

COSBEDMO23

Produce and recommend integrated conservation, repair and maintenance solutions in built environment design management



Overview

This unit is about agreeing with stakeholders and experts design solutions that are compatible with the conservation, repair and maintenance of assets. It is about agreeing with stakeholders an overall strategy for conservation, repair and maintenance of assets that meet the legislative and policy frameworks for protection and preservation and allow the project to progress to the next stage.

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Performance criteria

- You must be able to:*
- P1 obtain information relevant to the conservation, repair and maintenance briefs and identify the relevant solutions
 - P2 identify factors which are likely to influence solutions, assess their relevance and prioritise them
 - P3 assess whether the overall conservation, repair and maintenance strategy can meet both the technical and functional constraints of the brief within the legislative and policy frameworks for protection and preservation
 - P4 obtain alternative sources of information and solutions, where existing approaches do not meet the parameters of the brief, which have the potential to offer alternative approaches
 - P5 discuss the proposed options with stakeholders, and assess and incorporate their observations
 - P6 assess the potential impact of modern technology and repair methods on factors relating to assets
 - P7 advise on situations where incompatibility of the use of materials can be detrimental to the future of the asset
 - P8 provide clients/owners with enough relevant and accurate information at the right time to agree a detailed solution seeking guidance from experts where necessary
 - P9 recommend, justify and agree conservation, repair and maintenance solutions which are acceptable to the stakeholders, meet the legislative and policy frameworks for protection and preservation and allow the project to progress to the next stage

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Knowledge and understanding

You need to know and understand:

- K1 how to obtain information relevant to the conservation, repair and maintenance briefs and identify the relevant solutions
- K2 what to identify as factors which are likely to influence solutions, assess their relevance and prioritise them
- K3 how and why to assess whether the overall conservation, repair and maintenance strategy can meet both the technical and functional constraints of the brief within the legislative and policy frameworks for protection and preservation
- K4 how to obtain alternative sources of information and solutions, where existing approaches do not meet the parameters of the brief, which have the potential to offer alternative approaches (application)
- K5 how and why to discuss the proposed options with stakeholders, and assess and incorporate their observations (synthesis)
- K6 how and why to assess the potential impact of modern technology and repair methods on factors relating to assets (analysis)
- K7 how and why to advise on situations where incompatibility of the use of materials can be detrimental to the future of the asset (synthesis)
- K8 how to provide clients/owners with enough relevant and accurate information at the right time to agree a detailed solution seeking guidance from experts where necessary (application)
- K9 how and why to recommend conservation, repair and maintenance solutions which are acceptable to the stakeholders, meet the legislative and policy frameworks for protection and preservation and allow the project to progress to the next stage (synthesis)
- K10 how and why to justify and agree conservation, repair and maintenance solutions which are acceptable to the stakeholders, meet the legislative and policy frameworks for protection and preservation and allow the project to progress to the next stage (evaluation)

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Additional Information

Scope/range

1. Identify:

- 1.1. relevant processes and procedures
- 1.2. investigative research funding
- 1.3. official bodies to be consulted

2. Factors:

- 2.1. physical
- 2.2. technical
- 2.3. environmentally induced decay
- 2.4. social pressures use
- 2.5. aesthetic and spatial
- 2.6. assessments of cultural significance and value
- 2.7. protection of archaeological, architectural, cultural and historically valuable resources
- 2.8. cost budgeting
- 2.9. time programming
- 2.10. health safety
- 2.11. resources (people, skills, finance, materials, plant, knowledge)
- 2.12. relevant quality standards and codes of practice
- 2.13. materials sourcing matching
- 2.14. fitness of purpose

3. Legislative and policy frameworks for protection and preservation:

- 3.1. local, regional, national regulations, international charters
- 3.2. local, regional, national, international codes
- 3.3. best practice and guidelines
- 3.4. CDM regulations
- 3.5. health and safety regulations
- 3.6. building regulations

4. Alternative sources of information and solutions:

- 4.1. previous knowledge and experience of similar work proposals
- 4.2. solutions proposals by others to similar problems
- 4.3. specialists including experienced craftspeople conservators
- 4.4. industry, academic, scientific research and innovation

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5. Stakeholders:

- 5.1. the client/owners and their consultants
- 5.2. partners in the programme
- 5.3. prospective users/occupiers
- 5.4. regulatory authorities
- 5.5. grant-giving bodies
- 5.6. statutory consultees
- 5.7. informed but non-statutory consultees

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