

OFFRE N°3

Santos de pilotaje  
en las pilas para cucho definitivo  
de calzada de 4 m.

249.530

28.4.58

Carga permanente

Peso muerto	$691,2 \times \frac{7}{8} \times 1,05$	=	635,0
Pila	$141,2 - 6,5 \times 2,5$	=	125,0
Zapata	$125,6 - 4,5 \times 2,3$	=	115,3
			<u>875,3</u>

Surcharge

Butoirs et puytes

$0,4 \times 3,4 \times 24,5 = 33,3$   $e = 5,4$

Bonvoi militaire

93,9 t  $e = 1,25$

Surcharge roulante

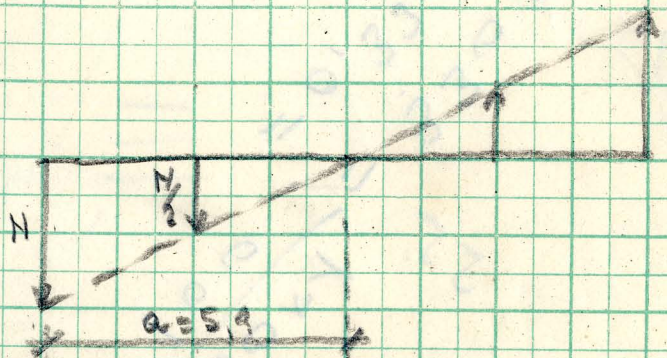
(2convois) 144,2 t  $e = 1,00$

Carga en los pilotes

$(2Na + \frac{N}{2} \times \frac{a}{2}) \times 2 = Pe$   
 $2Na(2 + \frac{1}{4}) = \frac{13}{4} Na = Pe$

$N = \frac{P}{7} + \frac{4Pe}{18a}$

$N = P(0,143 + 0,0377e)$

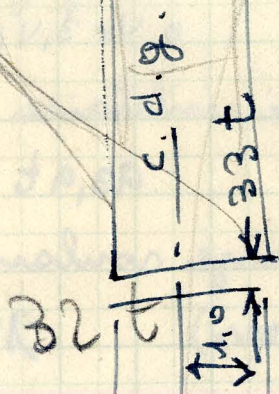


Carga permanente	$\frac{875,3}{7}$	=	125,00
Butoirs	$33,3 \times (0,143 + 0,0377 \times 5,4)$	=	11,90
Bonvoi militaire	$93,9 \times (0,143 + 0,0377 \times 1,25)$	=	17,40
Surcharge roulante	$144,2 \times (0,143 + 0,0377 \times 1,00)$	=	26,10

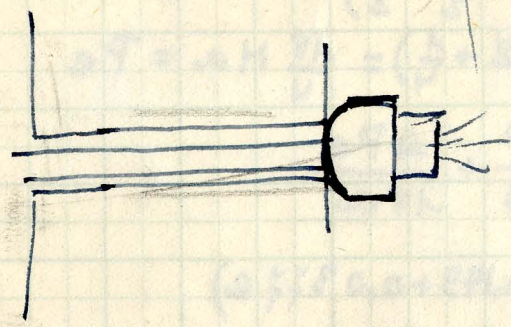
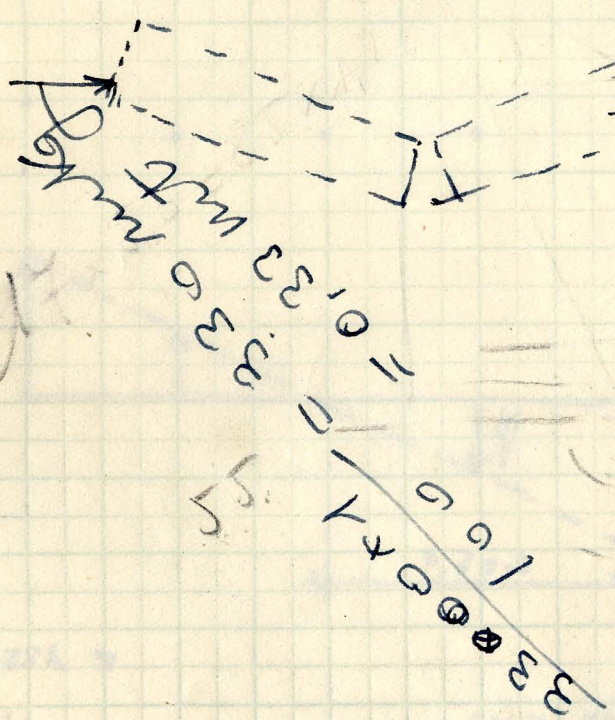
Maximo  $125,0 + 11,9 + 26,1 = 163,0 t.$

10,62  
1

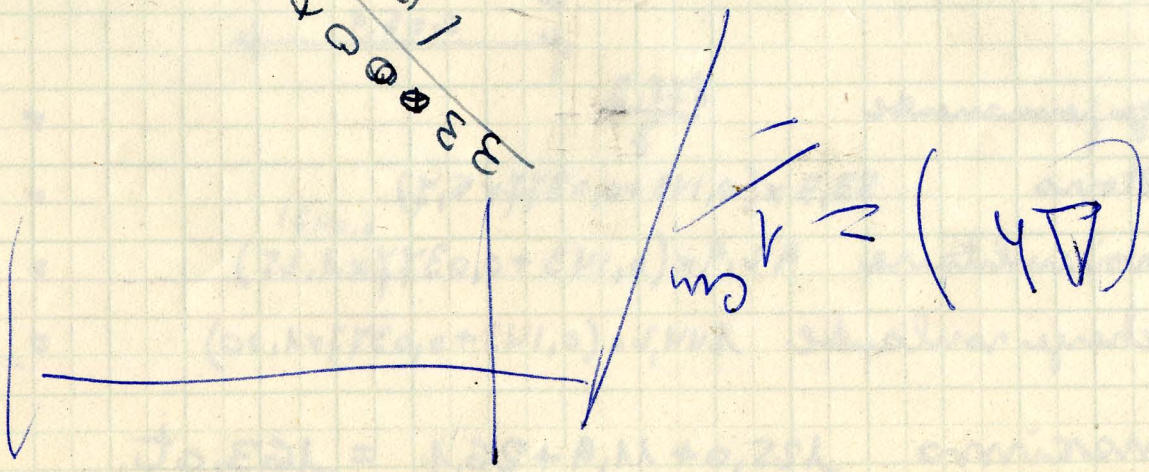
$$R_0 = 0,5 \text{ kg/cm}^2$$



33 mt.



Puente



$$\Delta y \approx 1 \text{ cm}$$