

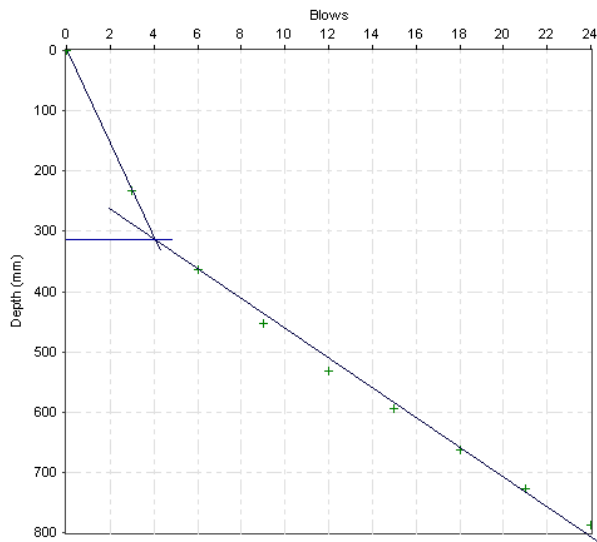
DCP Layer Strength Analysis Report

Project Name: NOSSA SENHORA DA PENHA

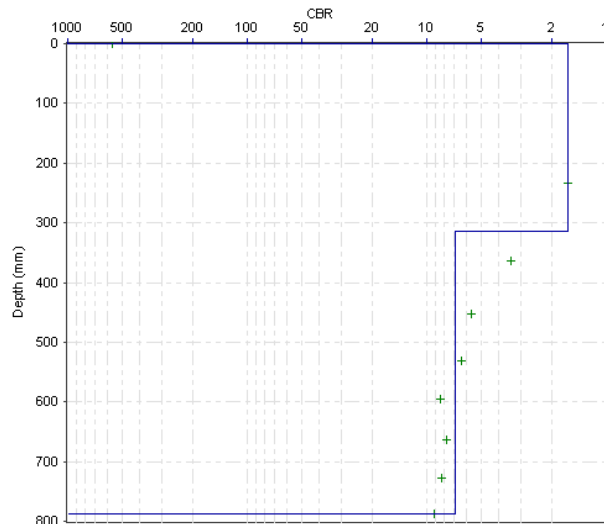
Chainage (km): 1,000
 Direction:
 Location/Offset: Carriageway
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 19/11/2009

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Wet
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 1,000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	77,66	2	314	314	Subgrade	--	--	--	--
2	24,67	7	474	788	Subgrade	--	--	--	--

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,00	0,00
Pavement Strength	--	0,00	0,00

CBR Relationship:

Kleyn equation: $CBR = 410 \times (\text{Strength})^{(-1.27)}$ (when Strength > 2); $CBR = 66.66 \times (\text{Strength})^2 - 330 \times (\text{Strength}) + 563.33$ (when Strength <= 2)

Report produced by

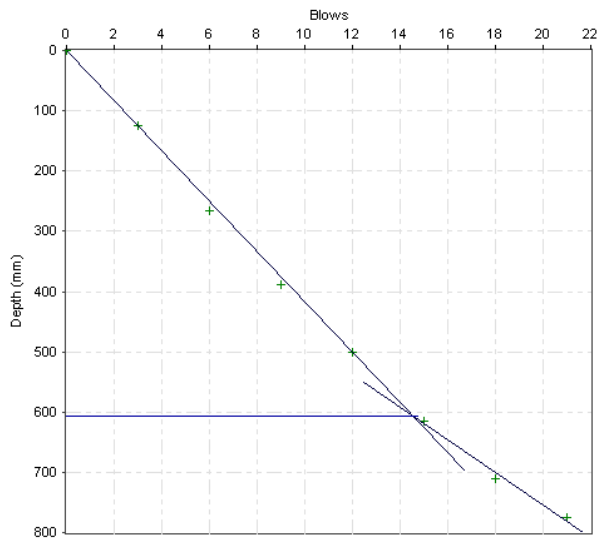
DCP Layer Strength Analysis Report

Project Name: NOSSA SENHORA DA PENHA

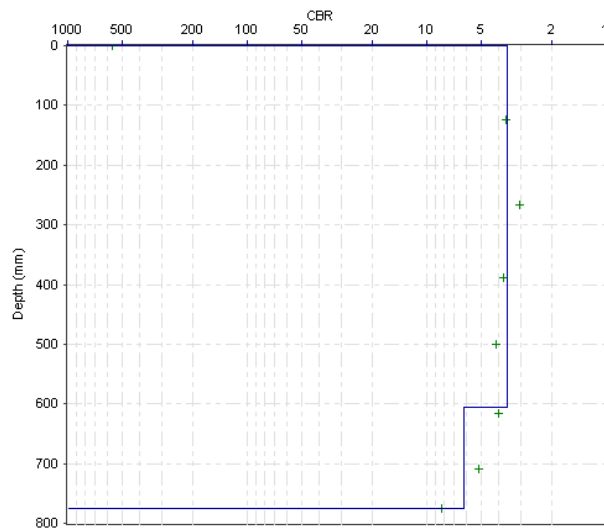
Chainage (km): 2,000
 Direction:
 Location/Offset: Carriageway
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 19/11/2009

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Wet
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 2,000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	41,71	4	606	606	Subgrade	--	--	--	--
2	27,10	6	169	775	Subgrade	--	--	--	--

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,26	0,26
Pavement Strength	--	0,26	0,26

CBR Relationship:

Kleyn equation: $CBR = 410 \times (\text{Strength})^{(-1.27)}$ (when Strength > 2); $CBR = 66.66 \times (\text{Strength})^2 - 330 \times (\text{Strength}) + 563.33$ (when Strength <= 2)

Report produced by