



Résultats d'étude

RD 630 Département du Nord - PAVE ROLF

RD630

du PR 0+0 au PR 3+17

Date de l'étude : Friday, April 22, 2022





SYNTHESE DES DONNEES

C160 V2- axe/2_G 0+100 100.0 m 	C161 V1+ axe/2_D 0+300 100.0 m 	C162 V2- axe/2_D 0+300 100.0 m 	C163 V1+ axe/2_D 0+700 100.0 m 	C165 V1+ axe/2_D 1+200 100.0 m 	C167 V1+ axe/2_D 1+600 100.0 m 	C168 V1+ axe/2_D 1+800 100.0 m 
55 PL/j/sens	55 PL/j/sens	55 PL/j/sens	55 PL/j/sens	55 PL/j/sens	55 PL/j/sens	55 PL/j/sens
50 mm/100	50 mm/100	50 mm/100	25 mm/100	44 mm/100	44 mm/100	30 mm/100
Désenrobage	Désenrobage	Désenrobage	Désenrobage	Désenrobage	Désenrobage	Désenrobage

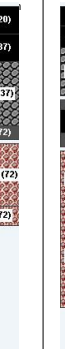
C169 V1+ axe/2_D 2+0 100.0 m 	C170 V1+ axe/2_D 2+200 100.0 m 	C171 V1+ axe/2_D 2+400 100.0 m 	C172 V1+ axe/2_G 2+600 100.0 m 	C173 V1+ axe/2_D 2+800 100.0 m 		
55 PL/j/sens	55 PL/j/sens	55 PL/j/sens	55 PL/j/sens	55 PL/j/sens		
30 mm/100	30 mm/100	25 mm/100	30 mm/100	30 mm/100		
Désenrobage	Désenrobage	Désenrobage	Désenrobage	Désenrobage		
				Faïencage sur BDR		

DIAGNOSTICS / MODELISATIONS

C160 V2- axe/2_G 0+100 100.0 m 	C161 V1+ axe/2_D 0+300 100.0 m 	C162 V2- axe/2_D 0+300 100.0 m 	C163 V1+ axe/2_D 0+700 100.0 m 	C165 V1+ axe/2_D 1+200 100.0 m 	C167 V1+ axe/2_D 1+600 100.0 m 	C168 V1+ axe/2_D 1+800 100.0 m 
Section	Section	Section	Section	Section	Section	Section
Fatigue=fort(e) Drainage= moyen	Fatigue=fort(e) Drainage= moyen	Fatigue=fort(e) Drainage= moyen	Fatigue=fort(e) Drainage= moyen	Fatigue=fort(e) Drainage= moyen	Fatigue=fort(e) Drainage= moyen	Fatigue=fort(e) Drainage= moyen
		BB-TRES-MINCE-0/10 (2012) 2.0 cm / 6000.0 Mpa / C Compression Fissuration thermique=fort(e)				
	Enrobé de surface (2012) 2.0 cm / 4640.0 Mpa / C ept= 16.0 10-6	BBSG-0/10-CLASSE-3 (2002) 5.0 cm / 7730.0 Mpa / C ept= 25.3 10-6	BB-TRES-MINCE-0/10 (2012) 2.0 cm / 5950.0 Mpa / C Compression Fissuration thermique= moyen(ne)	BB-TRES-MINCE-0/10 (2012) 3.0 cm / 5990.0 Mpa / C Compression Fissuration thermique= moyen(ne)		BBSG-0/10-CLASSE-3 (2002) 7.5 cm / 9000.0 Mpa / C ept= 31.5 10-6 Fissuration thermique=fort(e)
	BBSG-0/10-CLASSE-3 (2002) 5.0 cm / 2000.0 Mpa / C ept= 198.7 10-6 Fatigue=fort(e) Fissuration thermique= moyen(ne) Remontée de fissures= moyen(ne)	Béton bitumineux (1985) 6.0 cm / 2040.0 Mpa / C ept= 25.3 10-6	BBSG-0/10-CLASSE-3 (2002) 5.0 cm / 6980.0 Mpa / C ept= 91.6 10-6 Fatigue= moyen(ne) Fissuration thermique=fort(e)	BBSG-0/10-CLASSE-3 (2002) 6.0 cm / 7730.0 Mpa / C ept= 73.0 10-6 Fissuration thermique=fort(e) Remontée de fissures=fort(e)	BBSG-0/10-CLASSE-3 (2002) 8.0 cm / 9000.0 Mpa / C ept= 44.9 10-6 Fissuration thermique=fort(e)	Béton bitumineux (1985) 6.0 cm / 2040.0 Mpa / C ept= 31.5 10-6
BBSG-0/10-CLASSE-3 (2002) 7.0 cm / 8990.0 Mpa / C ept= 108.5 10-6	BB-DISCONTINU- COUCHE-MINCE (1985) 4.0 cm / 1000.0 Mpa / D ept= 300.9 10-6 Fatigue=fort(e) Fissuration thermique=fort(e)	Grave bitume (1985) 14.0 cm / 14000.0 Mpa / C ept= 54.7 10-6	Béton bitumineux (1985) 5.0 cm / 2040.0 Mpa / D ept= 176.2 10-6 Fatigue= moyen(ne)	Béton bitumineux (1985) 6.0 cm / 2000.0 Mpa / C ept= 112.4 10-6 Fatigue=fort(e)	Béton bitumineux (1985) 8.0 cm / 2040.0 Mpa / C ept= 44.9 10-6 Fatigue=fort(e)	Grave bitume (1985) 12.0 cm / 13800.0 Mpa / C ept= 56.5 10-6
Grave bitume (1985) 9.0 cm / 2000.0 Mpa / D ept= 333.6 10-6 Fatigue=fort(e) Fissuration thermique=fort(e)	Grave bitume (1985) 20.0 cm / 6860.0 Mpa / D ept= 142.3 10-6 Fatigue= moyen(ne)	Enduit bicouche (1975) 1.0 cm / 1000.0 Mpa / C ept= 55.6 10-6	Grave bitume (1985) 17.0 cm / 9120.0 Mpa / D ept= 106.2 10-6	Grave bitume (1985) 9.0 cm / 2000.0 Mpa / D ept= 234.5 10-6	Grave bitume (1985) 12.0 cm / 3870.0 Mpa / D ept= 141.2 10-6	Enduit bicouche (1960) 1.0 cm / 1000.0 Mpa / C ept= 57.6 10-6
Grave non traitée (1950) 27.0 cm / 240.0 Mpa / C epz= 123.0 10-6	PAVE (1950) 14.0 cm / 1000.0 Mpa / C epz= 64.1 10-6 Fatigue= moyen(ne)	PAVE (1950) 20.0 cm / 1000.0 Mpa / C epz= 80.7 10-6	PAVE (1950) 16.0 cm / 1000.0 Mpa / C epz= 34.4 10-6 Fatigue= moyen(ne)	PAVE (1950) 13.0 cm / 1000.0 Mpa / C epz= 61.4 10-6 Fatigue= moyen(ne)	PAVE (1950) 18.0 cm / 1000.0 Mpa / C epz= 52.6 10-6 Fatigue= moyen(ne)	PAVE (1950) 15.0 cm / 1000.0 Mpa / C epz= 82.2 10-6 Fatigue= moyen(ne)
Couche de forme non traitée (1950) 10.0 cm / 120.0 Mpa / C epz= 509.4 10-6	sable_couche_de_forme (1950) 16.0 cm / 63.0 Mpa / C epz= 418.1 10-6	sable_couche_de_forme (1950) 10.0 cm / 60.0 Mpa / C epz= 191.1 10-6	sable_couche_de_forme (1950) 5.0 cm / 120.0 Mpa / C epz= 350.1 10-6	sable_couche_de_forme (1950) 6.0 cm / 90.0 Mpa / C epz= 421.6 10-6	sable_couche_de_forme (1950) 5.0 cm / 60.0 Mpa / C epz= 315.8 10-6	sable_couche_de_forme (1950) 27.0 cm / 60.0 Mpa / C epz= 262.9 10-6
Sol A1 600.0 cm / 107.0 Mpa / C 10000.0 Mpa / C epz= 484.0 10-6	Sol A1 600.0 cm / 63.0 Mpa / C 10000.0 Mpa / C epz= 375.5 10-6	Sol A1 600.0 cm / 24.0 Mpa / C 10000.0 Mpa / C epz= 299.3 10-6	Sol A1 600.0 cm / 148.0 Mpa / C 10000.0 Mpa / C epz= 278.9 10-6	Sol A1 600.0 cm / 90.0 Mpa / C 10000.0 Mpa / C epz= 408.5 10-6	Sol A1 600.0 cm / 56.0 Mpa / C 10000.0 Mpa / C epz= 324.8 10-6	Sol A1 600.0 cm / 60.0 Mpa / C 10000.0 Mpa / C epz= 178.2 10-6

						
Section Fatigue=fort(e) Drainage= moyen	Section Fatigue=fort(e) Drainage= moyen	Section Fatigue=fort(e) Drainage= moyen	Section Fatigue=fort(e) Drainage= moyen	Section Fatigue=fort(e) Défaut d'Interface= moyen(ne) Drainage= moyen		
	BBSG-0/10-CLASSE-3 (2002) 5.0 cm / 9000.0 Mpa / C ept= 21.5 10-6 Fissuration thermique=fort(e)	BBSG-0/10-CLASSE-3 (2002) 6.0 cm / 9000.0 Mpa / C ept= 38.6 10-6 Fissuration thermique=fort(e)				
	Béton bitumineux (1985) 5.5 cm / 2040.0 Mpa / C ept= 21.5 10-6 Fatigue= moyen(ne)	Béton bitumineux (1985) 6.0 cm / 2040.0 Mpa / C ept= 38.6 10-6 Fatigue=fort(e)				
BBSG-0/10-CLASSE-3 (2002) 7.0 cm / 9000.0 Mpa / C ept= 31.2 10-6 Fissuration thermique=fort(e)	Grave bitume (1985) 12.0 cm / 6470.0 Mpa / D ept= 118.1 10-6	Grave bitume (1985) 12.0 cm / 3690.0 Mpa / D ept= 156.3 10-6	BBSG-0/10-CLASSE-3 (2002) 6.0 cm / 9000.0 Mpa / C ept= 24.8 10-6 Fissuration thermique=fort(e)	Défaut d'Interface= moyen(ne)		
Béton bitumineux (1985) 7.0 cm / 2040.0 Mpa / C ept= 31.2 10-6	Enduit bicouche (1970) 1.0 cm / 1000.0 Mpa / C ept= 74.6 10-6 Fissuration thermique=fort(e)	Enduit bicouche (1980) 1.0 cm / 1000.0 Mpa / C ept= 56.9 10-6	Béton bitumineux (1985) 5.5 cm / 2040.0 Mpa / C ept= 24.8 10-6	BBSG-0/10-CLASSE-3 (2002) 6.0 cm / 5500.0 Mpa / C Compression		
Grave bitume (1985) 16.0 cm / 14000.0 Mpa / C ept= 47.5 10-6	Béton bitumineux (1960) 6.0 cm / 2000.0 Mpa / C Compression	Enduit bicouche (1970) 1.0 cm / 1000.0 Mpa / C ept= 41.7 10-6	Grave bitume (1985) 15.0 cm / 13900.0 Mpa / C ept= 56.3 10-6	Grave laitier (1990) 15.0 cm / 4000.0 Mpa / C sigt= 0.5 MPa		
PAVE (1950) 16.5 cm / 1000.0 Mpa / C epz= 65.2 10-6 Fatigue= moyen(ne)	PAVE (1950) 15.0 cm / 1000.0 Mpa / C epz= 42.2 10-6	Grave non traitée (1950) 15.0 cm / 240.0 Mpa / C epz= 119.7 10-6 Fatigue= moyen(ne)	PAVE (1950) 13.0 cm / 1000.0 Mpa / C epz= 76.7 10-6 Fatigue= moyen(ne)	PAVE (1950) 13.0 cm / 1000.0 Mpa / C epz= 156.6 10-6		
sable_couche_de_forme (1950) 5.0 cm / 60.0 Mpa / C epz= 190.8 10-6	sable_couche_de_forme (1950) 25.0 cm / 101.0 Mpa / C epz= 313.6 10-6	sable_couche_de_forme (1950) 15.0 cm / 120.0 Mpa / C epz= 308.0 10-6	sable_couche_de_forme (1950) 27.0 cm / 60.0 Mpa / C epz= 252.6 10-6	sable_couche_de_forme (1950) 30.0 cm / 88.0 Mpa / C epz= 390.7 10-6		
Sol A1 600.0 cm / 47.0 Mpa / C 10000.0 Mpa / C epz= 210.8 10-6	Sol A1 600.0 cm / 101.0 Mpa / C 10000.0 Mpa / C epz= 225.7 10-6	Sol A1 600.0 cm / 158.0 Mpa / C 10000.0 Mpa / C epz= 208.9 10-6	Sol A1 600.0 cm / 59.0 Mpa / C 10000.0 Mpa / C epz= 177.6 10-6	Sol A1 600.0 cm / 88.0 Mpa / C 10000.0 Mpa / C epz= 227.7 10-6		

SYNTHESES DES RESULTATS

	C160 V2- axe/2_G 0+100	C161 V1+ axe/2_D 0+300	C162 V2- axe/2_D 0+300	C163 V1+ axe/2_D 0+700	C165 V1+ axe/2_D 1+200	C167 V1+ axe/2_D 1+600	C168 V1+ axe/2_D 1+800	C169 V1+ axe/2_D 2+0	C170 V1+ axe/2_D 2+200	C171 V1+ axe/2_D 2+400	C172 V1+ axe/2_G 2+600	C173 V1+ axe/2_D 2+800	
													
es-mono-dg 17 €/ml 25 MJ/ml 1 Kg.eq.CO2/ml 0 t granulats/ml													
6.0 bbsg-0/10-C3 75 €/ml 359 MJ/ml 20 Kg.eq.CO2/ml 0 t granulats/ml													

SYNTHESES DES RESULTATS PAR GAMME

Gammes de solutions	C160 V2- axe/2_G 0+100 100.0 m	C161 V1+ axe/2_D 0+300 100.0 m	C162 V2- axe/2_D 0+300 100.0 m	C163 V1+ axe/2_D 0+700 100.0 m	C165 V1+ axe/2_D 1+200 100.0 m	C167 V1+ axe/2_D 1+600 100.0 m	C168 V1+ axe/2_D 1+800 100.0 m
	CR: 6 bbsg-0/10-C3 Surélévation: 6 cm Coût global: 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml
	CR: 1 es-mono-dg Surélévation: 1 cm	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml

Gammes de solutions	C169 V1+ axe/2_D 2+0 100.0 m 	C170 V1+ axe/2_D 2+200 100.0 m 	C171 V1+ axe/2_D 2+400 100.0 m 	C172 V1+ axe/2_G 2+600 100.0 m 	C173 V1+ axe/2_D 2+800 100.0 m 		
	CR: 6 bbsg-0/10-C3 Surélévation: 6 cm Coût global: 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml	6 bbsg-0/10-C3 75 €/ml		
	CR: 1 es-mono-dg Surélévation: 1 cm	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml	es-mono-dg 17 €/ml		

C161-V1+ 100 m	C163-V1+ 100 m	C165-V1+ 100 m	C167-V1+ 100 m	C168-V1+ 100 m	C169-V1+ 100 m	C170-V1+ 100 m	C171-V1+ 100 m	C172-V1+ 100 m	C173-V1+ 100 m
6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)

C160-V2- 100 m	C162-V2- 100 m
6 bbsg-0/10-C3 (0)	6 bbsg-0/10-C3 (0)

C161-V1+ 100 m	C163-V1+ 100 m	C165-V1+ 100 m	C167-V1+ 100 m	C168-V1+ 100 m	C169-V1+ 100 m	C170-V1+ 100 m	C171-V1+ 100 m	C172-V1+ 100 m	C173-V1+ 100 m

