Cultural Property Protection Field Cards

BED DOWN RECOMMENDATIONS & TREATMENT OPTIONS FOR ONSITE CULTURAL PROPERTY PROTECTION
LOW TECHNOLOGY SURFACE TREATEMENTS

SAND BAGS

Advantages

- Low tech
- Low cost
- Abundant supplies
- Re-usable
- Low impact to area
Disadvantages

- Very labor intensive
- Large number of sandbags
- Will be stolen
- Impact resistance: average
- Maintenance
Advantages
- Low tech
- Low cost
- Various sizes
- Wide variety of materials will work
- Impact resistance: Good to Excellent
- Can also be used to protect mosaic or inlaid flooring in historic structures
### FABRICS/GEO-TEXTILES

**Disadvantages**
- Somewhat labor intensive
- Added cost to project
- Materials may not be available
- May require a skilled operator
- May require maintenance
- Difficult to apply in windy conditions
FOAM TILES

Advantages
- Extremely easy to install
- User friendly for walking or driving
- Bullet absorbing tiles are very similar, may work as well or better and may be available in conflict zones

Disadvantages
- Expensive
- May be difficult to obtain
- May not stay in place in high traffic areas
Advantages

- High tech
- Low maintenance
- Re-usable
- Two sizes
- Impact resistance: Excellent
Disadvantages

- Labor intensive
- High cost
- Added cost to project
- Site prep
- Difficult to move from site to site
BARRIERS – WARNING SIGNS

Advantages
- Low tech
- Abundant supplies
- No site prep
- Minimal skill needed
- Re-usable
- Quick and Easy!

Disadvantages
- No physical barrier
- Requires observation, patrol or guard

BARRIERS – WARNING SIGNS

Advantages
- Low tech
- Abundant supplies
- No site prep
- Minimal skill needed
- Re-usable
- Quick and Easy!

Disadvantages
- No physical barrier
- Requires observation, patrol or guard
Advantages

- Low tech
- Abundant supplies
- No site prep
- Minimal skill needed
- Re-usable
- Impact resistance: Good
Disadvantages

- Labor intensive
- Can cause harm to civilians
- Can be difficult to install
- Requires stakes in ground which could damage fragile artifacts and features
BARRIERS – AJAX TYPE SYSTEMS

Advantages
- Low tech
- No site prep
- Medium cost
- Re-usable
- Various sizes
Disadvantages
- Somewhat labor intensive
- May not be available forward
- Equipment needed
- Added cost to project
- Impact resistance: Not good
- Are not reinforced so break easily
- Difficult to move from site to site

BARRIERS – AJAX TYPE SYSTEMS

Disadvantages
- Somewhat labor intensive
- May not be available forward
- Equipment needed
- Added cost to project
- Impact resistance: Not good
- Are not reinforced so break easily
- Difficult to move from site to site

BARRIERS – AJAX TYPE SYSTEMS

Disadvantages
- Somewhat labor intensive
- May not be available forward
- Equipment needed
- Added cost to project
- Impact resistance: Not good
- Are not reinforced so break easily
- Difficult to move from site to site

BARRIERS – AJAX TYPE SYSTEMS

Disadvantages
- Somewhat labor intensive
- May not be available forward
- Equipment needed
- Added cost to project
- Impact resistance: Not good
- Are not reinforced so break easily
- Difficult to move from site to site

BARRIERS – AJAX TYPE SYSTEMS

Disadvantages
- Somewhat labor intensive
- May not be available forward
- Equipment needed
- Added cost to project
- Impact resistance: Not good
- Are not reinforced so break easily
- Difficult to move from site to site
BARRIERS – CHAIN LINK FENCING

Advantages
- Low tech
- No site prep
- Medium cost
- Re-usable somewhat
- Ground disturbance

Disadvantages
- Labor intensive
- Limited height
- Post in ground
- Added cost to project
- Impact resistance: Not good
- Moving from site to site

BARRIERS – CHAIN LINK FENCING

Advantages
- Low tech
- No site prep
- Medium cost
- Re-usable somewhat
- Ground disturbance

Disadvantages
- Labor intensive
- Limited height
- Post in ground
- Added cost to project
- Impact resistance: Not good
- Moving from site to site
BARRIERS – INSTANT FENCING

Advantages
- Low tech
- No site prep
- Medium cost
- Re-usable
- No ground disturbance

Disadvantages
- Potential instability
- May not be available forward

Advantages
- Low tech
- No site prep
- Medium cost
- Re-usable
- No ground disturbance

Disadvantages
- Potential instability
- May not be available forward
JERSEY BARRIERS

Advantages

- Abundant supplies
- Various sizes
- Plastic
- Quick installation
- Impact resistance: Good
- Re-usable

Disadvantages

- Requires skilled operator
- Limited height
- Equipment needed
- Added cost to project
- Some site prep
- Moving from site to site

JERSEY BARRIERS

Advantages

- Abundant supplies
- Various sizes
- Plastic
- Quick installation
- Impact resistance: Good
- Re-usable

Disadvantages

- Requires skilled operator
- Limited height
- Equipment needed
- Added cost to project
- Some site prep
- Moving from site to site
BARRIERS – CARGO OR SHIPPING CONTAINERS

Advantages
• Abundant supplies
• Various sizes
• Quick installation
• Impact resistance: Good
• Re-usable
• Can be placed on top of archaeological material with minimal effects

Disadvantages
• Requires skilled operator
• Limited height
• Equipment needed
• Added cost to project
• Some site prep
• Difficult to move from site to site

BARRIERS – CARGO OR SHIPPING CONTAINERS

Advantages
• Abundant supplies
• Various sizes
• Quick installation
• Impact resistance: Good
• Re-usable
• Can be placed on top of archaeological material with minimal effects

Disadvantages
• Requires skilled operator
• Limited height
• Equipment needed
• Added cost to project
• Some site prep
• Difficult to move from site to site
**SIMPLE PROTECTIVE STRUCTURES FOR FRAGILE FEATURES**

Advantages

- Low tech
- Available
- No site prep
- Minimal skill needed
- Re-usable
- Multiple sizes

---

---

---

---
**Simple Protective Structures for Fragile Features**

**Disadvantages**
- No physical barrier
- Requires observation, patrol or guard
- Installation may involve ground disturbance

**Simple Protective Structures for Fragile Features**

**Disadvantages**
- No physical barrier
- Requires observation, patrol or guard
- Installation may involve ground disturbance
Advantages

- Low tech
- Low cost
- Abundant supplies (maybe)
- Easily repaired
Disadvantages

- No supplies
- Somewhat skilled labor
- Maintenance
- Decay (pressure treated)
These barriers and systems can be especially problematic when used in archaeologically sensitive areas so extreme caution is recommended. The solution is to be sure that barriers of this type are filled with material that is completely free of archaeological remains.
Advantages

- Low tech
- Medium cost
- Abundant supplies
- Re-usable
- Used as a fence
- Little site prep
- Impact resistance: Average
Disadvantages
- Somewhat labor intensive
- Added cost to project
- Collapse
- Maintenance
- Skilled equipment operator
- Site prep
- FILL MUST BE FREE OF ARCHAEOLOGICAL MATERIAL