Request For Project Evaluation (RFPE)

GEOWEB® Load Support System
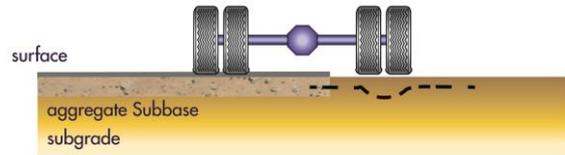
Project

Distributor: GFX UK

Q-reference:

Project Name:

City:

Estimated Geoweb® area (L x W):

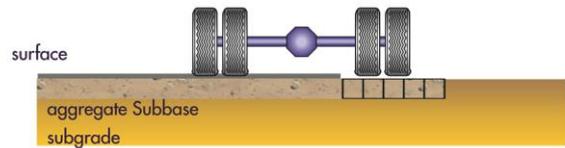_____m x _____m = _____m²

Tender: Yes ☐ No ☐

Projected Bid Date:

Planned construction Startup:

Unconfined Granular Pavement System

the GEOWEB® Granular Pavement System

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

_____

_____

_____

Alternative/ Conventional way of construction (without Geoweb®)/ Known competitors:
(number of layers, layer thickness, layer properties: angle of friction, specific weight and module of stiffness)

_____

_____

_____

_____

_____

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

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GEOWEB® Load Support System

Design information

- ☐ Paved construction
- ☐ Unpaved construction
- ☐ Temporary construction
- ☐ Permanent construction

Kind of construction?

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

Requirements (Geoweb® stabilised 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)
- ☐ Van 9 tons
  (P = 30 kN; A = 0,052 m²; σ = 577 kN/m²)
- ☐ Truck 30 tons
  (P = 50 kN; A = 0,08 m²; σ = 625 kN/m²)
- ☐ Van 6 tons
  (P = 20 kN; A = 0,04 m²; σ = 500 kN/m²)
- ☐ Truck 16 tons
  (P = 50 kN; A = 0,08 m²; σ = 625 kN/m²)
- ☐ Van 3 tons
  (P = 10 kN; A = 0,04 m²; σ = 250 kN/m²)
- ☐ Truck 12 tons
  (P = 40 kN; A = 0,06 m²; σ = 666 kN/m²)
- ☐ Car
  (P = 7 kN; A = 0,04 m²; σ = 175 kN/m²)
- ☐ Other:

Max. axle load _____ kN

Contact area (tyre)_____ m²

Number of axles/ tyres _____

Tyre pressure _____ kN/m²

Estimated number of crossings

Design life (Years) _____

Crossings/ Day _____ Crossings per design life _____

GEOWEB® Load Support System

Load repetitions

☐ more than 32 Million   ☐ between 10 and 32 Million   ☐ between 3 und 10 Million

☐ between 0.8 und 3 Million   ☐ between 0.3 and 0.8 Million

☐ between 0.1 and 0.3 Million   ☐ less than 0.1 Million   ☐ Other _____

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] _____

Additional information

Layers are modifiable ☐   not modifiable ☐

Total construction thickness modifiable ☐   not modifiable ☐

Logistics information

☐ Cost estimation

☐ Quotation

☐ Preliminary design/ Calculation   needed by: