn section of the exposed slab edge correctly, to form a taper-edge support</li> <li>3 how to drill the unsawn section of the exposed slab edge correctly, to provide a sliding fit for dowel bars</li> <li>4 the correct diameter of the dowel bars, the required length to which dowel bars must be cut for the excavation, and how to cut and position them correctly</li> <li>5 how to place the slip membrane in position and overlap it</li> <li>6 how to prepare (clean and wet) the edges of the existing slab prior to the placement of concrete</li> <li>7 safe working practices for preparing the edges of an existing slab to receive concrete reinstatement</li> </ol>	<p>a</p> <p>b</p> <p>c</p> <p>d</p> <p>e</p> <p>f</p> <p>all</p>
Range to be covered	
<ol style="list-style-type: none"> <li>I. You must show that <b>appropriate equipment</b> includes: <ol style="list-style-type: none"> <li>i. appropriate hand tools</li> <li>ii. powered concrete cutting equipment</li> <li>iii. powered concrete drill</li> <li>iv. reinforcing bar cutters</li> </ol> </li> <li>II. You must show that the <b>dowel bars</b> are: <ol style="list-style-type: none"> <li>i. steel dowel bars of 20 mm or 25 mm nominal diameter</li> </ol> </li> </ol>	

## Unit 8 Reinstatement of concrete slabs

### Element 8.2 Prepare edges of existing slab to receive concrete reinstatement

#### Range to be covered (contd.)

- III. You must show that **safe working practices** include:
- safe use of tools and equipment
  - use of appropriate personal protective equipment, including as necessary:
    - high visibility jacket or waistcoat
    - hard hat
    - ear defenders
    - eye protection visor/goggles
    - dust mask
    - gloves
    - protective footwear
    - waterproof clothing
  - use of risk assessment methods to identify and control any hazards on site
  - precautions to minimise danger or inconvenience to road users
  - precautions to minimise danger or inconvenience to site personnel
  - precautions to minimise damage to equipment or apparatus
- IV. You must show that **specifications and procedures** are:
- Health and Safety Executive Guidelines (*HSG 185: Health and Safety in Excavations*)
  - Specification for the Reinstatement of Openings in Highways
  - manufacturer's operating procedures for powered equipment

#### Evidence requirements

- Your evidence must cover all the performance criteria, all the knowledge requirements and all the range items listed in this element.
- You must complete the following tasks for a prepared excavation in an actual or simulated rigid carriageway:
  - Saw-cut the edge of the existing slab.
  - Rough-cut the unsawn section of the slab to form a taper-edge support.
  - Cut a regular shape, without under-cutting.
  - Drill holes for dowel bars.
  - Cut dowel bars to required length.
  - Position dowel bars.
  - Place the slip membrane.

#### Specification of works

- The assessment must take place at a site with physical characteristics that conform to the definition of 'street' at section 48 or 'road' at section 107 of the New Roads and Street Works Act 1991.
- The prepared excavation must have a minimum area of 1 square metre.

#### Assessment conditions

- The assessment will be undertaken by a qualified assessor who will observe you preparing the edges of the existing slab to receive the concrete reinstatement.
- The site at which you are assessed must conform to the specifications listed above. Real equipment must be used that complies with the requirements of the Code of Practice.
- Where you provide supplementary evidence of competence from your workplace, which includes a documented observation report, a qualified Street Works operative, supervisor or assessor must provide this.

#### Additional information for candidates and assessors

- The adopted specification for the works should correspond to *Specification for the Reinstatement of Openings in Highways* and Health and Safety Executive Guidelines. The following sections of the Specification provide particular guidance on various items within the performance criteria:
  - S7.3.4 Membrane use under the slab
  - S7.4 Edge Support and Preparation, including edge tapering and dowel bar support and edge preparation
  - NG3.2 This Note for Guidance refers to *HSG 185: Health and Safety in Excavations*, which gives guidance for carrying out excavations.

## Unit 8 Reinstatement of concrete slabs

### Element 8.3 Lay mesh reinforcement

Performance criteria									
<p>You must show that:</p> <ol style="list-style-type: none"> <li>you expose sufficient length of the existing mesh reinforcement</li> <li>you select the <b>mesh reinforcement</b> to match the existing reinforcement</li> <li>you cut the <b>mesh reinforcement</b> to the correct size, including the required overlap, using the <b>appropriate equipment</b></li> <li>you tie or weld the <b>mesh reinforcement</b> securely to the existing reinforcement</li> <li>you follow <b>safe working practices</b> for laying <b>mesh reinforcement</b> that are in accordance with current relevant <b>specifications and procedures</b></li> </ol>									
Knowledge requirements	Related performance criteria								
<p>You need to know:</p> <ol style="list-style-type: none"> <li>the minimum length of existing reinforcement to expose and when to use further trimming</li> <li>the criteria to use when selecting new mesh reinforcement (including selection in relation to the existing reinforcement)</li> <li>the criteria to consider when determining the amount of reinforcement required (including overlap) and how to measure and cut it correctly</li> <li>how to position the new reinforcement and tie or weld it correctly to the existing reinforcement</li> <li>safe working practices for laying mesh reinforcement</li> </ol>	<p>a</p> <p>b</p> <p>c</p> <p>d</p> <p>all</p>								
Range to be covered									
<ol style="list-style-type: none"> <li>You must show that the <b>mesh reinforcement</b> includes:               <ol style="list-style-type: none"> <li>standard weights of mesh reinforcement</li> </ol> </li> <li>You must show that the <b>appropriate equipment</b> for cutting mesh reinforcement includes:               <ol style="list-style-type: none"> <li>wire cutting tools</li> </ol> </li> <li>You must show that <b>safe working practices</b> include:               <ol style="list-style-type: none"> <li>safe use of tools and equipment</li> <li>use of appropriate personal protective equipment, including as necessary:                   <table border="0"> <tr> <td>• high visibility jacket or waistcoat</td> <td>• dust mask</td> </tr> <tr> <td>• hard hat</td> <td>• gloves</td> </tr> <tr> <td>• ear defenders</td> <td>• protective footwear</td> </tr> <tr> <td>• eye protection visor/goggles</td> <td>• waterproof clothing</td> </tr> </table> </li> <li>use of risk assessment methods to identify and control any hazards on site</li> <li>precautions to minimise danger or inconvenience to road users</li> <li>precautions to minimise danger or inconvenience to site personnel</li> <li>precautions to minimise damage to equipment or apparatus</li> </ol> </li> <li>You must show that <b>specifications and procedures</b> are:               <ol style="list-style-type: none"> <li>Health and Safety Executive Guidelines (<i>HSG 185: Health and Safety in Excavations</i>)</li> <li>Specification for the Reinstatement of Openings in Highways</li> </ol> </li> </ol>		• high visibility jacket or waistcoat	• dust mask	• hard hat	• gloves	• ear defenders	• protective footwear	• eye protection visor/goggles	• waterproof clothing
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• eye protection visor/goggles	• waterproof clothing								

## **Unit 8 Reinstatement of concrete slabs**

### **Element 8.3 Lay mesh reinforcement**

#### **Evidence requirements**

- Your evidence must cover all the performance criteria, all the knowledge requirements and all the range items listed in this element.
- You must complete the following tasks for a prepared excavation in an actual or simulated rigid carriageway:
  - A. Select mesh reinforcement.
  - B. Measure and cut the mesh reinforcement.
  - C. Lay mesh reinforcement.
  - D. Tie mesh reinforcement to the existing reinforcement.

#### **Specification of works**

- The assessment must take place at a site with physical characteristics that conform to the definition of 'street' at section 48 or 'road' at section 107 of the New Roads and Street Works Act 1991.
- The prepared excavation must have a minimum area of 1 square metre.

#### **Assessment conditions**

- The assessment will be undertaken by a qualified assessor, who will observe you laying mesh reinforcement.
- The site at which you are assessed must conform to the specifications listed above. Real equipment must be used, that complies with the requirements of the Code of Practice.
- Where you provide supplementary evidence of competence from your workplace, which includes a documented observation report, a qualified Street Works operative, supervisor or assessor must provide this.

#### **Additional information for candidates and assessors**

- The adopted specification for the works should correspond to the *Specification for the Reinstatement of Openings in Highways* and HG 175: *Health and Safety Executive Guidelines*. S7.5 deals with reinforcement, including welding, overlapping and wiring to the existing reinforcement.

## Unit 8 Reinstatement of concrete slabs

### Element 8.4 Form concrete slab

Performance criteria	
<p>You must show that:</p> <ol style="list-style-type: none"> <li>you replace or construct missing or damaged <b>joints</b> to match the existing joints using the <b>appropriate equipment</b> and materials</li> <li>you place <b>concrete</b> to a uniform level using the <b>appropriate equipment</b></li> <li>you carry out the compaction of the <b>concrete</b> safely, using <b>appropriate equipment</b> to achieve maximum density</li> <li>you finish the surface to the approved texture, ensuring that it has the appropriate skid resistance</li> <li>you apply an approved curing membrane</li> <li>you follow <b>safe working practices</b> for forming a concrete slab, that are in accordance with current relevant <b>specifications and procedures</b></li> </ol>	
Knowledge requirements	Related performance criteria
<p>You need to know:</p> <ol style="list-style-type: none"> <li>the types of carriageway on which you would carry out concrete reinstatement (Types 0, 1, 2, 3 and 4 concrete and bituminous overlaid concrete roads)</li> <li>how to identify missing or damaged joints, and the correct procedures for replacing and constructing different types of joints</li> <li>the correct procedures for placing concrete and how to measure the uniformity of the finished concrete level</li> <li>the compaction equipment to use to compact concrete safely and to achieve maximum density</li> <li>how to achieve the appropriate texture (and skid resistance) on the finished surface</li> <li>the range of approved curing membranes and how to apply them correctly</li> <li>safe working practices for forming a concrete slab</li> </ol>	<p>all</p> <p>a</p> <p>b</p> <p>c</p> <p>d</p> <p>e</p> <p>all</p>
Range to be covered	
<ol style="list-style-type: none"> <li>You must show that <b>joints</b> include:               <ol style="list-style-type: none"> <li>contraction joints</li> <li>expansion joints</li> <li>warping joints</li> </ol> </li> <li>You must show that <b>appropriate equipment</b> includes:               <ol style="list-style-type: none"> <li>appropriate hand tools - including shovel, trowel and hand tamping beam</li> <li>appropriate powered equipment - including powered saw, concrete drills and a proprietary vibrator</li> </ol> </li> <li>You must show that the <b>concrete</b> includes:               <ol style="list-style-type: none"> <li>Class 40 concrete</li> <li>air entrainment additive</li> </ol> </li> </ol>	

## Unit 8 Reinstatement of concrete slabs

### Element 8.4 Form concrete slab

#### Range to be covered (contd.)

- IV. You must show that **safe working practices** include:
- safe use of tools and equipment
  - use of appropriate personal protective clothing, including as necessary:
    - high visibility jacket or waistcoat
    - hard hat
    - ear defenders
    - eye protection visor/goggles
    - dust mask
    - gloves
    - protective footwear
    - waterproof clothing
  - use of risk assessment methods to identify and control any hazards on site
  - precautions to minimise danger or inconvenience to road users
  - precautions to minimise danger or inconvenience to site personnel
  - precautions to minimise damage to equipment or apparatus
- V. You must show that **specifications and procedures** are:
- Health and Safety Executive Guidelines (*HSG 185: Health and Safety in Excavations*)
  - Specification for the Reinstatement of Openings in Highways
  - manufacturer's operating procedures for powered equipment

#### Evidence requirements

- Your evidence must cover all the performance criteria, all the knowledge requirements and all the range items listed in this element.
- You must complete the following tasks for a prepared excavation in an actual or simulated rigid carriageway:
  - Construct concrete joints.
  - Place concrete to a uniform level.
  - Compact concrete.
  - Texture the surface of the concrete.
  - Protect the concrete and leave to cure.

#### Specification of works

- The assessment must take place at a site with physical characteristics that conform to the definition of 'street' at section 48 or 'road' at section 107 of the New Roads and Street Works Act 1991.

#### Assessment conditions

- The assessment will be undertaken by a qualified assessor who will observe you forming a concrete slab.
- The site at which you are assessed must conform to the specifications listed above. Real equipment must be used, that complies with the requirements of the Code of Practice.
- Where you provide supplementary evidence of competence from your workplace, which includes a documented observation report, a qualified Street Works operative, supervisor or assessor must provide this.

#### Additional information for candidates and assessors

- The adopted specification for the works should correspond to *Specification for the Reinstatement of Openings in Highways* and Health and Safety Executive Guidelines. The following sections of the Specification provide particular guidance on various items within the performance criteria:
  - S2.6 Skid resistance of the finished texture, including recommendations on texture depth
  - S7.1.2 Permanent reinstatement of concrete slabs (see NG7.1)
  - S7.3 Concrete road slab reinstatement, including mix specifications, membrane placement and joints
  - S10.2.4 Compaction requirements of cementitious materials

## Unit 8 Reinstatement of concrete slabs

### Element 8.5 Dispose of surplus materials

Performance criteria									
<p>You must show that:</p> <ol style="list-style-type: none"> <li>you identify <b>materials</b> that are unsuitable for re-use or surplus to requirements and provide safe temporary storage for them on site</li> <li>you load all types of <b>materials</b> for disposal safely for transportation to the designated disposal area, using the <b>appropriate equipment</b> and at the appropriate time</li> <li>you leave the site in a clean and safe condition</li> <li>you follow <b>safe working practices</b> for disposing of surplus materials that are in accordance with current relevant <b>specifications and procedures</b></li> </ol>									
Knowledge requirements	Related performance criteria								
<p>You need to know:</p>									
1 how to determine whether materials are unsuitable for re-use or surplus to requirements	a								
2 how to store unsuitable materials away from re-usable materials on site, and the distance required between them to ensure re-usable or imported materials are not contaminated	a								
3 how to load materials safely for transportation	b								
4 the time limit to impose in removing surplus materials	b								
5 the action to take to leave the site in a clean and safe condition at the conclusion of works	c, d								
6 safe working practices for disposing of surplus materials	all								
Range to be covered									
<ol style="list-style-type: none"> <li>You must show that <b>materials</b> are:               <ol style="list-style-type: none"> <li>unsuitable surplus materials</li> <li>surplus materials that are suitable for re-use</li> </ol> </li> <li>You must show that the <b>appropriate equipment</b> for disposing of surplus materials includes:               <ol style="list-style-type: none"> <li>square mouth shovel</li> <li>hard bristle broom</li> </ol> </li> <li>You must show that <b>safe working practices</b> are:               <ol style="list-style-type: none"> <li>safe use of tools and equipment</li> <li>use of appropriate personal protective equipment, including as necessary:                   <table border="0"> <tr> <td>• high visibility jacket or waistcoat</td> <td>• dust mask</td> </tr> <tr> <td>• hard hat</td> <td>• gloves</td> </tr> <tr> <td>• ear defenders</td> <td>• protective footwear</td> </tr> <tr> <td>• eye protection visor/goggles</td> <td>• waterproof clothing</td> </tr> </table> </li> <li>use of risk assessment methods to identify and control any hazards on site</li> <li>precautions to minimise danger or inconvenience to road users</li> <li>precautions to minimise danger or inconvenience to site personnel</li> <li>precautions to minimise damage to equipment or apparatus</li> </ol> </li> <li>You must show that <b>specifications and procedures</b> are:               <ol style="list-style-type: none"> <li>Health and Safety Executive Guidelines (<i>HSG 185: Health and Safety in Excavations</i>)</li> <li>Specification for the Reinstatement of Openings in Highways</li> </ol> </li> </ol>		• high visibility jacket or waistcoat	• dust mask	• hard hat	• gloves	• ear defenders	• protective footwear	• eye protection visor/goggles	• waterproof clothing
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## **Unit 8 Reinstatement of concrete slabs**

### **Element 8.5 Dispose of surplus materials**

#### **Evidence requirements**

- Your evidence must cover all the performance criteria, all the knowledge requirements and all the range items listed in this element.
- You must complete the following tasks for an area of an actual or simulated carriageway following reinstatement of concrete slabs:
  - A. Identify, provide safe temporary storage for and load surplus materials for disposal.
  - B. Clean the site.

#### **Specification of works**

- The assessment must take place at a site with physical characteristics that conform to the definition of 'street' at section 48 or 'road' at section 107 of the New Roads and Street Works Act 1991.

#### **Assessment conditions**

- The assessment will be undertaken by a qualified assessor, who will observe you disposing of surplus materials following the reinstatement of concrete slabs.
- The site at which you are assessed must conform to the specifications listed above. Real equipment must be used, that complies with the requirements of the Code of Practice.
- Where you provide supplementary evidence of competence from your workplace, which includes a documented observation report, a qualified Street Works operative, supervisor or assessor must provide this.

#### **Additional information for candidates and assessors**

- The adopted specification for the works should correspond to *Specification for the Reinstatement of Openings in Highways*. The following sections of the Specification refer particularly to re-usable materials:
  - i. S3.3.2 indicates that any "excavated material which is unsuitable for re-use should be removed from site as soon as practicable."
  - ii. S6.3.4 (*Disposal of modular materials within the excavation*): Under item (3) it states that "where surplus modules, cobbles or setts are removed from site, they shall remain the property of the Authority. The Undertaker shall notify the Authority and retain them for 10 days following such notification. Thereafter, the Undertaker shall be free to dispose of all remaining modules, cobbles and setts."