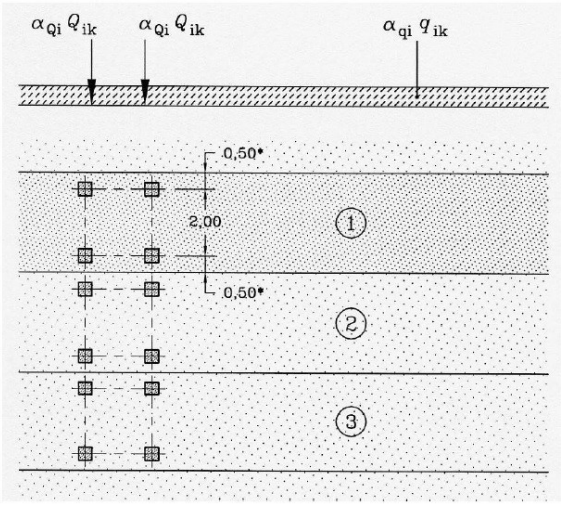
Vedlegg C - Trafikklast

The details of Load Model 1 are illustrated in Figure 4.2a.



Lastsituasjon for LM1

$\alpha_{Q1} := 1.0$

$Q_{1k} := 300\ kN$

$\alpha_{q1} := 0.6$

$q_{1k} := 9\ \frac{kN}{m^2}$

$L := 30 \cdot m$

$w_1 := 5.5 \cdot m$

Verdiene ble tatt fra NA.4.3.2(3)

$q_{1k} \cdot \alpha_{q1} = 5.4\ \frac{kN}{m^2}$ $\quad q_{1tot} := (\alpha_{q1}) \cdot q_{1k} \cdot L = 162\ \frac{kN}{m}$

Horisontalkrefter ifølge pkt. 4.4.1 NS-EN 1991-2:2003 (E) bør tilfredstille kravene:

(4.6) $Q_{lk} := 0.6 \cdot \alpha_{Q1} \cdot (2 \cdot Q_{1k}) + 0.1 \cdot \alpha_{q1} \cdot q_{1k} \cdot w_1 \cdot L$

$Q_{lk} = 449.1\ kN$

$q_{ik} := \frac{Q_{lk}}{L} = 14.97\ \frac{kN}{m}$

```
if 180 kN·αQ1 ≤ Qlk ∧ Q1k ≤ 900 kN = "OK"
  ‖ return "OK"
else
  ‖ return "IKKE OK"
```

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