

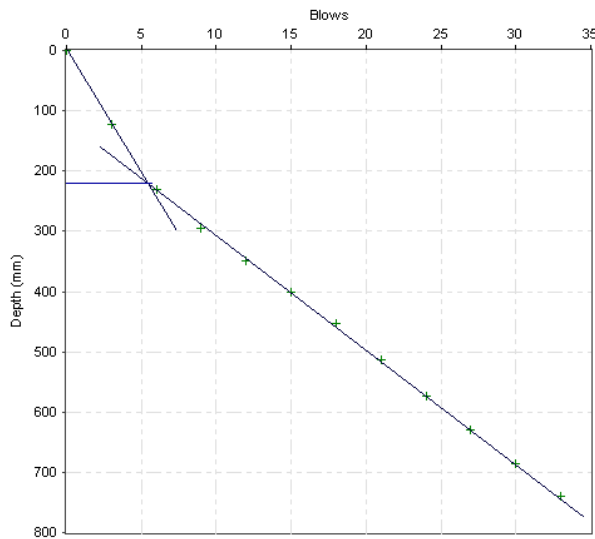
DCP Layer Strength Analysis Report

Project Name: R. FRANCICO MOTTA MACHADO

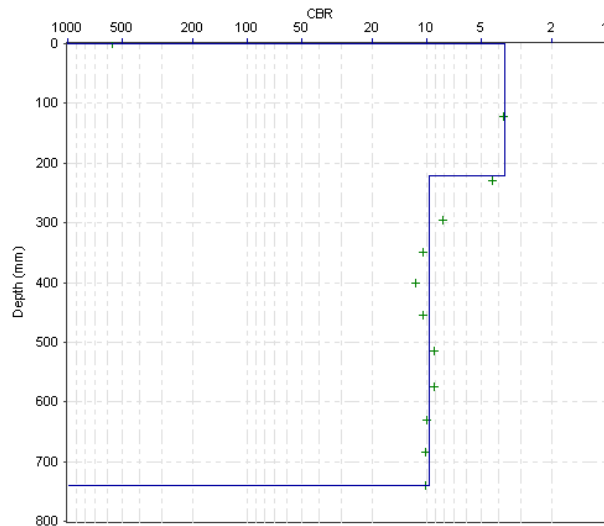
Chainage (km): 2,000
 Direction:
 Location/Offset: Carriageway
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 12/11/2009

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	40,78	4	221	221	Subgrade	--	--	--	--
2	19,06	10	519	740	Subgrade	--	--	--	--

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,29	0,29
Pavement Strength	--	0,29	0,29

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)

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