Project Amstelveenseweg 916-920

Projectnummer 16148

Revisie

Belastingfactoren (NEN-EN 1990)
Formule 6.10a: γ_G : 1.35 γ_Q : 1.50
Formule 6.10b: $\xi\gamma_G$: 1.20 γ_Q : 1.50

Partiële factor (Tabel 2.3 NEN-EN 1995-1-1)
γ_M [-]: 1.30

Meegenomen combinaties in de berekening :		k_{mod} [-]	b_{ef} [mm]	$k_{c,90,q}$	$k_{c,90,F}$
* Perm. + q-last (6.10a)	(G_{rep} + P_{rep})	0.80	71	1.00	1.50
* Perm. + q-last (6.10b)	(G_{rep} + P_{rep})	0.80	71	1.00	1.50
* Perm. + puntlast (6.10a)	(G_{rep} + F_{rep})	0.80	71	1.00	1.50
* Perm. + puntlast (6.10b)	(G_{rep} + F_{rep})	0.80	71	1.00	1.50

Resultaten (maatgevende combinaties)			**eis**		**u.c.**
Perm + qlast(6.10b) frm(6.11)	$\sigma_{m,y,d}$	= 11.21 <	14.77	[N/mm²]	0.76
Perm + qlast(6.10b) frm(6.13)	$\sigma_{v,d}$	= 0.51 <	2.46	[N/mm²]	0.21
Perm + qlast(6.10b) frm(6.3)	$\sigma_{c,90,q,d}/(k_{c,90,q}*f_{c,90,d}) + \sigma_{c,90,F,d}/(k_{c,90,F}*f_{c,90,d}) < 1.00$	= 0.75/ 1.54+ 0.00/ 2.31 =			0.49
Verdeelde belasting	u_{bij}	= 11.00 <	11.25	[mm]	0.98
Verdeelde belasting	$u_{net,fin}$	= 13.84 <	15.00	[mm]	0.92
Resonantie : eerste eigen frequentie		= 7.25 >	3.00	[Hz]	0.41