Request For Project Evaluation (RFPE)

GEOWEB® Load Support System

GEOSYSTEMS

Project: _____

Distributor: _____

Project Name: _____

City: _____

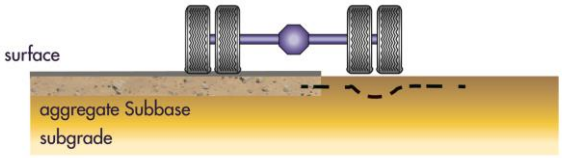
Estimated Geoweb® area (L x W):

_____ m x _____ m = _____ m²

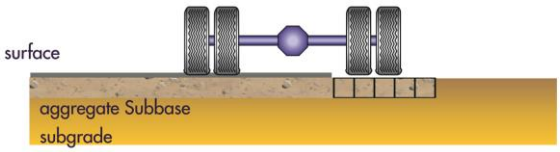
Tender: Yes ☐ No ☐

Projected Bid Date: _____

Planned construction Startup: _____



Unconfined Granular Pavement System



the GEOWEB® Granular Pavement System

Known competitors: _____

Describe problem to be solved by the Geoweb® system:
(Please provide a sketch or cross section!)

_____

_____

_____

Alternative/ Conventional way of construction (without Geoweb®):

_____

_____

Please note

The accuracy of preliminary designs/ evaluations based on RFPEs depends on the quality of the provided data. Specific values/ information which cannot be provided reduce the quality and reliability of preliminary designs since comparable values have to be assumed. Final designs always should be based on proper soil investigations and detailed load parameters – final designs are engineering achievements!

Disclaimer/ Limitation of use

Evaluations/ Preliminary designs are copyrighted and specifically based upon the unique characteristics of Presto Product's patented Geoweb® material. Evaluations will be prepared solely for the Requestor. Use of any part of Evaluations/ Preliminary designs with any materials not manufactured by Presto Products is strictly prohibited and shall make Evaluations/ Preliminary designs invalid.
The purpose of Evaluations/ Preliminary designs is to provide a potential use of Geoweb® products and does not represent an actual design to be used for construction or any other purposes. A final design shall be prepared by a licensed professional engineer based on actual field conditions.

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On behalf of PRESTO Geosystems, Appleton, USA.

Design information

- ☐ Redevelopment
- ☐ New construction
- ☐ Paved construction
- ☐ Unpaved construction
- ☐ Temporary construction
- ☐ Permanent construction

Kind of construction?

- ☐ Major Highway
- ☐ Industrial area
- ☐ Parking area
- ☐ Public Highway
- ☐ Container Terminal
- ☐ Agricultural road
- ☐ Airport
- ☐ Railway
- ☐ Dyke/ Levee
- ☐ Private Road
- ☐ Other_____

Requirements (Geoweb® stabilized construction)

Minimum E_{V2} value on top of the construction (MN/ m²) _____

Minimum CBR-value on top of the construction (%) _____

Maximum allowable deformation (mm) _____

Load parameter (according to DIN 1072)

- ☐ Truck 60 tons (P = 100 kN; A = 0,12 m²; σ = 833 kN/m²)
- ☐ Truck 30 tons (P = 50 kN; A = 0,08 m²; σ = 625 kN/m²)
- ☐ Truck 16 tons (P = 50 kN; A = 0,08 m²; σ = 625 kN/m²)
- ☐ Truck 12 tons (P = 40 kN; A = 0,06 m²; σ = 666 kN/m²)
- ☐ Van 9 tons (P = 30 kN; A = 0,052 m²; σ = 577 kN/m²)
- ☐ Van 6 tons (P = 20 kN; A = 0,04 m²; σ = 500 kN/m²)
- ☐ Van 3 tons (P = 10 kN; A = 0,04 m²; σ = 250 kN/m²)
- ☐ Car (P = 7 kN; A = 0,04 m²; σ = 175 kN/m²)
- ☐ Other_____

Max. axle load _____ kN

Number of axles/ tyres _____

Contact area (tyre) _____ m²

Tyre pressure _____ kN/m²

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Load repetitions

Estimated number of crossings?

- ☐ more than 32 Million
- ☐ between 10 and 32 Million
- ☐ between 3 und 10 Million
- ☐ between 0.8 und 3 Million
- ☐ between 0.3 uand 0.8 Million
- ☐ between 0.1 and 0.3 Million
- ☐ less than 0.1 Million
- ☐ Other

Crossings/ Day _____

Design life _____ (Years)

Crossings/ Design life _____

Subgrade

Plate load test, E_{V2}-value [MN/m²] _____

or California bearing ratio, CBR-Wert [%] _____

or undrained cohesion; c_u-value [kN/m²] _____

Module of stiffness [MN/m²] _____

Angle of internal friction [°] _____

Specific weight [kN/m³] _____

Ground water table [m] _____

Filling material Geoweb®

Angle of internal friction [°] _____

Max. grain size [mm] _____

Conventional pavement design without Geoweb®

Layers	Angle of internal friction [°]	Specific weight [kN/m²]	Layer thickness [m]	Module of stiffness E_s [kN/m²]
1				
2				
3				
4				
5				

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Additional information

Layers are modifiable ☐ not modifiable ☐

Total construction thickness modifiable ☐ not modifiable ☐

If no data (load parameters, subgrade, filling material) is provided, following values will be used for the calculation: _____

Traffic load: SLW 60 (60 tons), 10 Million crossings (paved constructions)/ 1 Million crossings (unpaved constructions)

Allowable deformation: 10 mm (paved constructions), 50 mm (unpaved constructions)

Subgrade: E_{V2} = 10 MN/m²

Filling material: Angle of internal friction = 35°

Logistics information

☐ Cost estimation

☐ Quotation

☐ Preliminary design/ Calculation needed by:

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