

GEOWEB® Road Verge Control System

Project _____

Distributor: _____

Project Name: _____

City: _____

Estimated amount of Geoweb® area:

_____m; Width: 0,60 m or 1,00 m

Tender: Yes No

Projected Bid Date: _____

Planned construction Startup: _____

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®):

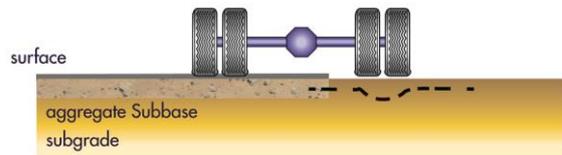
Please note

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!

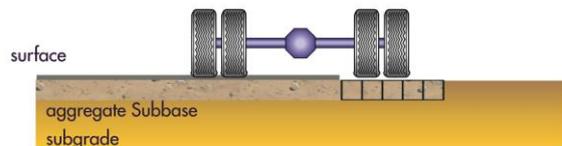
Disclaimer/ Limitation of use

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.



Unconfined Granular Pavement System



the GEOWEB® Granular Pavement System

GEOWEB® Road Verge Control System

Design information

- Redevelopment
- New construction
- Paved construction
- Unpaved construction (vegetated)

Requirements (Geoweb® stabilised 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)

- | | |
|--|---|
| <input type="checkbox"/> Truck 60 tons
(P = 100 kN; A = 0,12 m ² ; σ = 833 kN/m ²) | <input type="checkbox"/> Van 9 tons
(P = 30 kN; A = 0,052 m ² ; σ = 577 kN/m ²) |
| <input type="checkbox"/> Truck 30 tons
(P = 50 kN; A = 0,08 m ² ; σ = 625 kN/m ²) | <input type="checkbox"/> Van 6 tons
(P = 20 kN; A = 0,04 m ² ; σ = 500 kN/m ²) |
| <input type="checkbox"/> Truck 16 tons
(P = 50 kN; A = 0,08 m ² ; σ = 625 kN/m ²) | <input type="checkbox"/> Van 3 tons
(P = 10 kN; A = 0,04 m ² ; σ = 250 kN/m ²) |
| <input type="checkbox"/> Truck 12 tons
(P = 40 kN; A = 0,06 m ² ; σ = 666 kN/m ²) | <input type="checkbox"/> Car
(P = 7 kN; A = 0,04 m ² ; σ = 175 kN/m ²) |

Other _____

Max. axle load _____ kN Contact area (tyre) _____ m²;

Number of axles/ tyres _____ Tyre pressure _____ kN/m²

Estimated number of crossings?

- | | |
|--|--|
| <input type="checkbox"/> more than 32 Million | <input type="checkbox"/> between 0.3 und 0.8 Million |
| <input type="checkbox"/> between 10 and 32 Million | <input type="checkbox"/> between 0.1 and 0.3 Million |
| <input type="checkbox"/> between 3 und 10 Million | <input type="checkbox"/> less than 0.1 Million |
| <input type="checkbox"/> between 0.8 und 3 Million | <input type="checkbox"/> Other |

Crossings/ Day _____

Design life _____ (Years)

Crossings/ Design life _____

Subgrade description

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/m ²]	Layer thickness [m]	Module of stiffness E_s [kN/m ²]
1				
2				
3				

Additional information

Layers are modifiable not modifiable Total construction thickness is modifiable is 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: $E_{v2} = 10 \text{ MN/m}^2$

Filling material: Angle of internal friction = 35°

Logistics information

 Cost estimation Preliminary design/ Calculation Quotation

needed by: _____