

45. Aashto Standard 2006

46. Kushtet teknike te projektimit KTP-78 Libri I 1 KTP-5-78

47. International Building Code 2006



LABORATORY TESTING for CONSTRUCTION MATERIALS
& GEOTECHNICAL STUDY

LABORATOR per KRYERJEN E PROVAVE TE MATERIALEVE TE NDERTIMIT
& STUDIMEVE GJEOTEKNIKE

Aneksi 01. Foto nga puna ne terren

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TÜV
AUSTRIA
HELLAS

EN ISO 9001:2015	No. 010140786
SGS***2011	No. 20 106 122007136
EN ISO 14001:2015	No. 04 016008
OHSAS 18001:2007	No. 03012019
Pass 99:2012	No.02613005



LT 067 21 03 17

BH-1



Foto nr.1 Pozicioni i sondes ne BH-1

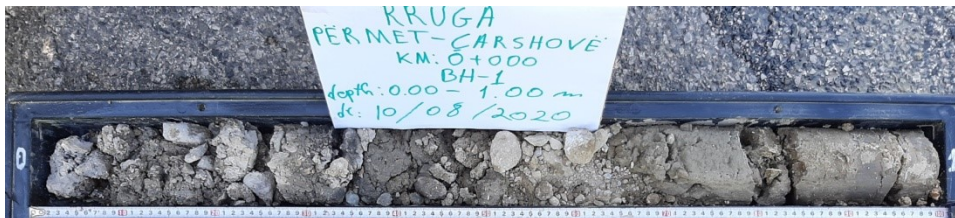


Foto nr.2 Kampionet e marra nga sonda BH-1; thellesia (0.0-1.0) m

BH-2



Foto nr.3 Pozicioni i sondes ne BH-2



Foto nr.4 Kampionet e marra nga sonda BH-2; thellesia (0.0-1.0) m

BH-3



Foto nr.5 Pozicioni i sondes ne BH-3



Foto nr.6 Kampionet e marra nga sonda BH-3; thellesia (0.0-1.0) m

BH-4



Foto nr.7 Pozicioni i sondes ne BH-4



Foto nr.8 Kampionet e marra nga sonda BH-4; thellesia (0.0-1.0) m

BH-5



Foto nr.9 Pozicioni i sondes ne BH-5



Foto nr.10 Kampionet e marra nga sonda BH-5; thellesia (0.0-1.0) m

BH-6



Foto nr.11 Pozicioni i sondes ne BH-6



Foto nr.12 Kampionet e marra nga sonda BH-6; thellesia (0.0-1.0) m

BH-7



Foto nr.13 Pozicioni i sondes ne BH-7



Foto nr.14 Kampionet e marra nga sonda BH-7; thellesia (0.0-1.0) m

BH-8



Foto nr.15 Pozicioni i sondes ne BH-8



Foto nr.16 Kampionet e marra nga sonda BH-8; thellesia (0.0-1.0) m

BH-9



Foto nr.17 Pozicioni i sondes ne BH-9



Foto nr.18 Kampionet e marra nga sonda BH-9; thellesia (0.0-1.0) m

BH-10



Foto nr.19 Pozicioni i sondes ne BH-10



Foto nr.20 Kampionet e marra nga sonda BH-10; thellesia (0.0-1.0) m

BH-11



Foto nr.21 Pozicioni i sondes ne BH-11



Foto nr.22 Kampionet e marra nga sonda BH-11; thellesia (0.0-1.0) m

BH-12



Foto nr.23 Pozicioni i sondes ne BH-12



Foto nr.24 Kampionet e marra nga sonda BH-12; thellesia (0.0-1.0) m

BH-13



Foto nr.25 Pozicioni i sondes ne BH-13



Foto nr.26 Kampionet e marra nga sonda BH-13; thellesia (0.0-1.0) m

BH-14



Foto nr.27 Pozicioni i sondes ne BH-14



Foto nr.27 Kampionet e marra nga sonda BH-14; thellesia (0.0-1.0) m

BH-15



Foto nr.29 Pozicioni i sondes ne BH-15



Foto nr.30 Kampionet e marra nga sonda BH-15; thellesia (0.0-1.0) m

BH-16



Foto nr.31 Pozicioni i sondes ne BH-16



Foto nr.32 Kampionet e marra nga sonda BH-16; thellesia (0.0-1.0) m

BH-17



Foto nr.33 Pozicioni i sondes ne BH-17



Foto nr.34 Kampionet e marra nga sonda BH-17; thellesia (0.0-1.0) m

BH-18



Foto nr.35 Pozicioni i sondes ne BH-18



Foto nr.36 Kampionet e marra nga sonda BH-18; thellesia (0.0-1.0) m

BH-19



Foto nr.37 Pozicioni i sondes ne BH-19



Foto nr.38 Kampionet e marra nga sonda BH-19; thellesia (0.0-1.0) m

BH-20



Foto nr.39 Pozicioni i sondes ne BH-20



Foto nr.40 Kampionet e marra nga sonda BH-20; thellesia (0.0-1.0) m

BH-21



Foto nr.41 Pozicioni i sondes ne BH-21

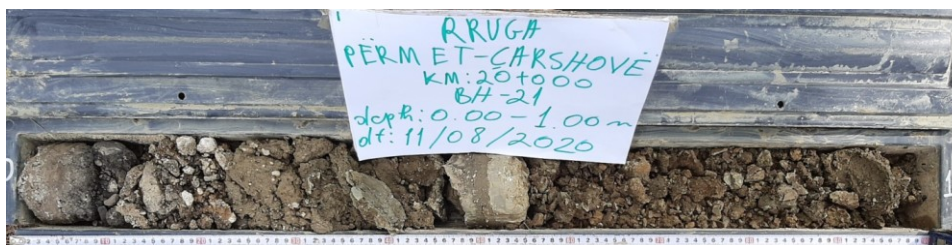


Foto nr.42 Kampionet e marra nga sonda BH-21; thellesia (0.0-1.0) m

BH-22



Foto nr.43 Pozicioni i sondes ne BH-22



Foto nr.44 Kampionet e marra nga sonda BH-22; thellesia (0.0-1.0) m

BH-23



Foto nr.45 Pozicioni i sondes ne BH-23

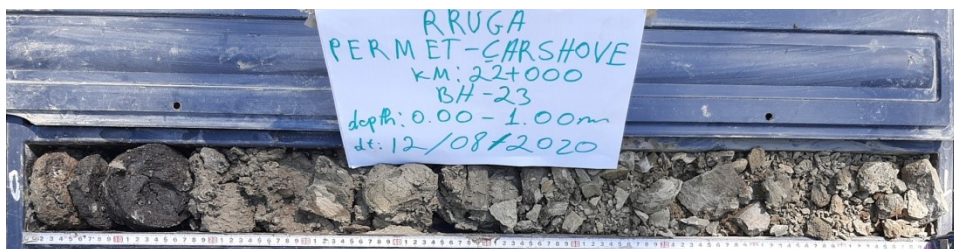


Foto nr.46 Kampionet e marra nga sonda BH-23; thellesia (0.0-1.0) m

BH-24



Foto nr.47 Pozicioni i sondes ne BH-24



Foto nr.48 Kampionet e marra nga sonda BH-24; thellesia (0.0-1.0) m

BH-25



Foto nr.49 Pozicioni i sondes ne BH-25



Foto nr.50 Kampionet e marra nga sonda BH-25; thellesia (0.0-1.0) m

BH-26



Foto nr.51 Pozicioni i sondes ne BH-26



Foto nr.52 Kampionet e marra nga sonda BH-26; thellesia (0.0-1.0) m

BH-27



Foto nr.53 Pozicioni i sondes ne BH-27



Foto nr.54 Kampionet e marra nga sonda BH-27; thellesia (0.0-1.0) m

BH-28



Foto nr.55 Pozicioni i sondes ne BH-28



Foto nr.56 Kampionet e marra nga sonda BH-28; thellesia (0.0-1.0) m



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Aneksi 02. Dokumentimi I shpimeve

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EN ISO 9001:2015	No. 010140786
SCC**2011	No. 20 106 122007136
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OHSAS 18001:2007	No. 03012019
Pass 99:2012	No.02613005



LT 067 21 03 17

		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-1	
Location		PROJECTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Method		Rotary		Coordinates		Chainage/ km		E		445406.286			
Project												Drilling Rig		TAM				N		4453967.87					
Client												"SDC" sh.p.k		On Site Geologist		A. BARDHI		Ground Level		Z					
Consultant				Logged by		A. BARDHI		Date Started		10.08.2020															
Contract No.				Checked by		S. ALLKJA		Date Completed		10.08.2020															
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description		SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]							
						Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]									
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers													0.0							
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.10																							
		0.25		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
		0.65		Subbase, zhavor lumi (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma te rumbullakosura e gjysem te rumbullakosura, me origjinë karbonatike e flishore.						D	0.00-1.00		100					0.50							
		1.00		Natyrat Soil, suargjila zhavorore ngjyre kafe ne bezhe, me lageshi mesatare, e ngjeshur, zhavoret jane te fraksionit te imet, mesem dhe trashe, me forma te rumbullakosura e gjysem te rumbullakosura, me origjine karbonatike, flishore.														1.00							
																			1.50						
																			2.00						
																			2.50						
																			3.00						
																			3.50						
																			4.00						
																			4.50						
																			5.00						
Notes																									



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-2**

Chainage/ km **1+000**

Location		Drilling Method	Rotary	Coordinates	E	446018.994
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	44453295.515
Client	"SDC" sh.p.k	Driller	A. TAFJA	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	10.08.2020	
		Checked by	S. ALLKJA	Date Completed	10.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-CJ		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.25		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.50		Base Course, Stabilizant, çakull mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike e flishore.													
		0.50		Subbase, zhavor lumi (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma te rumbullakosura e gjysem te rumbullakosura, me origjinë karbonatike e flishore.					D	0.00-1.00		100					0.50
		1.00		Natyrat Soil, suargjila zhavorore ngjyre kafe ne bezhe, me lageshi mesatare, e ngjeshur, zhavoret jane te fraksionit te imet, mesem dhe trashe, me forma te rumbullakosura e gjysem te rumbullakosura, me origjine karbonatike, flishore.													1.00
		1.50															1.50
		2.00															2.00
		2.50															2.50
		3.00															3.00
		3.50															3.50
		4.00															4.00
		4.50															4.50
		5.00															5.00

Notes



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-3**

Chainage/ km **2+000**

Location		Drilling Method	Rotary	Coordinates	E	446823.212
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4452729.554
Client	"SDC" sh.p.k	Driller	A. TAFa	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	10.08.2020	
		Checked by	S. ALLKJA	Date Completed	10.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-CJ		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.25		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.45		Base Course, Stabilizant, çakull mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike e flishore.													
				Subbase, zhavor lumi (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma te rumbullakosura e gjysem te rumbullakosura, me origjinë karbonatike e flishore.					D	0.00-1.00		100					0.50
				Natyrli Soil, suargjila te lehta ngjyre kafe ne bezhe, me lageshi mesatare, e ngjeshur.													1.00
		1.00															
																	1.50
																	2.00
																	2.50
																	3.00
																	3.50
																	4.00
																	4.50
																	5.00

Notes







ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-6**

Chainage/ km **5+000**

Location		Drilling Method	Rotary	Coordinates	E	448462.093
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4450491.7
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fractures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.23		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.40		Base Course, Stabilizant, çakull mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
	1.00	1.00		Natyrall Soil, suargjila çakellore ngjyre kafe ne te kuqerremte, me lageshi mesatare, mesatarisht e ngjeshur, çakelli eshte i fraksiot te imet, mesem dhe trashe, me forma kendore, me origjine karbonatike.													1.00
	1.50																1.50
	2.00																2.00
	2.50																2.50
	3.00																3.00
	3.50																3.50
	4.00																4.00
	4.50																4.50
	5.00																5.00

Notes



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-7**

Chainage/ km **6+000**

Location		Drilling Method	Rotary	Coordinates	E	449346.624
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4450948.869
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.23		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.40		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
				Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
				Natyrat Soil, Eluvion i formacioneve konglomeratike, konglomerate, ngjyre gri ne te hirtë, me çimentim shume te dobet deti ne te dobet, me shume çarje, i ngjeshur													1.00
		1.00															
																	1.50
																	2.00
																	2.50
																	3.00
																	3.50
																	4.00
																	4.50
																	5.00

Notes



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-8**

Chainage/ km **7+000**

Location		Drilling Method	Rotary	Coordinates	E	450347.11
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4450980.14
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-CJ		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03															
		0.12															
		0.20		Shtresa e poshtme e asfaltit, shtresa baze.													
				Base Course, Stabilizant, çakull mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
	0.50	0.50		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
	1.00	1.00		Natyrat Soil, Eluvion i formacioneve konglomeratike, konglomerate, ngjyre gri ne te hirtë, me çimentim shume te dobet deti ne te dobet, me shume çarje, i ngjeshur													1.00
	1.50																1.50
	2.00																2.00
	2.50																2.50
	3.00																3.00
	3.50																3.50
	4.00																4.00
	4.50																4.50
	5.00																5.00

Notes



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-9**

Chainage/ km **8+000**

Location		Drilling Method	Rotary	Coordinates	E	451034.242
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4450493.803
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value q _u [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03															
		0.12															
		0.20		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.40		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
	1.00	1.00		Natyrall Soil, suargjila te lehta ngjyre kafe ne bezhe, me lageshi mesatare, e ngjeshur.													1.00
	1.50																1.50
	2.00																2.00
	2.50																2.50
	3.00																3.00
	3.50																3.50
	4.00																4.00
	4.50																4.50
	5.00																5.00

Notes

		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-10	
Location												Drilling Method		Rotary		Coordinates		E		451809.52					
Project		PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Rig		TAM		N		4450091.274							
Client		"SDC" sh.p.k										Driller		A. TAFA		Ground Level		Z							
Consultant												On Site Geologist		A. BARDHI		Orientation		Vertical							
Contract No.												Logged by		A. BARDHI		Date Started		11.08.2020							
												Checked by		S. ALLKJA		Date Completed		11.08.2020							
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value q _u [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]								
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]										
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers												0.0								
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.12																							
		0.20		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
		0.60		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50								
				Natyrat Soil, Eluvion i formacioneve flishore, me ngjyrë gri, me pak lageshti, i ngjeshur, permbajne shume çarje													1.00								
																	1.50								
																	2.00								
																	2.50								
																	3.00								
																	3.50								
																	4.00								
																	4.50								
																	5.00								
Notes																									

		ALTEA & GEOSTUDIO 2000										BH-LOG		Hole ID		BH-11					
Location												Chainage/ km		10+350							
Project		PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Method		Rotary		Coordinates		E		452853.651	
												Drilling Rig		TAM				N		4449157.689	
												Client		"SDC" sh.p.k							
Consultant												On Site Geologist		A. BARDHI		Orientation		Vertical			
Contract No.												Logged by		A. BARDHI		Date Started		11.08.2020			
												Checked by		S. ALLKJA		Date Completed		11.08.2020			
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description		SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]			
						Test depth [m]	N ₆₀ value	SPT type [S-C]		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]					
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers													0.0			
	0.03	0.10		Shtresa e poshtme e asfaltit, shtresa baze.																	
	0.18			Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																	
	0.50	0.62		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.							D	0.00-1.00		100					0.50		
	1.00			Natyrat Soil, suargjila te lehta gri ne kafe me permbajtje te rralle zhavori, me pak lageshi deri ne mesatare, e ngjeshur.														1.00			
	1.50																	1.50			
	2.00																	2.00			
	2.50																	2.50			
	3.00																	3.00			
	3.50																	3.50			
	4.00																	4.00			
	4.50																	4.50			
	5.00																	5.00			
Notes																					



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-12**

Chainage/ km **11+000**

Location		Drilling Method	Rotary	Coordinates	E	453125.815
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4448702.747
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			pocket penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.18		Shtresa e poshtme e asfaltit, shtresa baze.													
				Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
		0.58		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
				Natyrat Soil, suargjila te lehta kafe ne bezhe, me pak lageshi deri ne mesatare, e ngjeshur.													1.00
																	1.50
																	2.00
																	2.50
																	3.00
																	3.50
																	4.00
																	4.50
																	5.00

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		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-13	
Location												Drilling Method		Rotary		Coordinates		E		453771.376					
Project		PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Rig		TAM		N		4447801.69							
Client		"SDC" sh.p.k										Driller		A. TAFI		Ground Level		Z							
Consultant												On Site Geologist		A. BARDHI		Orientation		Vertical							
Contract No.												Logged by		A. BARDHI		Date Started		11.08.2020							
												Checked by		S. ALLKJA		Date Completed		11.08.2020							
Elevation from a.s.l. [m]	Depths from G.L. [m]	The layer depth (thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value q _u [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L. [m]								
					Test depth [m]	N ₆₀ value	SPT type [S-C]		Sample Type	Depths [m]	RQD %	TCR %	Fractures / m	Lefranc [m/s]	Lugeon [uL]										
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers												0.0								
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.10																							
		0.23		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
	0.50	0.50		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, me origjinë karbonatike.						D	0.00-1.00		100				0.50								
	1.00	1.00		Natyrall Soil ,Eluvion i formacioneve flishore, me ngjyrë gri ne bezhe, me pak lageshti, i ngjeshur, permbane shume çarje													1.00								
	1.50																1.50								
	2.00																2.00								
	2.50																2.50								
	3.00																3.00								
	3.50																3.50								
	4.00																4.00								
	4.50																4.50								
	5.00																5.00								
Notes																									



		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-15	
Location												Drilling Method		Rotary		Coordinates		Chainage/ km		14+000					
Project		PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Rig		TAM				E		454547.812					
Client		"SDC" sh.p.k										Driller		A. TAFJA		Ground Level		Z							
Consultant												On Site Geologist		A. BARDHI		Orientation		Vertical							
Contract No.												Logged by		A. BARDHI		Date Started		11.08.2020							
												Checked by		S. ALLKJA		Date Completed		11.08.2020							
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description		SPT Test			penetrometer value q _u [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]							
						Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fractures / m	Lefranc [m/s]	Lugeon [uL]									
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers													0.0	0						
	0.03	0.10		Shtresa e poshtme e asfaltit, shtresa baze.																					
	0.20	0.35		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.							D	0.00-1.00		100						0.50					
	1.00	1.00	Natyrall Soil, suargjilla çakellore ngjyre kafe ne te kuqerremte, me lageshi mesatare, mesatarisht e ngjeshur, çakelli eshte i fraksiot te imet, mesem dhe trashe, me forma kendore, me origjine karbonatike.																1.00						
	1.50																		1.50						
	2.00																		2.00						
	2.50																		2.50						
	3.00																		3.00						
	3.50																		3.50						
	4.00																		4.00						
	4.50																		4.50						
	5.00																		5.00						
Notes																									



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-16**

Chainage/ km **15+000**

Location		Drilling Method	Rotary	Coordinates	E	455354.942
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4446058.818
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value q _u [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03															
		0.12															
		0.20		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.40		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
	1.00	1.00		Natyrat Soil, suargjila te lehta ngjyre kafe ne bezhe, me lageshi mesatare, e ngjeshur.													1.00
	1.50																1.50
	2.00																2.00
	2.50																2.50
	3.00																3.00
	3.50																3.50
	4.00																4.00
	4.50																4.50
	5.00																5.00

Notes

Notes





ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-19**

Chainage/ km **18+000**

Location		Drilling Method	Rotary	Coordinates	E	456693.66
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4444040.105
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	11.08.2020	
		Checked by	S. ALLKJA	Date Completed	11.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.18		Shtresa e poshtme e asfaltit, shtresa baze.													
		0.35		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
	1.00	1.00		Natyrall Soil, suargjila te lehta ngjyre kafe, me lageshi mesatare, e ngjeshur, permbajne zhavore te imet													1.00
	1.50																1.50
	2.00																2.00
	2.50																2.50
	3.00																3.00
	3.50																3.50
	4.00																4.00
	4.50																4.50
	5.00																5.00

Notes

		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-20	
Location		PROJECTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Chainage/ km		19+000											
Project												Drilling Method		Rotary		Coordinates		E		457583.064					
Client												Drilling Rig		TAM		Ground Level		N		4443914.48					
Consultant		"SDC" sh.p.k										Driller		A. TAFa		Orientation		Vertical							
Contract No.												Logged by		A. BARDHI		Date Started		11.08.2020							
												Checked by		S. ALLKJA		Date Completed		11.08.2020							
Elevation from a.s.l. [m]	Depths from G.L. [m]	The layer depth (thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L. [m]								
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]										
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers												0.0								
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.10																							
		0.24																							
		0.50		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.					D	0.00-1.00		100					0.50								
		1.00		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, me origjinë karbonatike.													1.00								
		1.00		Natyrat Soil, Eluvion i formacioneve flishore, me ngjyrë gri ne bezhe, me pak lageshti, i ngjeshur, permbajne shume çarje													1.00								
		1.50															1.50								
		2.00															2.00								
		2.50															2.50								
		3.00															3.00								
		3.50															3.50								
		4.00															4.00								
		4.50															4.50								
		5.00															5.00								
Notes																									

		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-21	
Location		PROJECTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Chainage/ km		20+000											
Project												Drilling Method		Rotary		Coordinates		E		457580.541					
Client												Drilling Rig		TAM		Ground Level		N		4443693.651					
Consultant		"SDC" sh.p.k										Driller		A. TAFa		Orientation		Vertical							
Contract No.												Logged by		A. BARDHI		Date Started		11.08.2020							
												Checked by		S. ALLKJA		Date Completed		11.08.2020							
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			Pocket penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]								
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]										
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers												0.0								
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.10																							
		0.20																							
		0.30		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
		0.50		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, me origjinë karbonatike.						D	0.00-1.00		100				0.50								
		1.00		Natyrat Soil , Eluvion i formacioneve fllshore, me ngjyrë gri ne bezhe, me pak lageshti, i ngjeshur, permbajne shume çarje													1.00								
		1.50															1.50								
		2.00															2.00								
		2.50															2.50								
		3.00															3.00								
		3.50															3.50								
		4.00															4.00								
		4.50															4.50								
		5.00															5.00								
Notes																									

Notes

		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-23	
Location												Drilling Method		Rotary		Coordinates		E		458139.069					
Project		PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Rig		TAM				N		4442975.257					
Client		"SDC" sh.p.k										On Site Geologist		A. BARDHI		Ground Level		Z							
Consultant												Logged by		A. BARDHI		Date Started		12.08.2020							
Contract No.												Checked by		S. ALLKJA		Date Completed		12.08.2020							
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test		penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]									
					Test depth [m]	N ₆₀ value		SPT type [S-C]	Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]			Lugeon [uL]								
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers											0.0									
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.10																							
		0.20																							
		0.30		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100				0.50									
	1.00	1.00		Natyrat Soil, Eluvion i formacioneve flishore, me ngjyrë gri e hirtë, me pak lageshti, i ngjeshur, permbajne shume çarje												1.00									
	1.50															1.50									
	2.00															2.00									
	2.50															2.50									
	3.00															3.00									
	3.50															3.50									
	4.00															4.00									
	4.50															4.50									
	5.00															5.00									
Notes																									



ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-24**

Chainage/ km **23+000**

Location		Drilling Method	Rotary	Coordinates	E	458600.048
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4442605.153
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	12.08.2020	
		Checked by	S. ALLKJA	Date Completed	12.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.20															
		0.30		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
	0.50			Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
	1.00	1.00		Natyrall Soil, suargjila te lehta me ngjyre kafe, me lageshi mesatare, e ngjeshur.													1.00
	1.50																1.50
	2.00																2.00
	2.50																2.50
	3.00																3.00
	3.50																3.50
	4.00																4.00
	4.50																4.50
	5.00																5.00

Notes

		ALTEA & GEOSTUDIO 2000										BH-LOG										Hole ID		BH-25	
Location												Drilling Method		Rotary		Coordinates		Chainage/ km		24+000					
Project		PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE										Drilling Rig		TAM				E		459000.255					
Client		"SDC" sh.p.k										Driller		A. TAFa		Ground Level		Z							
Consultant												On Site Geologist		A. BARDHI		Orientation		Vertical							
Contract No.												Logged by		A. BARDHI		Date Started		12.08.2020							
												Checked by		S. ALLKJA		Date Completed		12.08.2020							
Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]								
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]										
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.	Asphalt Layers												0.0								
		0.03		Shtresa e poshtme e asfaltit, shtresa baze.																					
		0.10																							
		0.18		Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.																					
	0.50	0.50		Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50								
	1.00	1.00		Natyrat Soil, suargjila te lehta me ngjyre kafe, me lageshi mesatare, e ngjeshur, permbajne zhavore te imet.													1.00								
	1.50																1.50								
	2.00																2.00								
	2.50																2.50								
	3.00																3.00								
	3.50																3.50								
	4.00																4.00								
	4.50																4.50								
	5.00																5.00								
Notes																									





ALTEA & GEOSTUDIO 2000

BH-LOG

Hole ID **BH-28**

Chainage/ km **27+000**

Location		Drilling Method	Rotary	Coordinates	E	460790.717
Project	PROJEKTIM RIKONSTRUKSIONI I RRUGES PERMET - ÇARSHOVE	Drilling Rig	TAM		N	4440864.871
Client	"SDC" sh.p.k	Driller	A. TAFI	Ground Level	Z	
Consultant		On Site Geologist	A. BARDHI	Orientation	Vertical	
Contract No.		Logged by	A. BARDHI	Date Started	12.08.2020	
		Checked by	S. ALLKJA	Date Completed	12.08.2020	

Elevation from a.s.l [m]	Depths from G.L [m]	The layer depth (Thickness)[m]	Legend	Lithological Description	SPT Test			penetrometer value qu [kPa]	Sampling		ROCK QUALITY DESIGNATION			Permeability Tests		Water Level [m]	Depths from G.L [m]
					Test depth [m]	N ₆₀ value	SPT type S-C		Sample Type	Depths [m]	RQD %	TCR %	Fract ures / m	Lefranc [m/s]	Lugeon [uL]		
0.00	0.0	0.00		Tapeti i asfaltit, shtresa e siperme.													0.0
		0.03		Asphalt Layers													
		0.10															
		0.18		Shtresa e poshtme e asfaltit, shtresa baze.													
				Base Course, Stabilizant, çakell mali, i fraksionit (0 - 30) mm, ngjyrë gri e hirtë, e ngjeshur, me origjinë karbonatike.													
				Subbase, çakell mali (0 - 60) mm, me ngjyrë bezhë ne gri, i ngjeshur, me forma këndore, permbane blloqe shkembore qe perbejne kalldramin e rruges, me origjinë karbonatike.					D	0.00-1.00		100					0.50
		0.75															
		1.00		Natyrat Soil, suargjila te lehta ngjyre kafe, me lageshi mesatare, e ngjeshur, permbajne zhavore te imet.													1.00
																	1.50
																	2.00
																	2.50
																	3.00
																	3.50
																	4.00
																	4.50
																	5.00

Notes



LABORATORY TESTING for CONSTRUCTION MATERIALS
& GEOTECHNICAL STUDY

LABORATOR per KRYERJEN E PROVAVE TE MATERIALEVE TE NDERTIMIT
& STUDIMEVE GJEOTEKNIKE

Aneksi 03. Rezultatet e testeve laboratorike

Adresa: Autostrada Tirane-Durres km 12, Picar Vore
Kontakt: Tel: +355 4 4500 884; +355 4 4500 885
Mob: ++ 355 682074332; Mob: ++ 355 68 2031 906; Mob: ++ 355 684071577
E-mail: skender.allkja@alteageostudio.com
Website: www.alteageostudio.com

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2015 No. 010140786
SCC** 2011 No. 20 106 122007136
EN ISO 14001:2015 No. 04 016008
OHSAS 18001:2007 No. 03012019
Pass 99:2012 No. 02613005



LT 067 21 03 17

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-7(0.23-0.40) m + BH-18(0.24-0.45) m + BH-20(0.24-0.50)m
BH-25(0.18-0.50) m

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise) ne
Mase per Dherat dhe Shkembim**

Test - Metoda : **ASTM D 2216-10**

Pershkrimi vizual i kampionit: Çakell me permasa te ndryshme i cili ne shume vende eshte ngopur me material argjilor dhe nuk funksionon plotesisht.

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	29.95	33.08
Masa e tares+ kampion I njome, Mtknj	[g]	210.58	214.40
Masa e tares + kampion I thare ne furre, Mtkth	[g]	199.82	203.56
Masa e skeletit , Mkth= Mtkth - Mt	[g]	169.87	170.48
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	10.76	10.84
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	6.33	6.36
Permbajtja e Ujit (Mesatare)	[%]	6.35	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

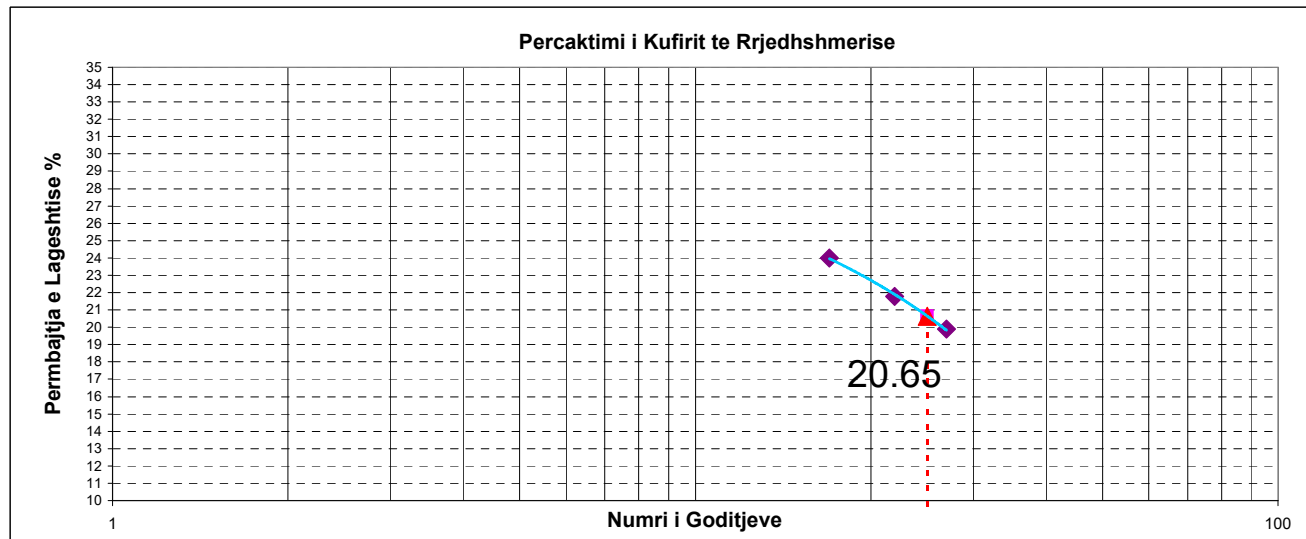
Sonda : Mix: BH-7(0.23-0.40) m + BH-18(0.24-0.45) m + BH-20(0.24-0.50) m + BH-25(0.18-0.50) m

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenerit	B12	B5	B8		A3	A21	
Masa e kontenerit bosh (g)	12.869	13.793	14.026		20.669	20.667	
Masa e kontenerit me kampionin e njome (g)	42.98	48.73	48.87		25.51	25.54	
Masa e kontenerit me kampionin e thate (g)	37.98	42.48	42.12		24.85	24.89	
Masa e Ujit (gr.)	4.99	6.25	6.75		0.66	0.65	
Masa e kampionit te thate (gr.)	25.12	28.69	28.10		4.18	4.22	
Permbajtja e Lageshtise %	19.88	21.78	24.01		15.68	15.35	
Numri i Goditjeve	27	22	17				



KUFIRI I RRJEDHSHMERISE (W_s) 20.65

INDEKSI I PLASTICITETIT (I_p) 5.14

KUFIRI I PLASTICITETIT (W_p) 15.52

INDEKSI I RRJEDHSHMERISE (I_L) 1.2

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-7(0.23-0.40) m + BH-18(0.24-0.45) m + BH-20(0.24-0.50)m +BH-25(0.18-0.50) m

Testi :

PESHA SPECIFIKE E DHERAVE QE PERMBAJNE GRIMCA $>,<$ SE SITA 4.75 mm

Test - Metoda :

ASTM D854 - 10

ASTM C127 - 07

Rezultatet e Testimit

TE DHENAT DHE REZULTATET E TESTIMIT	NJESITE	Testi 1		Testi 2	
		> 4.75 mm	< 4.75 mm	> 4.75 mm	< 4.75 mm
Fraksionet e Dheut	%	48.8	51.2	48.8	51.2
Temperatura e Testimit [Tt]	[°C]	20	20.9	20	20.3
Koeficienti I Temperatures [K]	—	1	0.99981	1	0.99994
Densiteti i ujit ne temperaturen e testimit [ρwTt]	[g/mL]	0.99821	0.99802	0.99821	0.99814
Masa mesatare e kalibruar e piknometrit te thate [Mp Tt]	[g]	0.00	179.590	0.000	140.050
Masa (piknomete + uje ne temperaturen e testimit) [Mpw Tt]	[g]	0.00	509.450	0.000	468.480
Volumi mesatar I kalibruar I piknometrit [Vp]	[mL]	0.00	330.51	0.00	329.04
Masa e kampionit te thare ne furre [Ms ose A]	[g]	315.440	60.260	364.120	60.190
Masa (piknomete + uje+dhe ne temerturen e testimit) [MpwsTt]	[g]	0.000	546.360	0.000	505.360
Masa aparente e kampionit te testimit te saturuar ne uje - [Ms ose C]	[g]	193.610	0.000	223.540	0.000
Pesha Specifike e Dheut ne temperaturen e testimit [GsTt]	—	2.589	2.581	2.590	2.582
Pesha Specifike e Dheut ne 20°C per test [Gs20 °C]	—	2.589	2.580	2.590	2.582
Pesha Specifike Mesatare e Dheut [Gs20 °C] per test	—	2.585		2.586	
Pesha Specifike Mesatare e Dheut [Gs20 °C]	—	2.585			

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-7(0.23-0.40) m + BH-18(0.24-0.45) m + BH-20(0.24-0.50) m +BH-25(0.18-0.50) m

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 2177

Rezultatet e Testimit

Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	0.0	0.0	100.0	
37.50	0.0	0.0	100.0	
25.00	195.0	9.0	91.0	
19.00	351.0	16.1	83.9	
9.50	744.0	34.2	65.8	
4.75	1062.0	48.8	51.2	SITISJE < 2.00mm
2.00	1316.0	60.5	39.5	
1.18	5.78	64.0	36.0	
0.60	14.47	69.3	30.7	
0.30	23.97	75.1	24.9	
0.15	32.48	80.3	19.7	SEDIMENTIMI
0.075	38.50	84.0	16.0	
0.034	18.51	87.6	12.4	
0.022	19.48	89.0	11.0	
0.013	20.45	90.5	9.5	
0.009	21.42	92.0	8.0	
0.006	22.07	93.0	7.0	
0.003	24.02	96.0	4.0	
0.001	25.31	98.0	2.0	
<0.001		100.0		

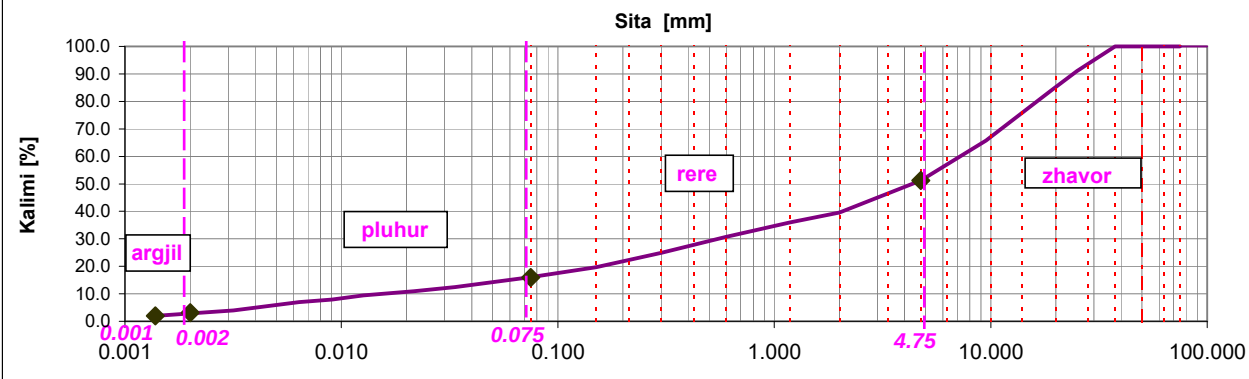
Argjile (%) 3.2

Pluhur (%) 12.8

Rere (%) 35.2

Zhavor (%) 48.8

PARAQITJA GRAFIKE E GRADIMIT TE DHEUT



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri

Purchaser / Porositesi

Sample / Kampioni

"Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

"SDC" Sh.p.k

BH-7(0.23-0.40) m + BH-18(0.24-0.45) m + BH-20(0.24-0.50) m + BH-25(0.18-0.50) m

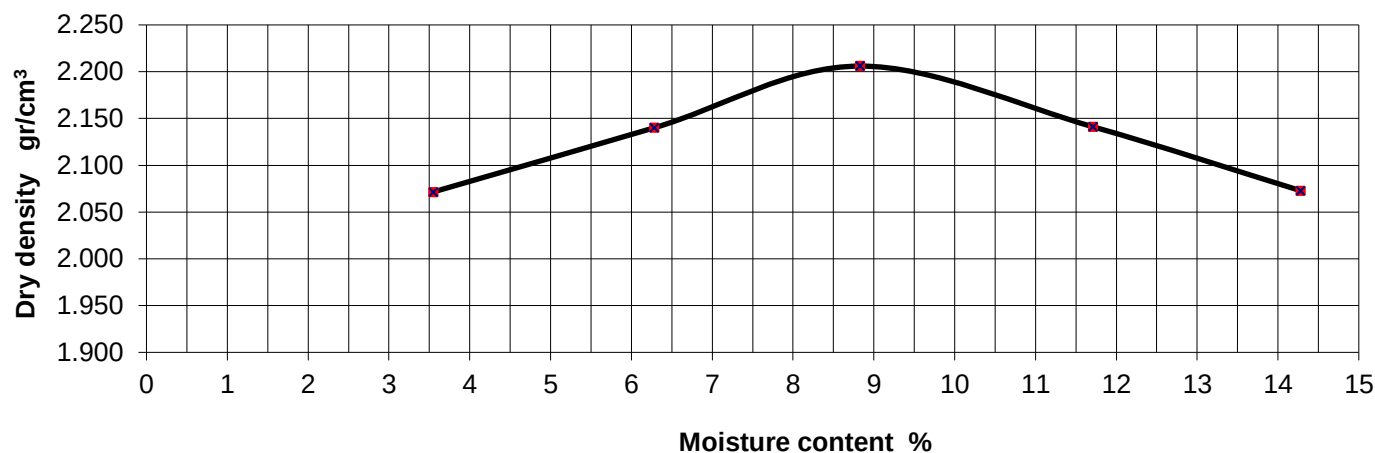
Test Method/ Metodika e proves

ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers

Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa

Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi i Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	9556	9831	10099	10080	10031
Weight of Wet weight / Masa e Materialit te njome	g	4556	4831	5099	5080	5031
Wet density / Densiteti i njome	gr/cm ³	2.145	2.275	2.401	2.392	2.369
Dry density / Densiteti i thate	gr/cm ³	2.071	2.140	2.206	2.141	2.073
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	788	775	796	783	817
Dry weight + tare / Masa e materialit te thate + tave	g	774	751	761	740	762
Weight of water / Masa e ujit	g	14.1	23.6	34.1	42.8	55.2
Dry weight / Masa e materialit te thate	g	399	376	386	365	387
Moisture content / Permbajtja e Lageshtise	%	3.55	6.28	8.83	11.71	14.28



Max, dry density gr/cm ³ Densiteti Maksimal i thate	2.206	Optimum moisture content % Lageshtia optimale	9.01
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CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-7(0.23-0.40) m + BH-18(0.24-0.45) m + BH-20(0.24-0.50) m + BH-25(0.18-0.50) m

Test Method/ Metodika ASTM D 1883-16

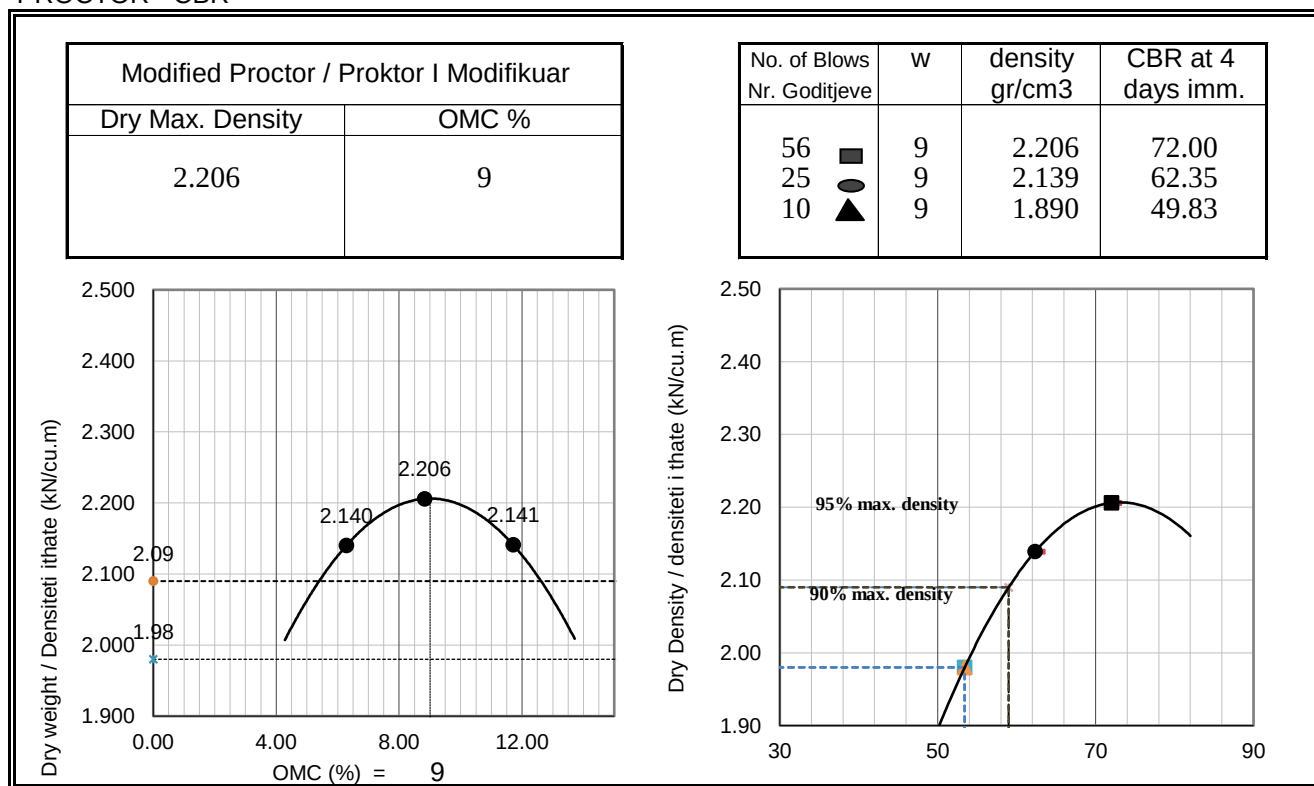
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
1.35	1.25	1.83
1.78	1.58	2.12
0.366	0.283	0.247

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		53.41	58.98

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: [BH-4(0.25-0.65)m + BH-5(0.27-0.55) m+ BH-8(0.20-0.55) m
BH-12(0.18-0.58) m+ BH-16(0.20-0.40) m]

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise)
ne Mase per Dherat dhe Shkembim**

Test - Metoda : ASTM D 2216-10

Pershkrimi vizual i kampionit: Çakell me permasa te ndryshme i cili ne shume vende eshte ngopur me material argjilor dhe nuk funksionon plotesisht.

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	32.21	32.97
Masa e tares+ kampion I njome, Mtknj	[g]	225.64	226.84
Masa e tares + kampion I thare ne furre, Mtkth	[g]	211.59	213.67
Masa e skeletit , Mkth= Mtkth - Mt	[g]	179.38	180.70
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	14.05	13.17
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	7.83	7.29
Permbajtja e Ujit (Mesatare)	[%]	7.56	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

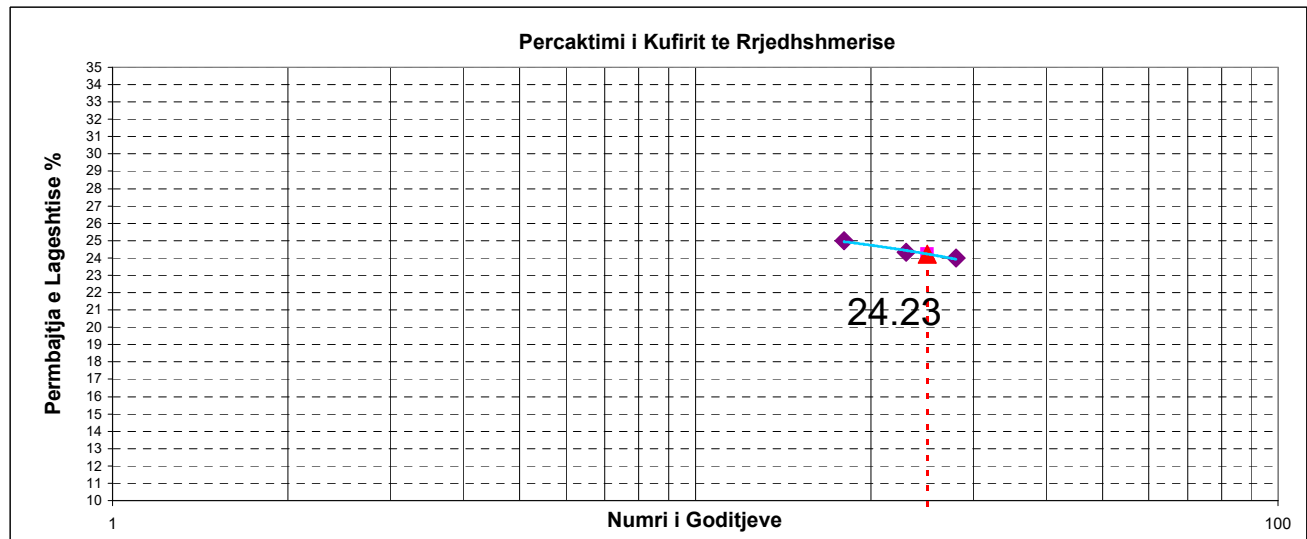
Sonda : Mix: [BH-4(0.25-0.65)m + BH-5(0.27-0.55) m + BH-8(0.20-0.55) m + BH-12(0.18-0.58) m+ BH-16(0.20-0.40) m]

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenierit	B41	B3	A8		A7	A66	
Masa e kontenierit bosh (g)	13	13.653	13.773		20.688	18.091	
Masa e kontenierit me kampionin e njome (g)	43.98	46.33	49.21		25.32	22.41	
Masa e kontenierit me kampionin e thate (g)	37.98	39.94	42.12		24.55	21.71	
Masa e Ujit (gr.)	5.99	6.39	7.09		0.77	0.70	
Masa e kampionit te thate (gr.)	24.98	26.28	28.35		3.87	3.62	
Permbajtja e Lageshtise %	23.99	24.32	25.00		19.79	19.27	
Numri i Goditjeve	28	23	18				



KUFIRI I RRJEDHSHMERISE (W_s) 24.23

INDEKSI I PLASTICITETIT (I_p) 4.70

KUFIRI I PLASTICITETIT (W_p) 19.53

INDEKSI I RRJEDHSHMERISE (I_L) 1.2

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda Mix: [BH-4(0.25-0.65)m + BH-5(0.27-0.55) m + BH-8(0.20-0.55) m + BH-12(0.18-0.58) m+ BH-16(0.20-0.40) m]

Testi : **PESHA SPECIFIKE E DHERAVE QE PERMBAJNE GRIMCA >,< SE SITA 4.75 mm**

Test - Metoda : ASTM D854 - 10
ASTM C127 - 07

Rezultatet e Testimit

TE DHENAT DHE REZULTATET E TESTIMIT	NJESITE	Testi 1		Testi 2	
		> 4.75 mm	< 4.75 mm	> 4.75 mm	< 4.75 mm
Fraksionet e Dheut	%	52.5	47.5	52.5	47.5
Temperatura e Testimit [Tt]	[°C]	20	20.6	20	20.6
Koeficienti I Temperatures [K]	–	1	0.99987	1	0.99987
Densiteti i ujit ne temperaturen e testimit [ρwTt]	[g/mL]	0.99821	0.99808	0.99821	0.99808
Masa mesatare e kalibruar e piknometrit te thate [Mp Tt]	[g]	0.00	166.390	0.000	140.050
Masa (piknometer + uje ne temperaturen e testimit) [Mpw Tt]	[g]	0.00	480.750	0.000	468.480
Volumi mesatar I kalibruar I piknometrit [Vp]	[mL]	0.00	314.96	0.00	329.06
Masa e kampionit te thare ne furre [Ms ose A]	[g]	399.580	60.280	354.300	60.090
Masa (piknometer + uje+dhe ne temerturen e testimit) [MpwsTt]	[g]	0.000	518.270	0.000	505.680
Masa aparente e kampionit te testimit te saturuar ne uje - [Ms ose C]	[g]	250.300	0.000	223.380	0.000
Pesha Specifike e Dheut ne temperaturen e testimit [GsTt]	–	2.677	2.649	2.706	2.625
Pesha Specifike e Dheut ne 20°C per test [Gs20 °C]	–	2.677	2.648	2.706	2.625
Pesha Specifike Mesatare e Dheut [Gs20 °C] per test	–	2.663		2.667	
Pesha Specifike Mesatare e Dheut [Gs20 °C]	–	2.665			

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: [BH-4(0.25-0.65)m + BH-5(0.27-0.55) m+ BH-8(0.20-0.55) m + BH-12(0.18-0.58) m+ BH-16(0.20-0.40) m]

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 2259

Rezultatet e Testimit

Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	0.0	0.0	100.0	
37.50	126.0	5.6	94.4	
25.00	305.0	13.5	86.5	
19.00	458.0	20.3	79.7	
9.50	909.0	40.2	59.8	
4.75	1185.0	52.5	47.5	SITISJE < 2.00mm
2.00	1372.0	60.7	39.3	
1.18	3.49	62.8	37.2	
0.60	10.16	66.9	33.1	
0.30	18.84	72.2	27.8	SEDIMENTIMI
0.15	27.27	77.3	22.7	
0.075	33.71	81.2	18.8	
0.027	21.57	84.9	15.1	
0.018	22.52	86.4	13.6	
0.011	23.79	88.3	11.7	
0.008	24.42	89.3	10.7	
0.006	25.05	90.3	9.7	
0.003	27.58	94.2	5.8	
0.001	29.47	97.1	2.9	
<0.001		100.0		

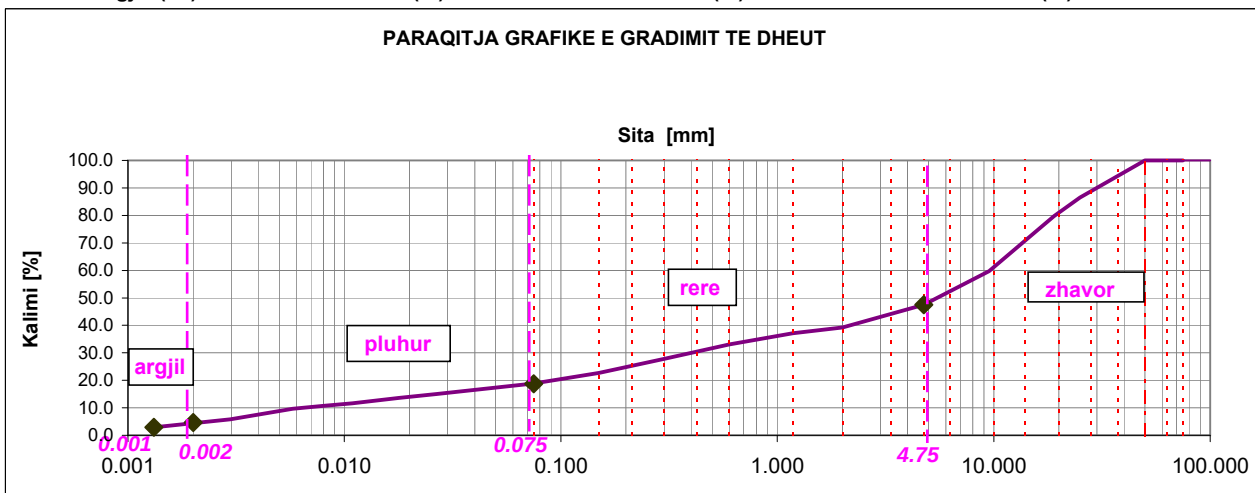
Argjile(%) 4.6

Pluhur(%) 14.2

Rere (%) 28.7

Zhavor (%) 52.5

PARAQITJA GRAFIKE E GRADIMIT TE DHEUT



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri

Purchaser / Porositesi

Sample / Kampioni

"Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

"SDC" Sh.p.k

**[BH-4(0.25-0.65)m + BH-5(0.27-0.55) m + BH-8(0.20-0.55) m + BH-12(0.18-0.58)
m+ BH-16(0.20-0.40) m]**

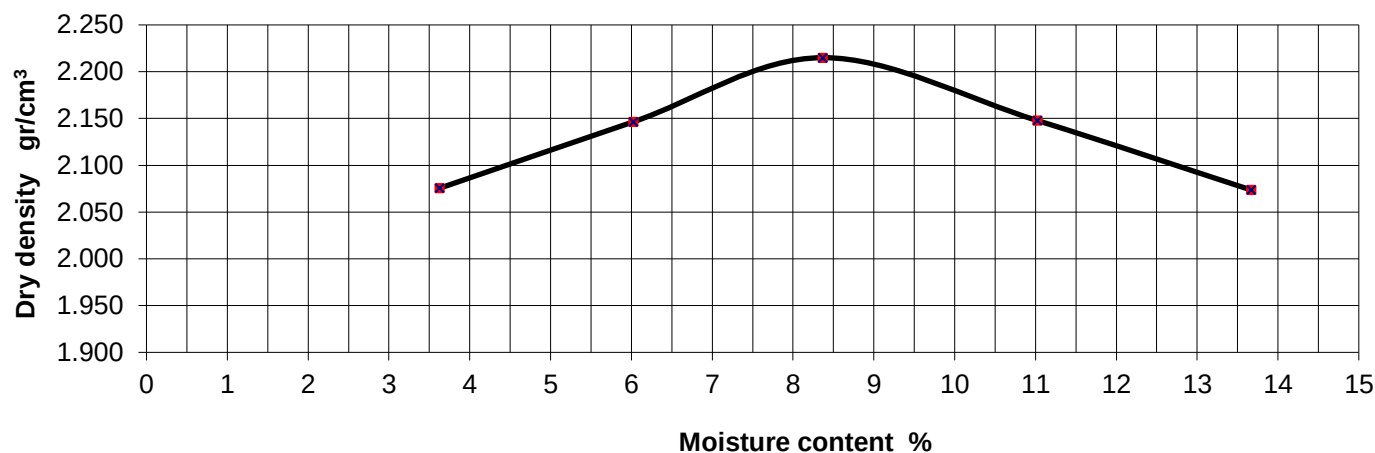
Test Method/ Metodika e proves

ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers

Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa

Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi I Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	9568	9834	10098	10065	10006
Weight of Wet weight / Masa e Materialit te njome	g	4568	4834	5098	5065	5006
Wet density / Densiteti I njome	gr/cm ³	2.151	2.276	2.400	2.385	2.357
Dry density / Densiteti I thate	gr/cm ³	2.075	2.146	2.215	2.148	2.074
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	731	698	749	790	726
Dry weight + tare / Masa e materialit te thate + tave	g	718	680	720	749	684
Weight of water / Masa e ujit	g	12.4	18.4	28.9	41.2	42.2
Dry weight / Masa e materialit te thate	g	343	305	345	374	309
Moisture content / Permbajtja e Lageshtise	%	3.62	6.02	8.37	11.03	13.67



Max, dry density gr/cm³ Densiteti Maksimal I thate	2.215	Optimum moisture content % Lageshtia optimale	8.54
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CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri
Purchaser / Porositesi
Sample / Kampioni

“Projektim Rikonstruksioni i Rugës Përmet- Çarshovë”

“SDC” Sh.p.k

[BH-4(0.25-0.65)m + BH-5(0.27-0.55) m + BH-8(0.20-0.55) m + BH-12(0.18-0.58) m+ BH-16(0.20-0.40) m]

Test Method/ Metodika **ASTM D 1883-16**

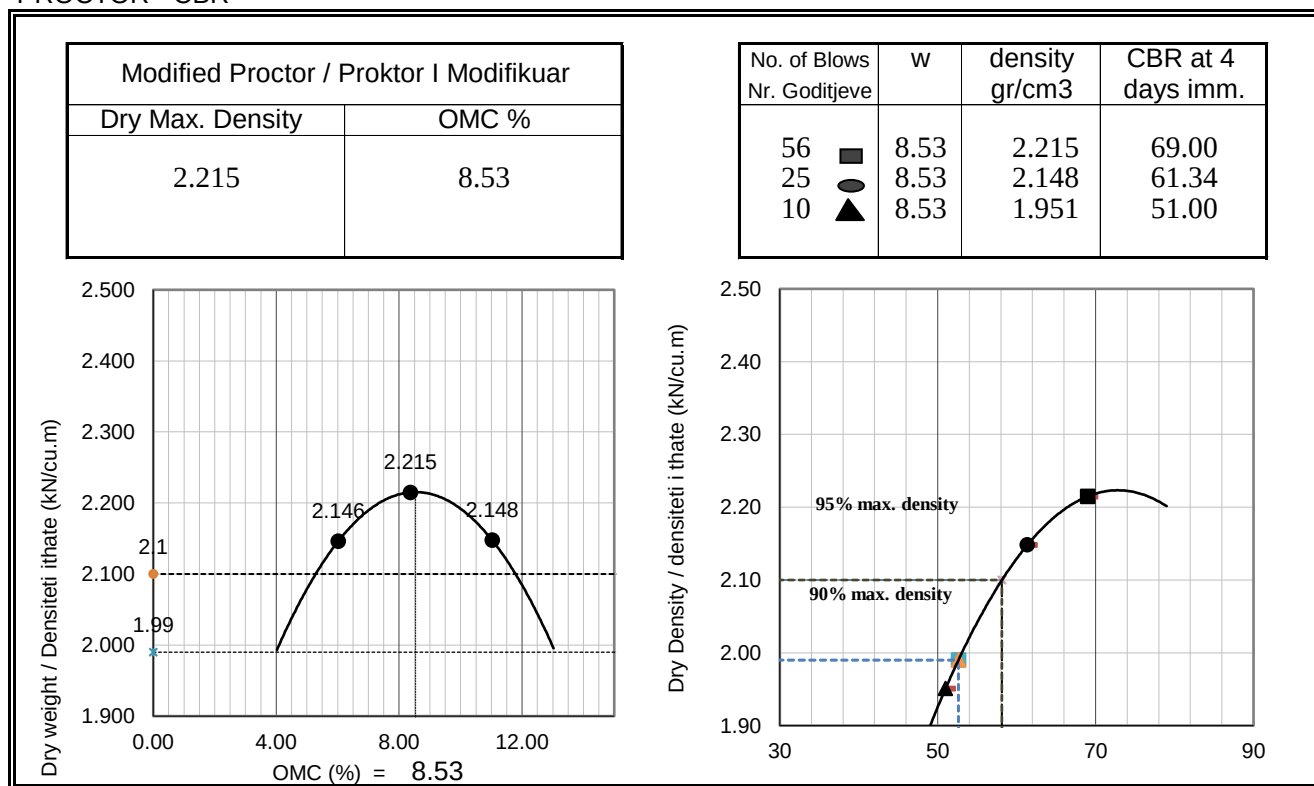
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
1.12	1.38	2.61
1.52	1.68	2.86
0.344	0.258	0.215

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		52.62	58.13

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-4(0.65-1.00) m + BH-5(0.55-1.00) m + BH-6(0.40-1.00)m + BH-15(0.30-1.00) m

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise) ne Mase per Dherat dhe Shkembim**

Test - Metoda : ASTM D 2216-10

Pershkrimi vizual i kampionit: Suargjila te lehta deri ne surera me ngjyre gri, me shume lageshtire, plastike, te buta. Permbajne shtresa te holla rere dhe pak lende organike, jane pak te ngjeshura.

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	78.27	79.64
Masa e tares+ kampion I njome, Mtknj	[g]	196.29	199.69
Masa e tares + kampion I thare ne furre, Mtkth	[g]	182.34	183.79
Masa e skeletit , Mkth= Mtkth - Mt	[g]	104.07	104.15
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	13.95	15.90
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	13.40	15.27
Permbajtja e Ujit (Mesatare)	[%]	14.34	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

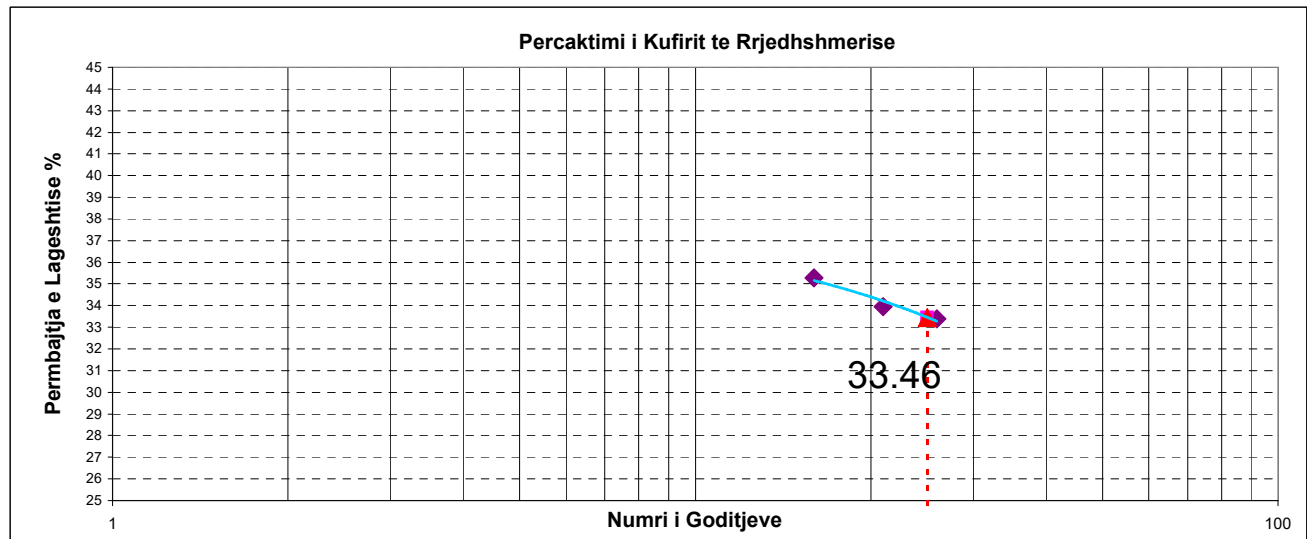
Sonda : Mix: BH-4(0.65-1.00) m + BH-5(0.55-1.00) m + BH-6(0.40-1.00)m + BH-15(0.30-1.00) m

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenierit	B26	B24	B31		A2	A3	
Masa e kontenierit bosh (g)	7.299	9.097	9.838		58.407	56.218	
Masa e kontenierit me kampionin e njome (g)	37.92	36.69	40.00		63.77	61.16	
Masa e kontenierit me kampionin e thate (g)	30.26	29.70	32.13		62.71	60.19	
Masa e Ujit (gr.)	7.67	7.00	7.87		1.06	0.96	
Masa e kampionit te thate (gr.)	22.96	20.60	22.30		4.30	3.98	
Permbajtja e Lageshtise %	33.40	33.96	35.28		24.70	24.20	
Numri i Goditjeve	26	21	16				



KUFIRI I RRJEDHSHMERISE (W_s) 33.46

INDEKSI I PLASTICITETIT (I_p) 9.01

KUFIRI I PLASTICITETIT (W_p) 24.45

INDEKSI I RRJEDHSHMERISE (I_L) 1.2

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-4(0.65-1.00) m + BH-5(0.55-1.00) m + BH-6(0.40-1.00)m + BH-15(0.30-1.00) m

Testi : **PESHA SPECIFIKE E DHERAVE QE PERMBAJNE GRIMCA $>,<$ SE SITA 4.75 mm**

Test - Metoda : ASTM D854 - 10
ASTM C127 - 07

Rezultatet e Testimit

TE DHENAT DHE REZULTATET E TESTIMIT	NJESITE	Testi 1		Testi 2	
		> 4.75 mm	< 4.75 mm	> 4.75 mm	< 4.75 mm
Fraksionet e Dheut	%	29.7	70.3	29.7	70.3
Temperatura e Testimit [Tt]	[°C]	20	20.3	20	20.9
Koeficienti I Temperatures [K]	–	1	0.99994	1	0.99981
Densiteti i ujit ne temperaturen e testimit [ρwTt]	[g/mL]	0.99821	0.99814	0.99821	0.99802
Masa mesatare e kalibruar e piknometrit te thate [Mp Tt]	[g]	0.00	196.690	0.000	166.370
Masa (piknometre + uje ne temperaturen e testimit) [Mpw Tt]	[g]	0.00	519.980	0.000	480.520
Volumi mesatar I kalibruar I piknometrit [Vp]	[mL]	0.00	323.89	0.00	314.77
Masa e kampionit te thare ne furre [Ms ose A]	[g]	406.820	60.150	324.180	60.200
Masa (piknometre + uje+dhe ne temerturen e testimit) [MpwsTt]	[g]	0.000	557.280	0.000	517.710
Masa aparente e kampionit te testimit te saturuar ne uje - [Ms ose C]	[g]	254.900	0.000	202.130	0.000
Pesha Specifike e Dheut ne temperaturen e testimit [GsTt]	–	2.678	2.632	2.656	2.616
Pesha Specifike e Dheut ne 20°C per test [Gs 20 °C]	–	2.678	2.632	2.656	2.616
Pesha Specifike Mesatare e Dheut [Gs 20 °C] per test	–	2.646		2.628	
Pesha Specifike Mesatare e Dheut [Gs 20 °C]	–	2.637			

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-4(0.65-1.00) m + BH-5(0.55-1.00) m + BH-6(0.40-1.00)m +
BH-15(0.30-1.00) m

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 2257

Rezultatet e Testimit

Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	0.0	0.0	100.0	
37.50	0.0	0.0	100.0	
25.00	190.0	8.4	91.6	
19.00	265.0	11.7	88.3	
9.50	478.0	21.2	78.8	
4.75	670.0	29.7	70.3	
2.00	826.0	36.6	63.4	SITISJE < 2.00mm
1.18	1.95	38.5	61.5	
0.60	4.55	41.1	58.9	
0.30	7.67	44.2	55.8	
0.15	11.67	48.2	51.8	
0.075	16.26	52.7	47.3	SEDIMENTIMI
0.027	24.20	62.1	37.9	
0.018	26.76	66.1	33.9	
0.011	29.85	70.8	29.2	
0.008	32.42	74.7	25.3	
0.006	34.99	78.7	21.3	
0.003	39.61	85.8	14.2	
0.001	43.21	91.3	8.7	
<0.001		100.0		

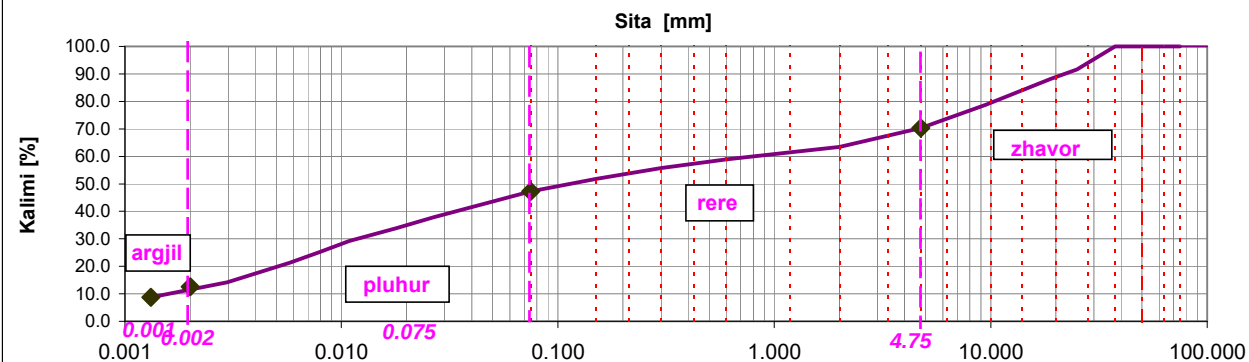
Argjile (%) 12.6

Pluhur (%) 34.7

Rere (%) 23

Zhavor (%) 29.7

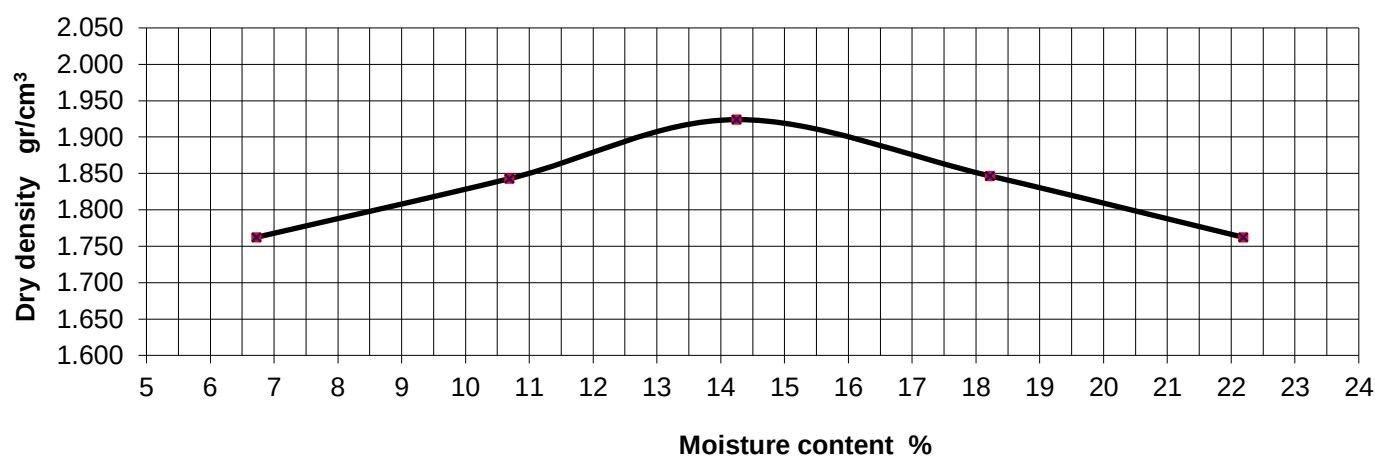
PARAQITJA GRAFIKE E GRADIMIT TE DHEUT



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-4(0.65-1.00) m + BH-5(0.55-1.00) m + BH-6(0.40-1.00)m + BH-15(0.30-1.00) m
Test Method/ Metodika e proves ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers						
Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa						
Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi I Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	8995	9333	9669	9637	9574
Weight of Wet weight / Masa e Materialit te njome	g	3995	4333	4669	4637	4574
Wet density / Densiteti I njome	gr/cm ³	1.881	2.040	2.198	2.183	2.153
Dry density / Densiteti I thate	gr/cm3	1.762	1.843	1.924	1.847	1.762
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	721	782	859	765	867
Dry weight + tare / Masa e materialit te thate + tave	g	699	742	799	705	778
Weight of water / Masa e ujit	g	21.8	39.3	60.4	60.0	89.4
Dry weight / Masa e materialit te thate	g	324	367	424	330	403
Moisture content / Permbajtja e Lageshtise	%	6.73	10.69	14.25	18.22	22.19



Max, dry density gr/cm ³ Densiteti Maksimal I thate	1.924	Optimum moisture content % Lageshtia optimale	14.50
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CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-4(0.65-1.00) m + BH-5(0.55-1.00) m + BH-6(0.40-1.00)m + BH-15(0.30-1.00) m

Test Method/ Metodika ASTM D 1883-16

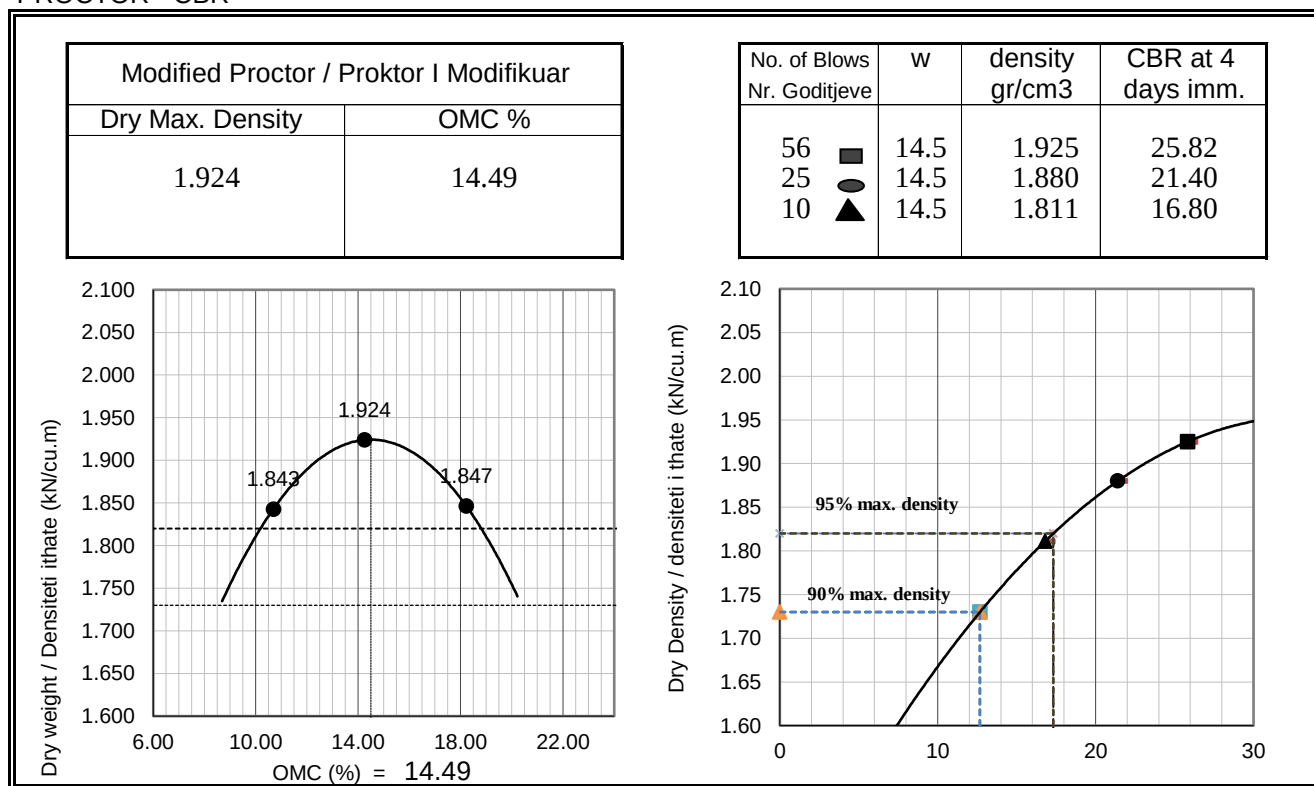
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
5.27	4.23	2.35
7.80	6.50	4.40
2.173	1.950	1.761

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		12.67	17.32

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-1(0.0.65-1.00) m + BH-2(0.50-1.00) m + BH-3(0.45-1.00)m +
BH-9(0.40-1.00) m + BH-16(0.45-1.00)m

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise) ne
Mase per Dherat dhe Shkembim**

Test - Metoda : ASTM D 2216-10

Pershkrimi vizual i kampionit: Suargjila te lehta deri ne surera me ngjyre gri, me shume lageshtire,
plastike, te buta. Permbajne shtresa te holla rere dhe pak lende
organike, jane pak te ngjeshura.

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	65.19	65.22
Masa e tares+ kampion I njome, Mtknj	[g]	284.44	321.96
Masa e tares + kampion I thare ne furre, Mtkth	[g]	255.84	288.62
Masa e skeletit , Mkth= Mtkth - Mt	[g]	190.65	223.40
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	28.60	33.34
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	15.00	14.92
Permbajtja e Ujit (Mesatare)	[%]	14.96	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

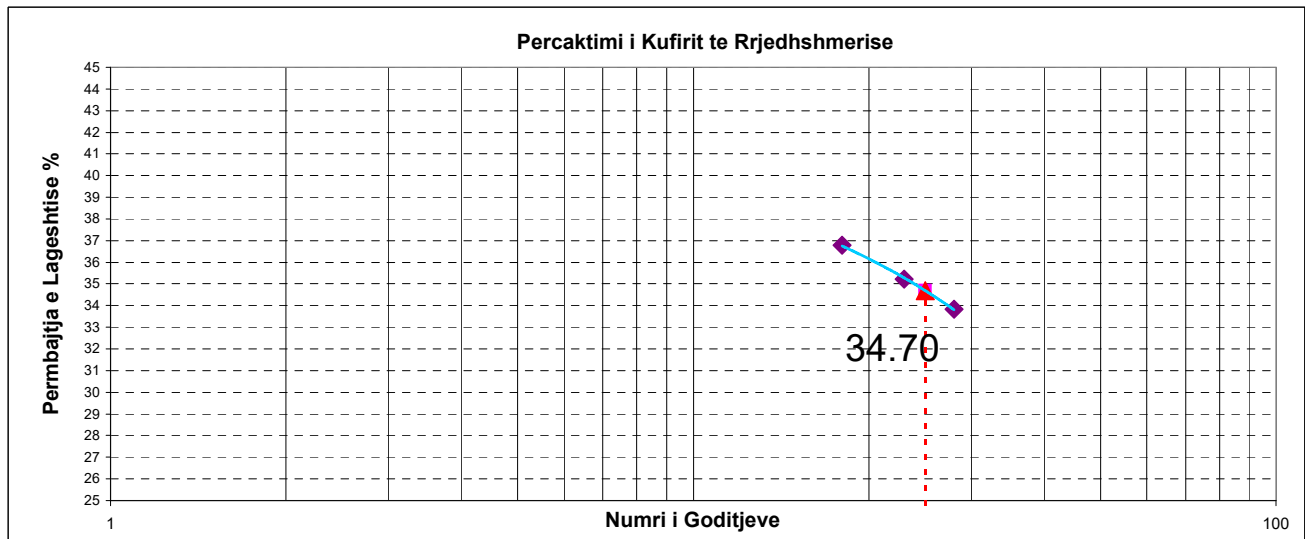
Sonda : Mix: BH-1(0.0.65-1.00) m + BH-2(0.50-1.00) m + BH-3(0.45-1.00)m + BH-9(0.40-1.00) m + BH-16(0.45-1.00)m

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenierit	B7	B19	B29		A60	A80	
Masa e kontenierit bosh (g)	9.132	13.577	7.277		18.072	18.038	
Masa e kontenierit me kampionin e njome (g)	38.50	41.63	32.93		23.53	22.47	
Masa e kontenierit me kampionin e thate (g)	31.07	34.32	26.03		22.47	21.62	
Masa e Ujit (gr.)	7.43	7.31	6.90		1.07	0.86	
Masa e kampionit te thate (gr.)	21.94	20.75	18.76		4.40	3.58	
Permbajtja e Lageshtise %	33.85	35.22	36.78		24.25	23.88	
Numri i Goditjeve	28	23	18				



KUFIRI I RRJEDHSHMERISE (W_s) 34.70

INDEKSI I PLASTICITETIT (I_p) 10.63

KUFIRI I PLASTICITETIT (W_p) 24.07

INDEKSI I RRJEDHSHMERISE (I_L) 1.1

Projekti: "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti :

"SDC" Sh.p.k

Sonda : Mix: BH-1(0.0.65-1.00) m + BH-2(0.50-1.00) m + BH-3(0.45-1.00)m +
BH-9(0.40-1.00) m + BH-16(0.45-1.00)m

Testi :

PESHA SPECIFIKE E DHERAVE ME PIKNOMETER ME UJE (<4.75MM)

Test - Metoda :

ASTM D 854 -14

TE DHENAT E TESTIMIT DHE REZULTATET PER DHERAT < 4.75 MM			
	NJESITE	TEST 1	TEST 2
Temperatura e Testimit	[°C]	18.6	19.8
Densiteti I ujit ne temperaturen e testit [$\rho_w T_t$]	[g/mL]	0.99848	0.99825
Masa mesatare e kalibruar e Piknometrit te Thate [M_p]	[g]	204.360	128.200
Volumi mesatar I kalibruar I Piknometrit [V_p]	[mL]	323.001	319.950
Masa (piknometer + uje ne temperaturen e testimit) [$M_{pw T_t}$]	[g]	526.87	447.59
Masa e kampionit te thare ne furre [M_s]	[g]	60.240	60.310
Masa (piknometer + uje+dhe ne temperaturen e testimit) [$M_{pws T_t}$]	[g]	564.000	484.940
Pesha Specifike e dheut ne temperaturen e testimit [G_{sT_t}]		2.607	2.627
Koeficienti I Temperatures [K]	—	1.00028	1.00004
Pesha Specifike e dheut ne 20°C per secilin test [$G_{s20}^{\circ C}$]	—	2.607	2.627
Pesha Specifike Mesatare [$G_{s20}^{\circ C}$]	—	2.617	

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-1(0.0.65-1.00) m + BH-2(0.50-1.00) m + BH-3(0.45-1.00)m +
BH-9(0.40-1.00) m + BH-16(0.45-1.00)m

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 1774

Rezultatet e Testimit

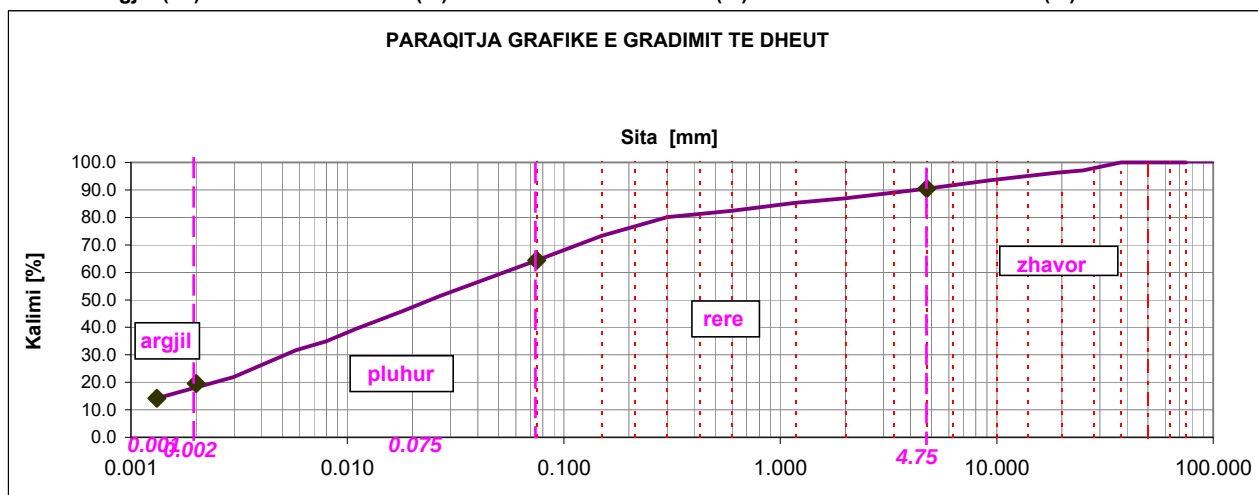
Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	0.0	0.0	100.0	
37.50	0.0	0.0	100.0	
25.00	52.0	2.9	97.1	
19.00	66.0	3.7	96.3	
9.50	114.0	6.4	93.6	
4.75	169.0	9.5	90.5	
2.00	231.0	13.0	87.0	SITISJE < 2.00mm
1.18	1.22	14.7	85.3	
0.60	3.31	17.6	82.4	
0.30	5.02	19.9	80.1	
0.15	9.95	26.7	73.3	
0.075	16.40	35.6	64.4	SEDIMENTIMI
0.027	15.24	48.6	51.4	
0.018	18.80	54.1	45.9	
0.011	23.07	60.7	39.3	
0.008	25.91	65.0	35.0	
0.006	28.04	68.3	31.7	
0.003	34.45	78.1	21.9	
0.001	39.42	85.8	14.2	
<0.001		100.0		

Argjile(%) 19.5

Pluhur(%) 44.9

Rere (%) 26.1

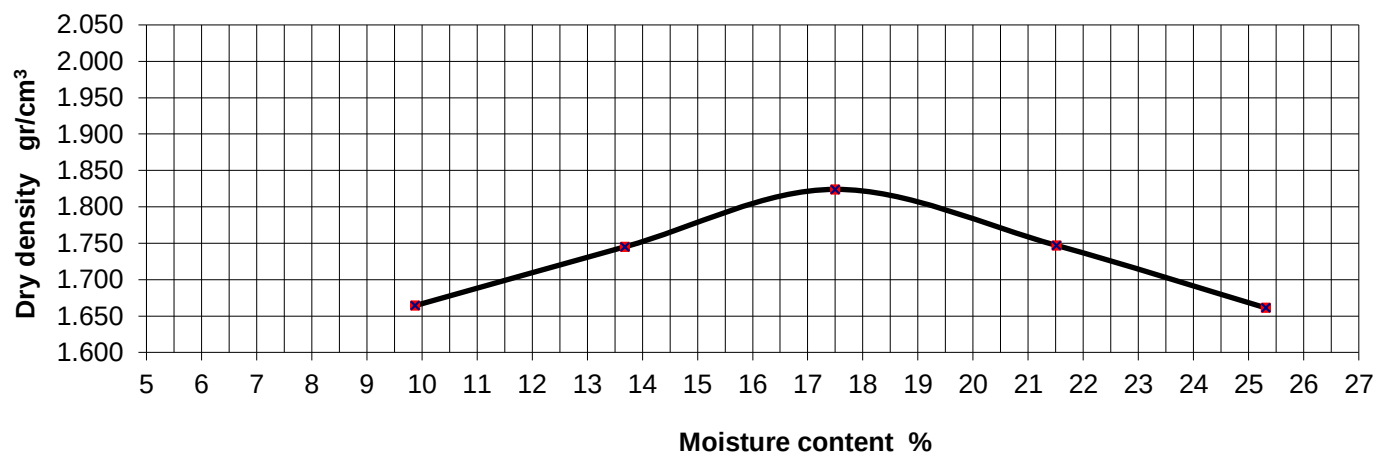
Zhavor (%) 9.5



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-1(0.0.65-1.00) m + BH-2(0.50-1.00) m + BH-3(0.45-1.00)m + BH-9(0.40-1.00) m + BH-16(0.45-1.00)m
Test Method/ Metodika e proves ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers						
Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa						
Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi I Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	8884	9214	9552	9509	9421
Weight of Wet weight / Masa e Materialit te njome	g	3884	4214	4552	4509	4421
Wet density / Densiteti I njome	gr/cm ³	1.829	1.984	2.143	2.123	2.082
Dry density / Densiteti I thate	gr/cm3	1.664	1.745	1.824	1.747	1.661
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	709	720	753	769	849
Dry weight + tare / Masa e materialit te thate + tave	g	679	679	697	700	754
Weight of water / Masa e ujit	g	30.1	41.6	56.3	69.8	95.8
Dry weight / Masa e materialit te thate	g	304	304	322	325	379
Moisture content / Permbajtja e Lageshtise	%	9.88	13.68	17.50	21.52	25.31



Max, dry density gr/cm ³ Densiteti Maksimal I thate	1.824	Optimum moisture content % Lageshtia optimale	17.62
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CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri
Purchaser / Porositesi
Sample / Kampioni

“Projektim Rikonstruksioni i Rugës Përmet- Çarshovë”

“SDC” Sh.p.k

BH-1(0.065-1.00) m + BH-2(0.50-1.00) m + BH-3(0.45-1.00)m + BH-9(0.40-1.00) m + BH-16(0.45-1.00)m

Test Method/ Metodika **ASTM D 1883-16**

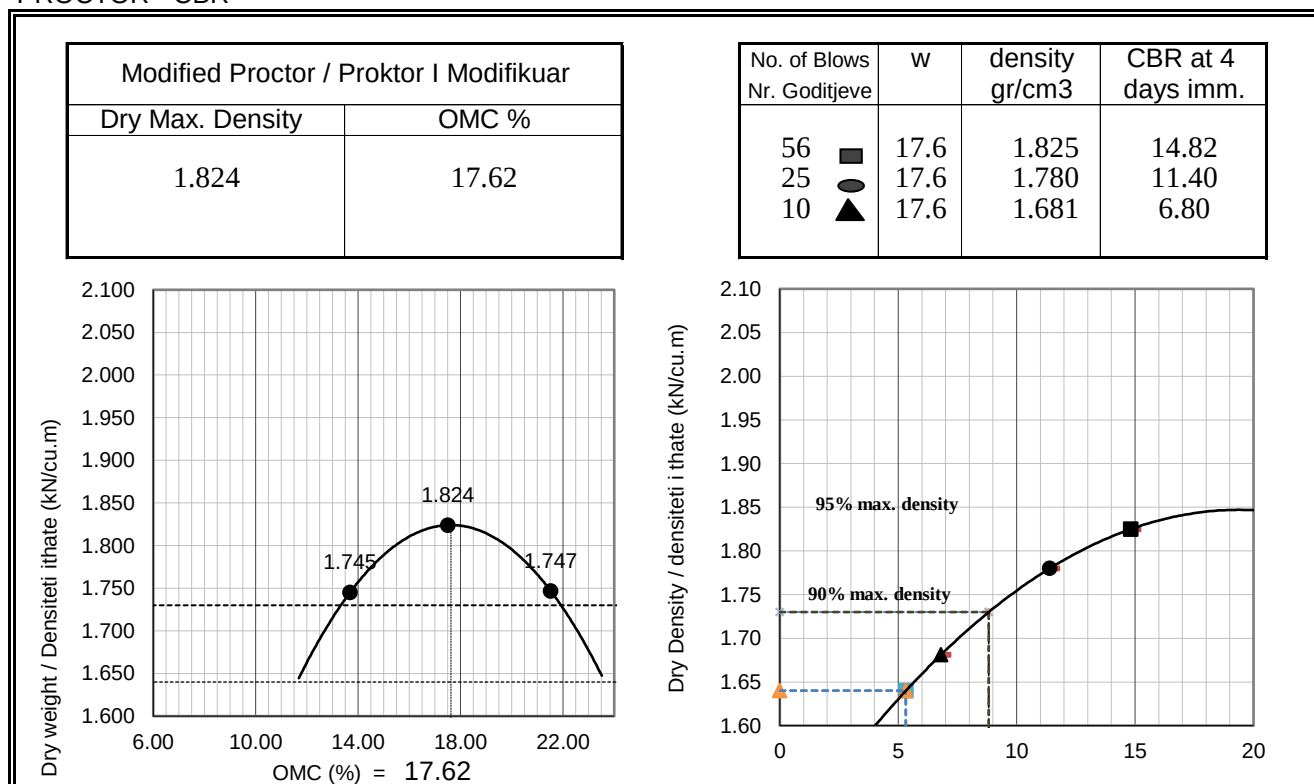
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
4.21	5.62	3.26
7.59	8.75	6.02
2.903	2.688	2.371

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		5.32	8.82

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-19(0.40-1.00) m + BH-24(0.30-1.00) m + BH-25(0.50-1.00)m + BH-28(0.75-1.00) m

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise) ne Mase per Dherat dhe Shkembim**

Test - Metoda : ASTM D 2216-10

Pershkrimi vizual i kampionit: Suargjila te lehta deri ne surera me ngjyre gri, me shume lageshtire, plastike, te buta. Permbajne shtresa te holla rere dhe pak lende organike, jane pak te ngjeshura.

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	86.59	46.96
Masa e tares+ kampion I njome, Mtknj	[g]	316.31	274.61
Masa e tares + kampion I thare ne furre, Mtkth	[g]	291.39	249.76
Masa e skeletit , Mkth= Mtkth - Mt	[g]	204.80	202.80
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	24.92	24.85
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	12.17	12.25
Permbajtja e Ujit (Mesatare)	[%]	12.21	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

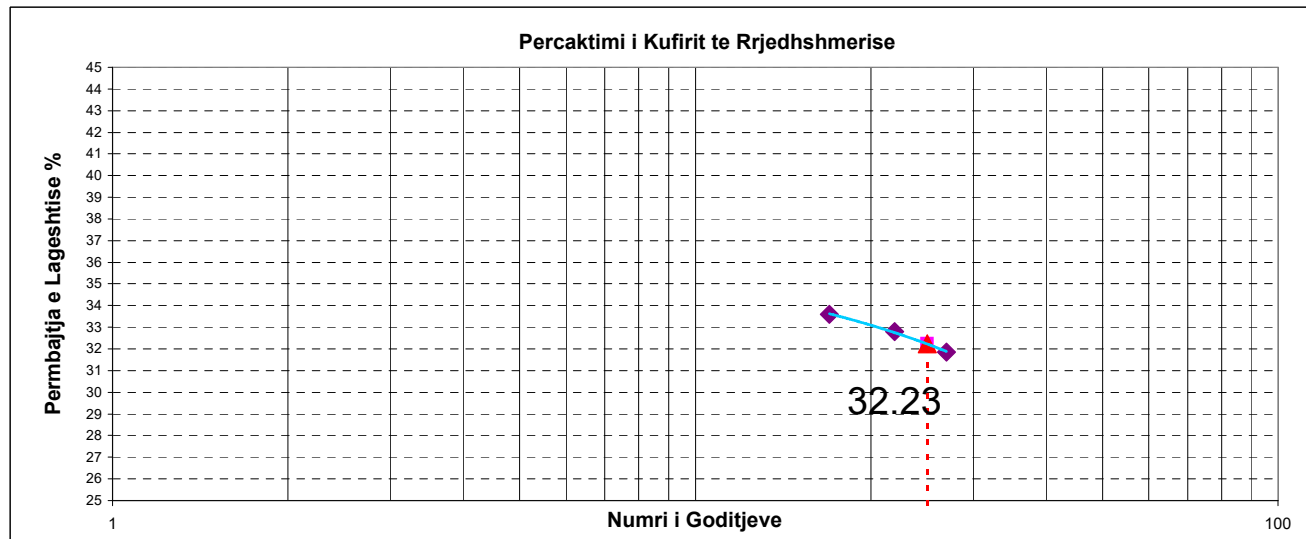
Sonda : Mix: BH-19(0.40-1.00) m + BH-24(0.30-1.00) m + BH-25(0.50-1.00)m + BH-28(0.75-1.00) m

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenierit	B14	B21	B19		A80	A30	
Masa e konteinerit bosh (g)	13.743	9.049	13.574		18.037	18.265	
Masa e konteinerit me kampionin e njome (g)	56.01	51.51	50.97		22.70	23.34	
Masa e konteinerit me kampionin e thate (g)	45.80	41.03	41.57		21.84	22.40	
Masa e Ujit (gr.)	10.21	10.49	9.41		0.86	0.95	
Masa e kampionit te thate (gr.)	32.05	31.98	27.99		3.81	4.13	
Permbajtja e Lageshtise %	31.86	32.79	33.60		22.63	22.88	
Numri i Goditjeve	27	22	17				



KUFIRI I RRJEDHSHMERISE (W_s) 32.23

INDEKSI I PLASTICITETIT (I_p) 9.48

KUFIRI I PLASTICITETIT (W_p) 22.75

INDEKSI I RRJEDHSHMERISE (I_L) 1.3

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet-Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda Mix: BH-19(0.40-1.00) m + BH-24(0.30-1.00) m + BH-25(0.50-1.00)m + BH-28(0.75-1.00) m

Testi :

PESHA SPECIFIKE E DHERAVE QE PERMBAJNE GRIMCA >,< SE SITA 4.75 mm

Test - Metoda :

ASTM D854 - 10

ASTM C127 - 07

Rezultatet e Testimit

TE DHENAT DHE REZULTATET E TESTIMIT	NJESITE	Testi 1		Testi 2	
		> 4.75 mm	< 4.75 mm	> 4.75 mm	< 4.75 mm
Fraksionet e Dheut	%	12	88	12	88
Temperatura e Testimit [Tt]	[°C]	20	20.1	20	20.9
Koeficienti I Temperatures [K]	—	1	0.99998	1	0.99981
Densiteti i ujit ne temperaturen e testimit [ρwTt]	[g/mL]	0.99821	0.99819	0.99821	0.99802
Masa mesatare e kalibruar e piknometrit te thate [Mp Tt]	[g]	0.00	204.200	0.000	166.370
Masa (piknometre + uje ne temperaturen e testimit) [Mpw Tt]	[g]	0.00	526.870	0.000	480.520
Volumi mesatar I kalibruar I piknometrit [Vp]	[mL]	0.00	323.26	0.00	314.77
Masa e kampionit te thare ne furre [Ms ose A]	[g]	157.390	60.260	208.560	60.200
Masa (piknometre + uje+dhe ne temerturen e testimit) [MpwsTt]	[g]	0.000	564.050	0.000	517.710
Masa aparente e kampionit te testimit te saturuar ne uje - [Ms ose C]	[g]	100.690	0.000	133.260	0.000
Pesha Specifike e Dheut ne temperaturen e testimit [GsTt]	—	2.776	2.611	2.770	2.616
Pesha Specifike e Dheut ne 20°C per test [Gs 20 °C]	—	2.776	2.611	2.770	2.616
Pesha Specifike Mesatare e Dheut [Gs 20 °C] per test	—	2.630		2.633	
Pesha Specifike Mesatare e Dheut [Gs 20 °C]	—	2.631			

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-19(0.40-1.00) m + BH-24(0.30-1.00) m + BH-25(0.50-1.00)m +
BH-28(0.75-1.00) m

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 1960

Rezultatet e Testimit

Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	0.0	0.0	100.0	
37.50	0.0	0.0	100.0	
25.00	53.0	2.7	97.3	
19.00	92.0	4.7	95.3	
9.50	146.0	7.4	92.6	
4.75	236.0	12.0	88.0	
2.00	338.0	17.2	82.8	
1.18	1.33	19.0	81.0	SITISJE < 2.00mm
0.60	3.63	22.0	78.0	
0.30	6.20	25.3	74.7	
0.15	9.90	30.1	69.9	
0.075	14.73	36.3	63.7	
0.027	16.97	48.5	51.5	SEDIMENTIMI
0.018	21.01	54.7	45.3	
0.011	26.40	62.9	37.1	
0.008	28.43	66.0	34.0	
0.006	31.79	71.1	28.9	
0.003	37.86	80.4	19.6	
0.001	43.92	89.7	10.3	
<0.001		100.0		

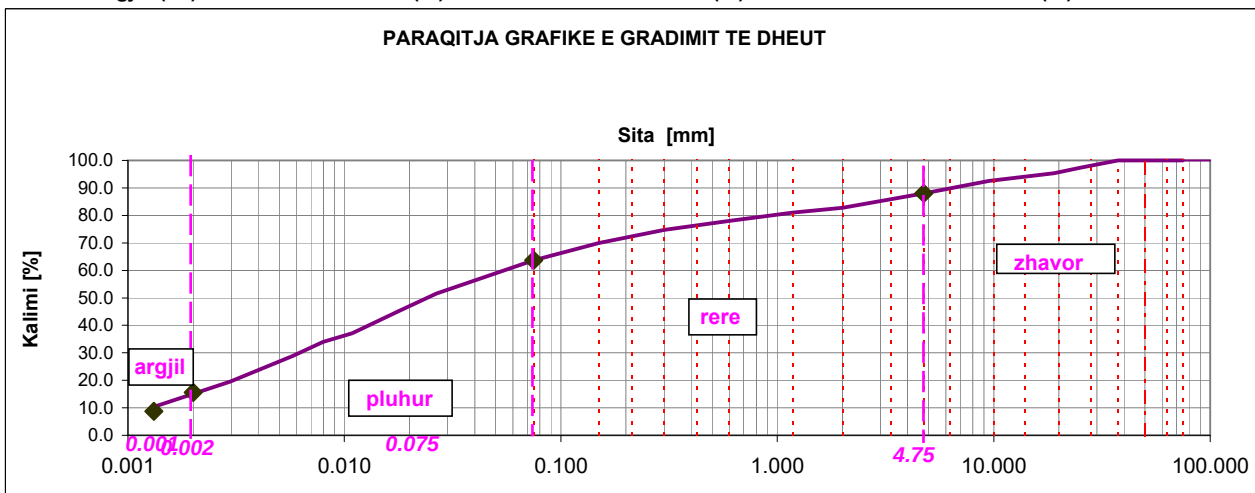
Argjile (%) 15.6

Pluhur (%) 48.1

Rere (%) 24.3

Zhavor (%) 12.0

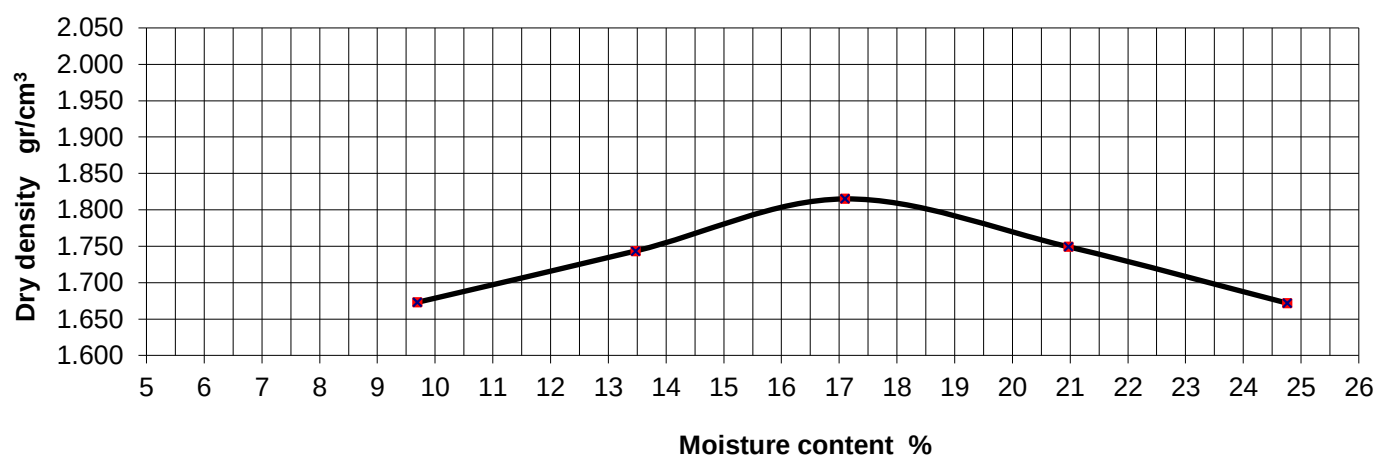
PARAQITJA GRAFIKE E GRADIMIT TE DHEUT



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-19(0.40-1.00) m + BH-24(0.30-1.00) m + BH-25(0.50-1.00)m + BH-28(0.75-1.00) m
Test Method/ Metodika e proves ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers						
Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa						
Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi I Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	8898	9202	9514	9494	9430
Weight of Wet weight / Masa e Materialit te njome	g	3898	4202	4514	4494	4430
Wet density / Densiteti I njome	gr/cm ³	1.835	1.978	2.125	2.116	2.086
Dry density / Densiteti I thate	gr/cm3	1.673	1.743	1.815	1.749	1.672
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	794	758	834	809	843
Dry weight + tare / Masa e materialit te thate + tave	g	757	712	767	733	750
Weight of water / Masa e ujit	g	37.0	45.5	67.1	75.2	92.9
Dry weight / Masa e materialit te thate	g	382	337	392	358	375
Moisture content / Permbajtja e Lageshtise	%	9.69	13.47	17.10	20.97	24.76



Max, dry density gr/cm ³ Densiteti Maksimal I thate	1.815	Optimum moisture content % Lageshtia optimale	17.30
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CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri
Purchaser / Porositesi
Sample / Kampioni

“Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë”
“SDC” Sh.p.k

BH-19(0.40-1.00) m + BH-24(0.30-1.00) m + BH-25(0.50-1.00)m + BH-28(0.75-1.00) m

Test Method/ Metodika **ASTM D 1883-16**

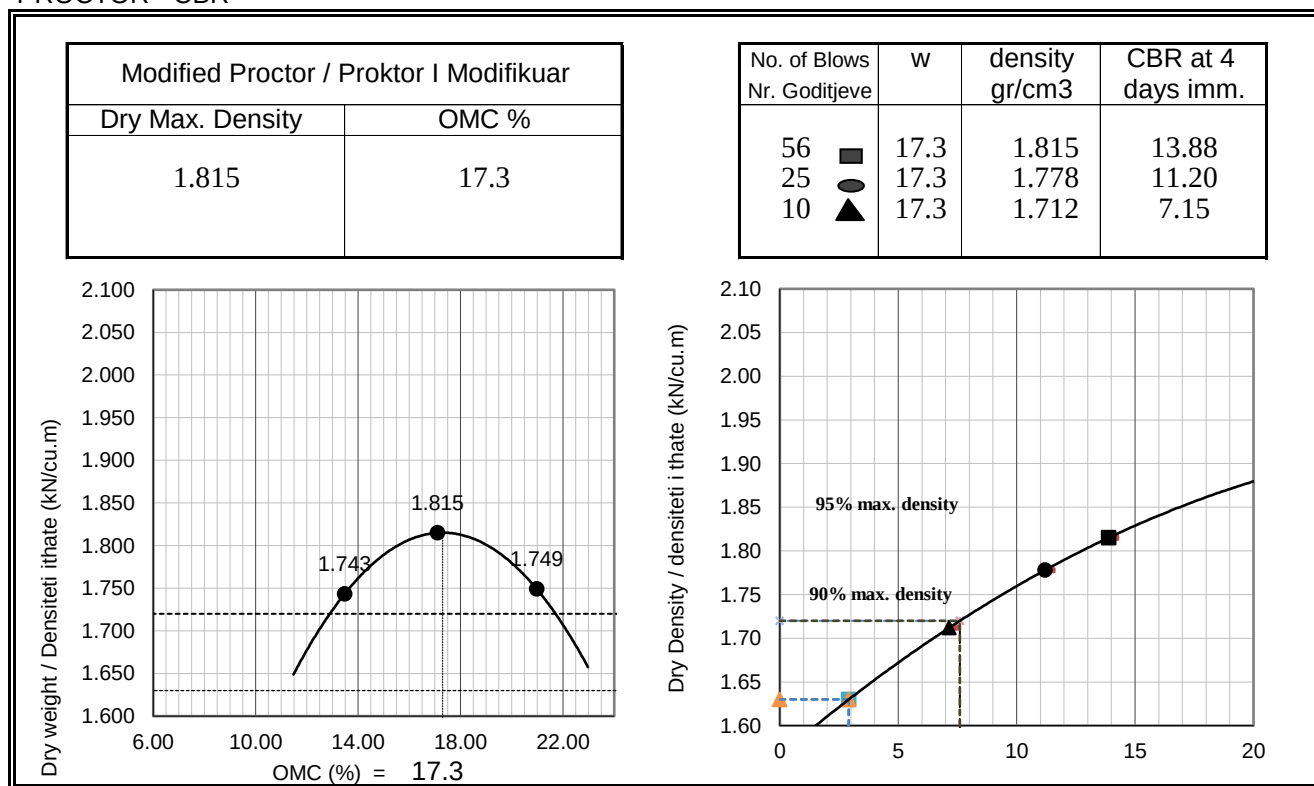
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
4.15	5.43	3.06
7.52	8.54	5.96
2.894	2.671	2.491

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		2.91	7.60

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-7(0.40-1.00) m + BH-8(0.50-1.00) m + BH-17(0.50-1.00)m

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise) ne
Mase per Dherat dhe Shkembim**

Test - Metoda : **ASTM D 2216-10**

Pershkrimi vizual i kampionit: Argjilite dhe alevrolite intensivisht te perajruara, jane me ngjyre gri, jane me lageshtire, jane me çimentim te dobet, te ngjeshura

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	78.49	79.17
Masa e tares+ kampion I njome, Mtknj	[g]	293.79	270.37
Masa e tares + kampion I thare ne furre, Mtkth	[g]	281.59	260.10
Masa e skeletit , Mkth= Mtkth - Mt	[g]	203.10	180.93
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	12.20	10.27
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	6.01	5.68
Permbajtja e Ujit (Mesatare)	[%]	5.84	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

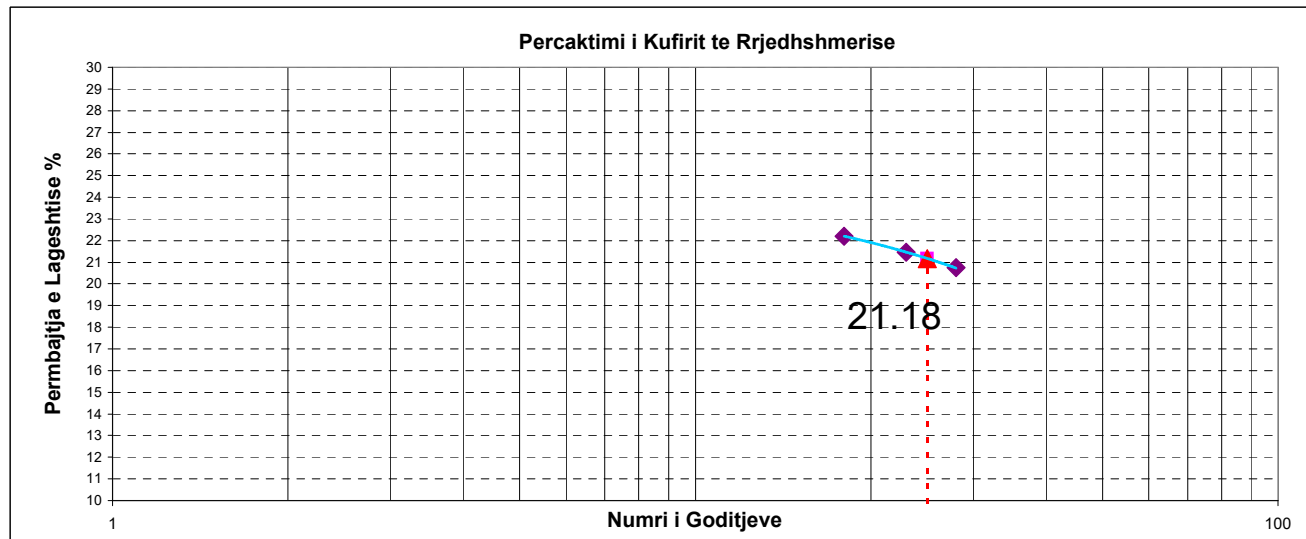
Sonda : Mix: BH-7(0.40-1.00) m + BH-8(0.50-1.00) m + BH-17(0.50-1.00)m

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenerit	B41	B3	A8		A7	A66	
Masa e kontenerit bosh (g)	13.745	13.763	13.773		20.676	18.266	
Masa e kontenerit me kampionin e njome (g)	43.98	47.93	48.42		24.96	23.73	
Masa e kontenerit me kampionin e thate (g)	38.78	41.89	42.12		24.39	23.04	
Masa e Ujit (gr.)	5.19	6.04	6.30		0.57	0.69	
Masa e kampionit te thate (gr.)	25.04	28.13	28.35		3.72	4.77	
Permbajtja e Lageshtise %	20.74	21.47	22.21		15.33	14.54	
Numri i Goditjeve	28	23	18				



KUFIRI I RRJEDHSHMERISE (W_s) 21.18

INDEKSI I PLASTICITETIT (I_p) 6.24

KUFIRI I PLASTICITETIT (W_p) 14.94

INDEKSI I RRJEDHSHMERISE (I_L) 0.9

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-7(0.40-1.00) m + BH-8(0.50-1.00) m + BH-17(0.50-1.00)m

Testi : **PESHA SPECIFIKE E DHERAVE QE PERMBAJNE GRIMCA $>,<$ SE SITA 4.75 mm**

Test - Metoda : ASTM D854 - 10
ASTM C127 - 07

Rezultatet e Testimit

TE DHENAT DHE REZULTATET E TESTIMIT	NJESITE	Testi 1		Testi 2	
		> 4.75 mm	< 4.75 mm	> 4.75 mm	< 4.75 mm
Fraksionet e Dheut	%	54.6	45.4	54.6	45.4
Temperatura e Testimit [Tt]	[°C]	20	20.4	20	20.6
Koeficienti I Temperatures [K]	–	1	0.99992	1	0.99987
Densiteti i ujit ne temperaturen e testimit [ρwTt]	[g/mL]	0.99821	0.99812	0.99821	0.99808
Masa mesatare e kalibruar e piknometrit te thate [Mp Tt]	[g]	0.00	165.420	0.000	140.050
Masa (piknomete + uje ne temperaturen e testimit) [Mpw Tt]	[g]	0.00	479.910	0.000	468.480
Volumi mesatar I kalibruar I piknometrit [Vp]	[mL]	0.00	315.08	0.00	329.06
Masa e kampionit te thare ne furre [Ms ose A]	[g]	362.500	60.250	260.530	60.260
Masa (piknomete + uje+dhe ne temerturen e testimit) [MpwsTt]	[g]	0.000	517.580	0.000	506.020
Masa aparente e kampionit te testimit te saturuar ne uje - [Ms ose C]	[g]	228.900	0.000	164.210	0.000
Pesha Specifike e Dheut ne temperaturen e testimit [GsTt]	–	2.713	2.668	2.705	2.652
Pesha Specifike e Dheut ne 20°C per test [Gs20 °C]	–	2.713	2.668	2.705	2.652
Pesha Specifike Mesatare e Dheut [Gs20 °C] per test	–	2.693		2.681	
Pesha Specifike Mesatare e Dheut [Gs20 °C]	–	2.687			

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-7(0.40-1.00) m + BH-8(0.50-1.00) m + BH-17(0.50-1.00)m

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 3290

Rezultatet e Testimit

Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	406.0	12.3	87.7	
37.50	724.0	22.0	78.0	
25.00	1010.0	30.7	69.3	
19.00	1192.0	36.2	63.8	
9.50	1502.0	45.7	54.3	
4.75	1797.0	54.6	45.4	
2.00	2049.0	62.3	37.7	SITISJE < 2.00mm
1.18	3.89	64.5	35.5	
0.60	11.79	69.1	30.9	
0.30	21.11	74.6	25.4	
0.15	28.89	79.1	20.9	
0.075	34.56	82.4	17.6	SEDIMENTIMI
0.027	21.22	85.6	14.4	
0.018	22.12	87.0	13.0	
0.011	23.33	88.9	11.1	
0.008	24.54	90.7	9.3	
0.006	25.75	92.6	7.4	
0.003	27.56	95.4	4.6	
0.001	29.07	97.7	2.3	
<0.001		100.0		

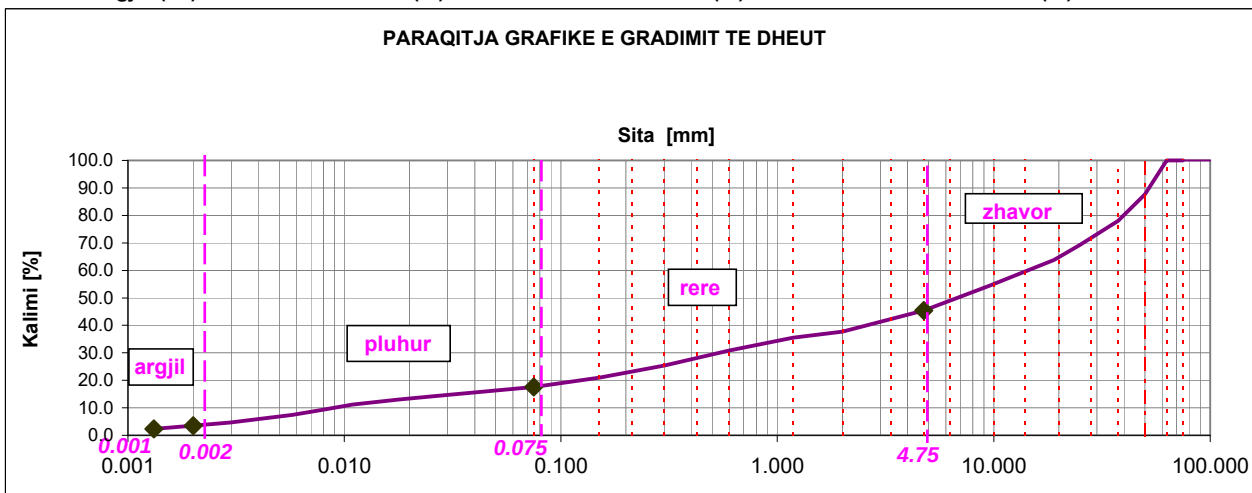
Argjile(%) 3.5

Pluhur(%) 14.1

Rere (%) 27.8

Zhavor (%) 54.6

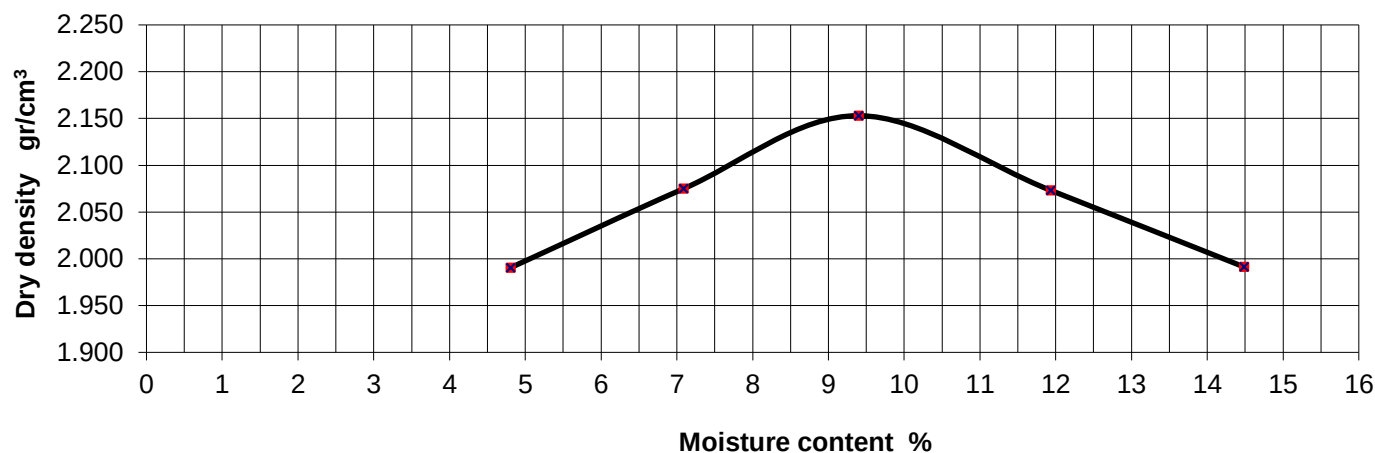
PARAQITJA GRAFIKE E GRADIMIT TE DHEUT



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-7(0.40-1.00) m + BH-8(0.50-1.00) m + BH-17(0.50-1.00)m
Test Method/ Metodika e proves ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers						
Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa						
Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi I Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	9431	9720	10003	9929	9842
Weight of Wet weight / Masa e Materialit te njome	g	4431	4720	5003	4929	4842
Wet density / Densiteti I njome	gr/cm ³	2.086	2.222	2.355	2.321	2.280
Dry density / Densiteti I thate	gr/cm3	1.991	2.075	2.153	2.073	1.991
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	719	812	814	836	739
Dry weight + tare / Masa e materialit te thate + tave	g	704	783	776	787	693
Weight of water / Masa e ujit	g	15.8	28.9	37.7	49.1	46.0
Dry weight / Masa e materialit te thate	g	329	408	401	412	318
Moisture content / Permbajtja e Lageshtise	%	4.81	7.09	9.40	11.94	14.49



Max, dry density gr/cm ³ Densiteti Maksimal I thate	2.153	Optimum moisture content % Lageshtia optimale	9.50
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CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
Purchaser / Porositesi "SDC" Sh.p.k
Sample / Kampioni BH-7(0.40-1.00) m + BH-8(0.50-1.00) m + BH-17(0.50-1.00)m

Test Method/ Metodika ASTM D 1883-16

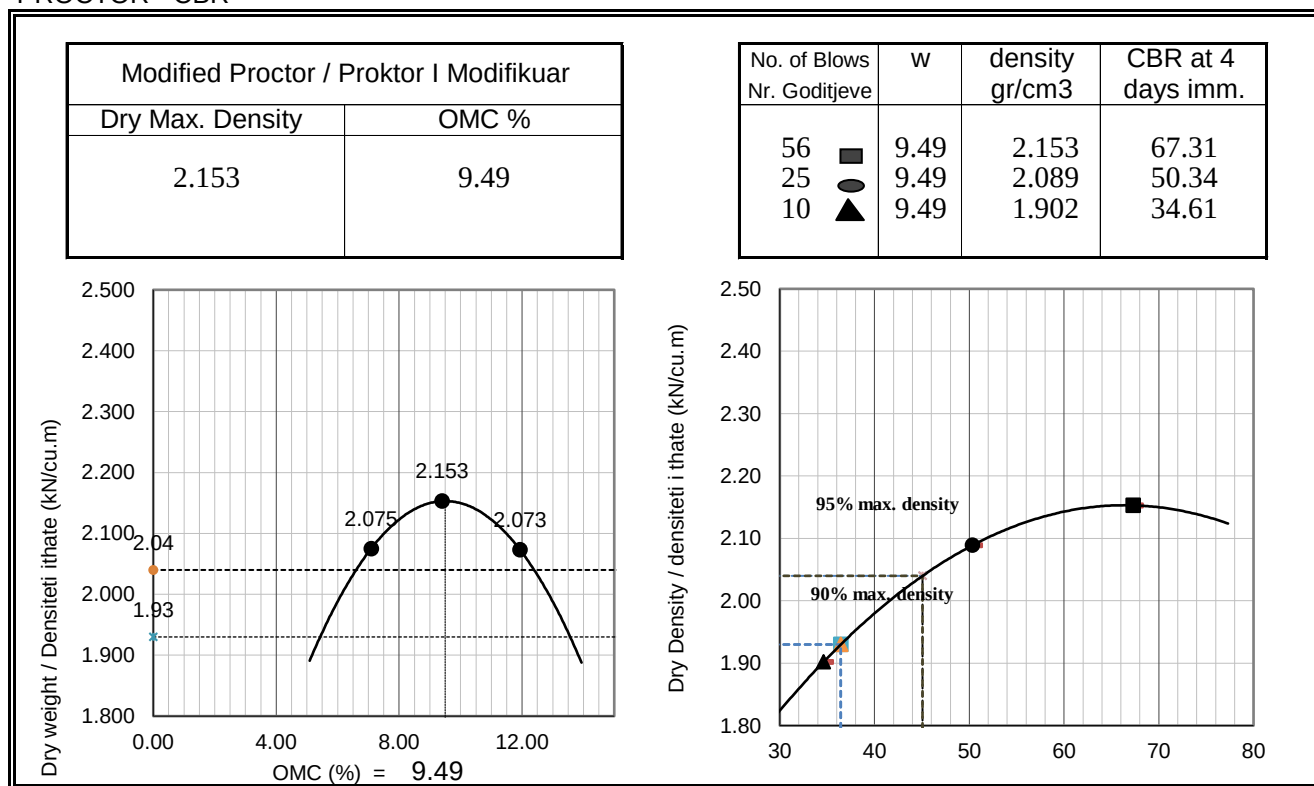
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
1.24	1.38	1.25
1.72	1.73	1.53
0.412	0.301	0.243

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		36.43	45.06

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-13(0.50-1.00) m + BH-20(0.45-1.00) m + BH-22(0.35-1.00)m
BH-26(0.40-1.00) m

Testi : **Percaktimi Laboratorik i Permbajtjes se Ujit (Lageshtise) ne
Mase per Dherat dhe Shkembim**

Test - Metoda : **ASTM D 2216-10**

Pershkrimi vizual i kampionit: Argjilite dhe alevrolite intensivisht te perajruara, jane me ngjyre gri, jane me lageshtire, jane me çimentim te dobet, te ngjeshura.

Rezultatet e Testimit

	Njesite	Kampion 1	Kampion 2
Masa e tares, Mt	[g]	31.66	31.64
Masa e tares+ kampion I njome, Mtknj	[g]	165.39	168.43
Masa e tares + kampion I thare ne furre, Mtkth	[g]	151.60	155.12
Masa e skeletit , Mkth= Mtkth - Mt	[g]	119.94	123.48
Masa e Ujit, Mw = Mtknj - Mtkth	[g]	13.79	13.31
Permbajtja e Ujit (per kampion) $w = (Mw/Ms) \cdot 100$	[%]	11.50	10.78
Permbajtja e Ujit (Mesatare)	[%]	11.14	

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti: "SDC" Sh.p.k

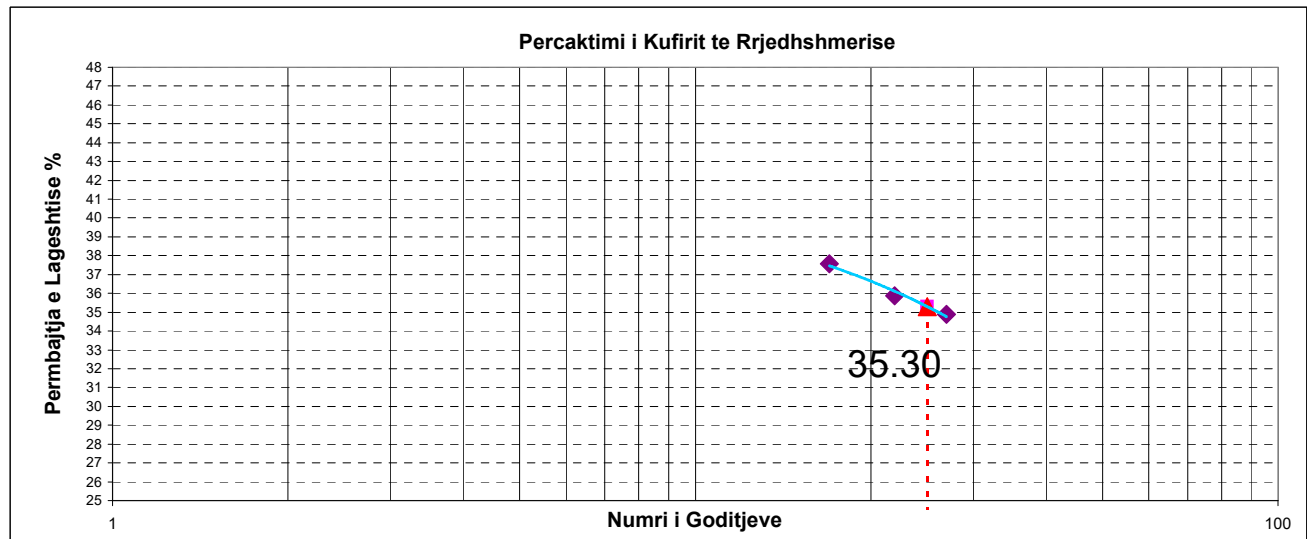
Sonda : Mix: BH-13(0.50-1.00) m + BH-20(0.45-1.00) m + BH-22(0.35-1.00)m + BH-26(0.40-1.00) m

Test : Kufiri i Rrjedhshmerise, Plasticitetit dhe Treguesi i Plasticitetit te Dherave

Test - Metoda : ASTM D 4318 - 10

Rezultatet e Testimit

Tipi i Testit	Kufiri i Rrjedhshmerise (Me tre pika)				Kufiri i Plasticitetit		
Nr. Testi	1	2	3		1	2	
Emertimi i Kontenerit	B17	B28	A5		A23	A16	
Masa e kontenerit bosh (g)	12.863	7.329	9.569		17.859	20.837	
Masa e kontenerit me kampionin e njome (g)	46.95	43.30	47.46		23.23	26.54	
Masa e kontenerit me kampionin e thate (g)	38.14	33.80	37.11		22.15	25.40	
Masa e Ujit (gr.)	8.82	9.50	10.35		1.08	1.15	
Masa e kampionit te thate (gr.)	25.27	26.47	27.54		4.29	4.56	
Permbajtja e Lageshtise %	34.89	35.87	37.58		25.27	25.14	
Numri i Goditjeve	27	22	17				



KUFIRI I RRJEDHSHMERISE (W_s) 35.30

INDEKSI I PLASTICITETIT (I_p) 10.10

KUFIRI I PLASTICITETIT (W_p) 25.20

INDEKSI I RRJEDHSHMERISE (I_L) 1.1

Projekti : "Projektim Rikonstruksioni i Rrugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda Mix: BH-13(0.50-1.00) m + BH-20(0.45-1.00) m + BH-22(0.35-1.00)m + BH-26(0.40-1.00) m

Testi :

PESHA SPECIFIKE E DHERAVE QE PERMBAJNE GRIMCA >,< SE SITA 4.75 mm

Test - Metoda :

ASTM D854 - 10

ASTM C127 - 07

Rezultatet e Testimit

TE DHENAT DHE REZULTATET E TESTIMIT	NJESITE	Testi 1		Testi 2	
		> 4.75 mm	< 4.75 mm	> 4.75 mm	< 4.75 mm
Fraksionet e Dheut	%	13.1	86.9	13.1	86.9
Temperatura e Testimit [T _t]	[°C]	20	21	20	20.9
Koeficienti I Temperatures [K]	–	1	0.99979	1	0.99981
Densiteti i ujit ne temperaturen e testimit [ρ _w T _t]	[g/mL]	0.99821	0.99799	0.99821	0.99802
Masa mesatare e kalibruar e piknometrit te thate [M _p T _t]	[g]	0.00	196.690	0.000	140.050
Masa (piknometer + uje ne temperaturen e testimit) [M _{pw} T _t]	[g]	0.00	519.980	0.000	468.480
Volumi mesatar I kalibruar I piknometrit [V _p]	[mL]	0.00	323.94	0.00	329.08
Masa e kampionit te thare ne furre [M _s ose A]	[g]	196.840	60.200	238.450	60.230
Masa (piknometer + uje+dhe ne temerturen e testimit) [M _{pws} T _t]	[g]	0.000	556.570	0.000	505.260
Masa aparente e kampionit te testimit te saturuar ne uje - [M _s ose C]	[g]	122.770	0.000	149.040	0.000
Pesha Specifike e Dheut ne temperaturen e testimit [G _s T _t]	–	2.657	2.550	2.667	2.568
Pesha Specifike e Dheut ne 20°C per test [G _s 20 °C]	–	2.657	2.549	2.667	2.568
Pesha Specifike Mesatare e Dheut [G _s 20 °C] per test	–	2.563		2.581	
Pesha Specifike Mesatare e Dheut [G _s 20 °C]	–	2.572			

Projekti : "Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"

Klienti : "SDC" Sh.p.k

Sonda : Mix: BH-13(0.50-1.00) m + BH-20(0.45-1.00) m + BH-22(0.35-1.00)m +
BH-26(0.40-1.00) m

Testi :

ANALIZE GRANULOMETRIKE
Sitisje mekanike +Sedimentim me metoden e Hidrometrit

Test - Metoda :

ASTM : D 7928-17; ASTM D 6913-09

Masa fillestare (g): 1993

Rezultatet e Testimit

Diametri i sitave [mm]	Mbetja e pjesshme [g]	Mbetja [%]	Kalimi [%]	
100.0	0.0	0.0	100.0	SITISJE ≥ 2.00mm
75.00	0.0	0.0	100.0	
63.00	0.0	0.0	100.0	
50.00	0.0	0.0	100.0	
37.50	0.0	0.0	100.0	
25.00	26.0	1.3	98.7	
19.00	56.0	2.8	97.2	
9.50	137.0	6.9	93.1	
4.75	261.0	13.1	86.9	SITISJE < 2.00mm
2.00	417.0	20.9	79.1	
1.18	6.16	28.6	71.4	
0.60	12.52	36.4	63.6	
0.30	16.61	41.5	58.5	
0.15	20.22	46.0	54.0	SEDIMENTIMI
0.075	23.76	50.4	49.6	
0.027	14.50	58.6	41.4	
0.018	17.07	62.6	37.4	
0.011	20.93	68.5	31.5	
0.008	23.50	72.4	27.6	
0.006	26.07	76.4	23.6	
0.003	31.21	84.2	15.8	
0.001	35.71	91.1	8.9	
<0.001		100.0		

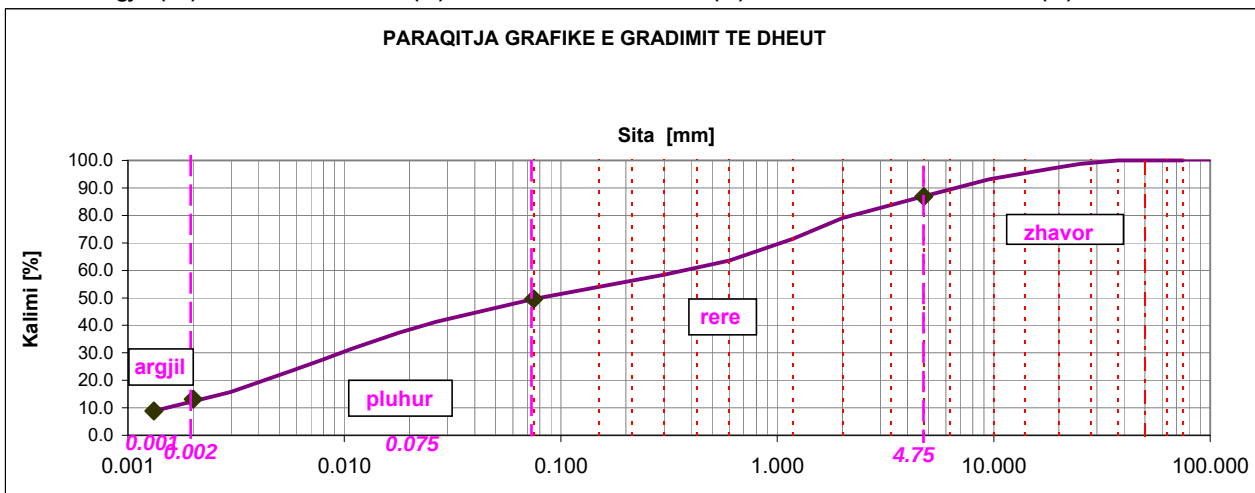
Argjile(%) 13.2

Pluhur(%) 36.4

Rere (%) 37.3

Zhavor (%) 13.1

PARAQITJA GRAFIKE E GRADIMIT TE DHEUT



Modified Proctor Test / Prova Proktor I Modifikuar

Site / Kantieri
Purchaser / Porositesi

"Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
"SDC" Sh.p.k

Sample / Kampioni

BH-13(0.50-1.00) m + BH-20(0.45-1.00) m + BH-22(0.35-1.00)m + BH-26(0.40-1.00) m

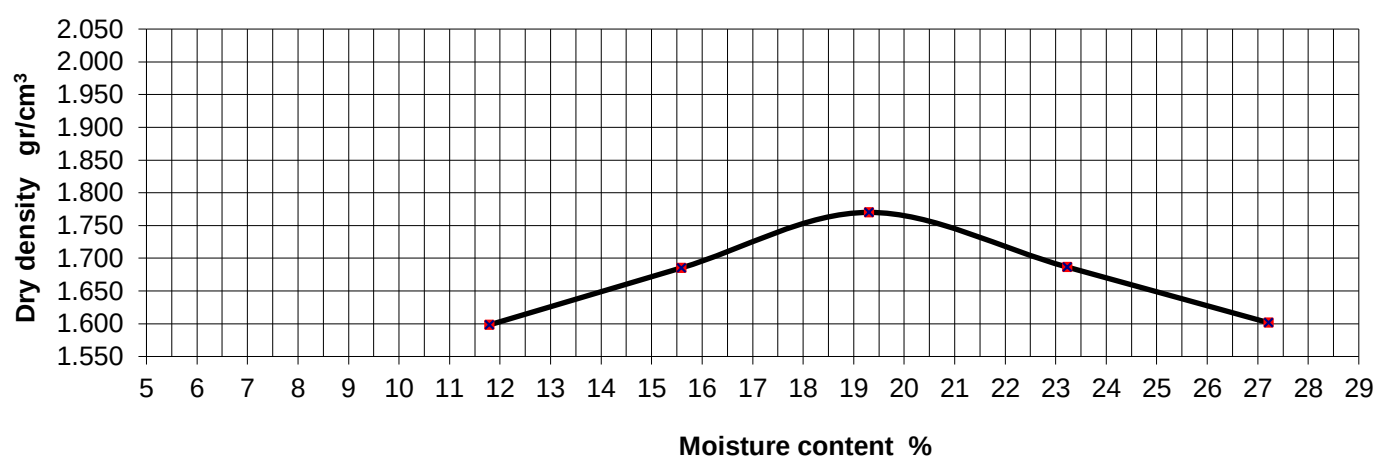
Test Method/ Metodika e proves

ASTM D1557-12e

*Method C: Mould Diam. 152.4 mm; Material Passing 19 mm sieve; 56 blows per layer in five Layers

Metoda C: Fustela me Diam. 152.4 mm; Materiali kalon Siten 19mm; 56 goditje per pese shtresa

Sample / Mostra n°		1	2	3	4	5
Volume of mould / Volumi i Fusteles	cc	2124	2124	2124	2124	2124
Weight of mould / Masa e fusteles	g	5000	5000	5000	5000	5000
Weight of mould + wet weight / Masa fusteles + material	g	8795	9137	9485	9414	9328
Weight of Wet weight / Masa e Materialit te njome	g	3795	4137	4485	4414	4328
Wet density / Densiteti i njome	gr/cm ³	1.787	1.948	2.112	2.078	2.037
Dry density / Densiteti i thate	gr/cm ³	1.598	1.685	1.770	1.687	1.602
Tare n° / Tava nr						
Weight of tare / Masa e Taves bosh	g	375	375	375	375	375
Wet weight + tare / Masa e materialit te njome + tave	g	821	854	736	814	785
Dry weight + tare / Masa e materialit te thate + tave	g	774	789	677	731	697
Weight of water / Masa e ujit	g	47.0	64.5	58.4	82.8	87.7
Dry weight / Masa e materialit te thate	g	399	414	302	356	322
Moisture content / Permbajtja e Lageshtise	%	11.79	15.59	19.30	23.22	27.21



Max, dry density gr/cm³
Densiteti Maksimal i thate

1.770

Optimum moisture content %
Lageshtia optimale

19.42

CALIFORNIA BEARING RATIO / PROVA CBR

Site / Kantieri
Purchaser / Porositesi

"Projektim Rikonstruksioni i Rugës Përmet- Çarshovë"
"SDC" Sh.p.k

Sample / Kampioni

BH-13(0.50-1.00) m + BH-20(0.45-1.00) m + BH-22(0.35-1.00)m + BH-26(0.40-1.00) m

Test Method/ Metodika **ASTM D 1883-16**

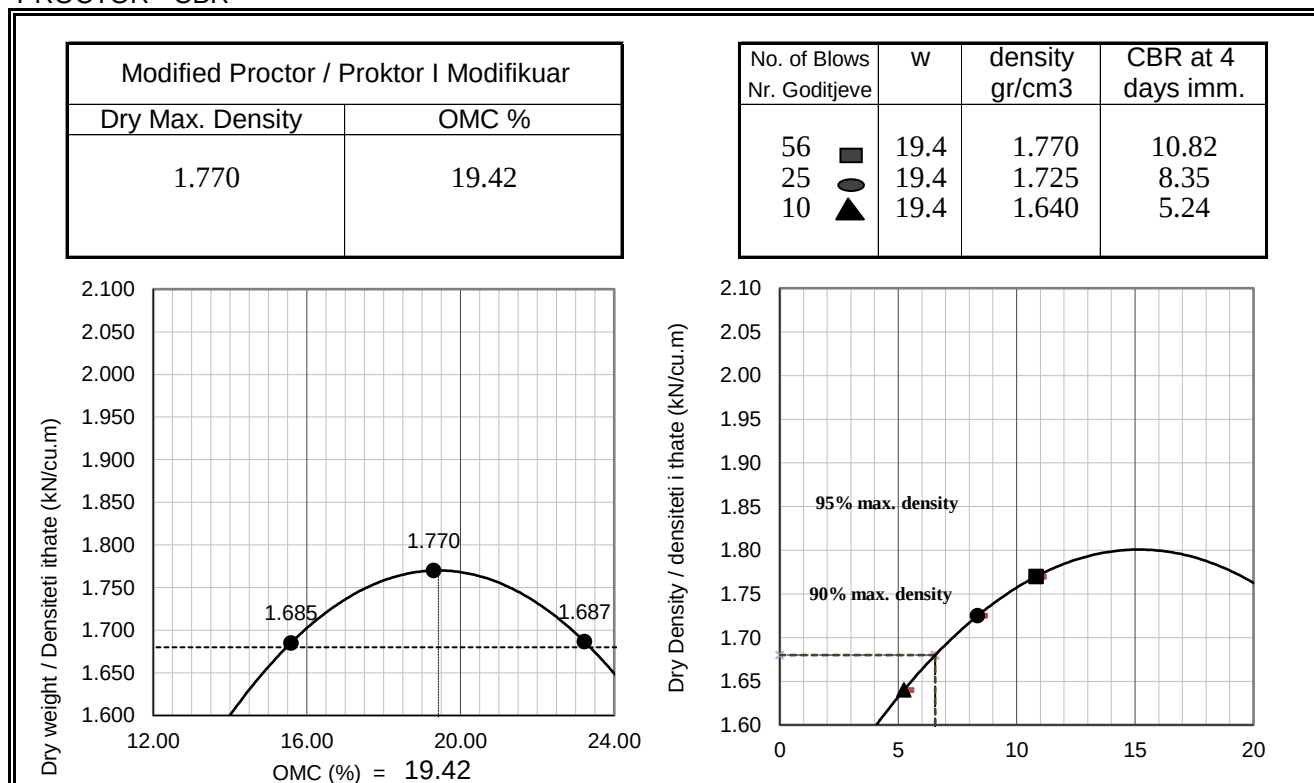
Initial Dial Gauge Reading / Lexim Fillestar komparator [mm]:
Dial Gauge Reading after 96 Hours of Soaking in Water [mm]:
Lexim komparatori pas 96 ore zhytje ne uje:
Swelling / Mufatja [%]:

10 Blows/Layer	25 Blows/Layer	56 Blows/Layer
3.89	3.25	2.73
7.33	6.57	5.35
2.955	2.851	2.250

Compaction made by / Menyra e Ngjeshjes: Modified Procor

These results are valid for this sample only / Keto rezultate jane te vlefshme vetem per kete kampion

PROCTOR - CBR



CBR Value (%)		at 90% max Density	at 95% max Density
		3.80	6.56



LABORATORY TESTING for CONSTRUCTION MATERIALS
& GEOTECHNICAL STUDY

LABORATOR per KRYERJEN E PROVAVE TE MATERIALEVE TE NDERTIMIT
& STUDIMEVE GJEOTEKNIKE

Aneksi 04. Vizatimet

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Website: www.alteageostudio.com

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2015 No. 010140786
SCC***2011 No. 20 106 122007136
EN ISO 14001:2015 No. 04 016006
OHSAS 18001:2007 No. 03012019
Pass 99:2012 No.02613005



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