

# Project Evaluation Request Form

## Channel Protection

08/13/09 REV

Page 1 of 3

ndx.0017

### LOGISTICS INFORMATION

1) Preliminary Design by \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Projected Bid Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Planned Construction Startup \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

2) Approvals / Certifications Required by: List Agency(ies) \_\_\_\_\_

### PROJECT

Channel Protection Applications: \_\_\_\_\_

Project Name: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_

Country: \_\_\_\_\_ Estimated Area: \_\_\_\_\_ m<sup>2</sup> (ft<sup>2</sup>)

Describe problem to be solved by the SSP Geocell: \_\_\_\_\_

### PERSON REQUESTING INFORMATION

Relationship with Project \_\_\_\_\_

Company: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Zip/PC: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**SOIL STABILIZATION PRODUCTS COMPANY, INC.**

PO Box 2779, Merced, CA 95344-0779

Ph: (209) 383-3296 or (800) 523-9992 Fax: (209) 383-7849

E-mail: [info@sspco.com](mailto:info@sspco.com) Website: <http://www.sspco.com>

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Page 2 of 3

ndx.0017

Load Support Applications: \_\_\_\_\_

### What is the channel type?

Trapezoidal                      Stepped Trapezoidal                      Parabolic  
Spillway / Chute                      Rectangular                      Other \_\_\_\_\_  
Full Channel    OR    Bottom Only    OR    One Embankment

### What are the channel dimensions?:

Base Width \_\_\_\_\_ ft(m)                      Top Width \_\_\_\_\_ ft(m)  
Top Width \_\_\_\_\_ H:V                      Length \_\_\_\_\_ ft(m)  
Channel Depth \_\_\_\_\_ ft(m)

NOTE: Please include a sketch of non-symmetric or unusual shaped channels

### What are the channel hydraulics?

Depth of Flow \_\_\_\_\_ ft(m)                      Manning's "n" \_\_\_\_\_  
Velocity \_\_\_\_\_ ft/s(m/s)                      Discharge Q \_\_\_\_\_ ft/s(m/s)  
Bed Slope \_\_\_\_\_ %  
Water Flow    Continuous    Intermittent (duration \_\_\_\_\_ hours)

### What other hydraulic conditions apply?

Wave Action / Wave Height                      Groundwater Seepage  
Ice Action                      Rapid Drawdown / Time \_\_\_\_\_ minutes  
Other \_\_\_\_\_

### What is under the Geocell?

Native Soil \_\_\_\_\_ depth ft(m)                      Geotextile  
Stone or Gravel \_\_\_\_\_ depth ft(m)                      Geomembrane  
Rock or Riprap \_\_\_\_\_ depth ft(m)                      Other \_\_\_\_\_  
Concrete \_\_\_\_\_ thickness in(mm)

### What are the foundation soil properties?

Native Soil Description \_\_\_\_\_  
Angle of Internal Friction \_\_\_\_\_ degrees  
Cohesion \_\_\_\_\_ kN/m<sup>2</sup>(lb/ft<sup>2</sup>)

### What Geocell infill is desired?

Topsoil with vegetation \_\_\_\_\_                      Gravel  
Clear Stone \_\_\_\_\_                      Concrete  
Grouted Stone \_\_\_\_\_                      Other \_\_\_\_\_

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Page 3 of 3

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Load Support Applications: \_\_\_\_\_

### What is the critical interface for sliding?

Geocell Infill / Foundation Soil

Geotextile Underlayer / Foundation Soil

Geotextile Underlayer / Geomembrane

Other \_\_\_\_\_

### What is the angle of shearing resistance?

Angle of Shearing Resistance \_\_\_\_\_ degrees

Angle of Shearing Resistance \_\_\_\_\_ degrees

Angle of Shearing Resistance \_\_\_\_\_ degrees

Angle of Shearing Resistance \_\_\_\_\_ degrees

### What Geocell type is desired (if known)?

Perforated Geocell (recommended)

3" (75mm) depth

GC20V Cell

4" (100mm) depth

GW30V Cell

6" (150mm) depth

GW40V Cell

8" (200mm) depth

Tendons

### What ground anchoring systems are desired (if known)?

Earth Anchors

J-Pins or Straight Stakes

Dead-Man Anchors

Crest Anchoring

Other \_\_\_\_\_

