

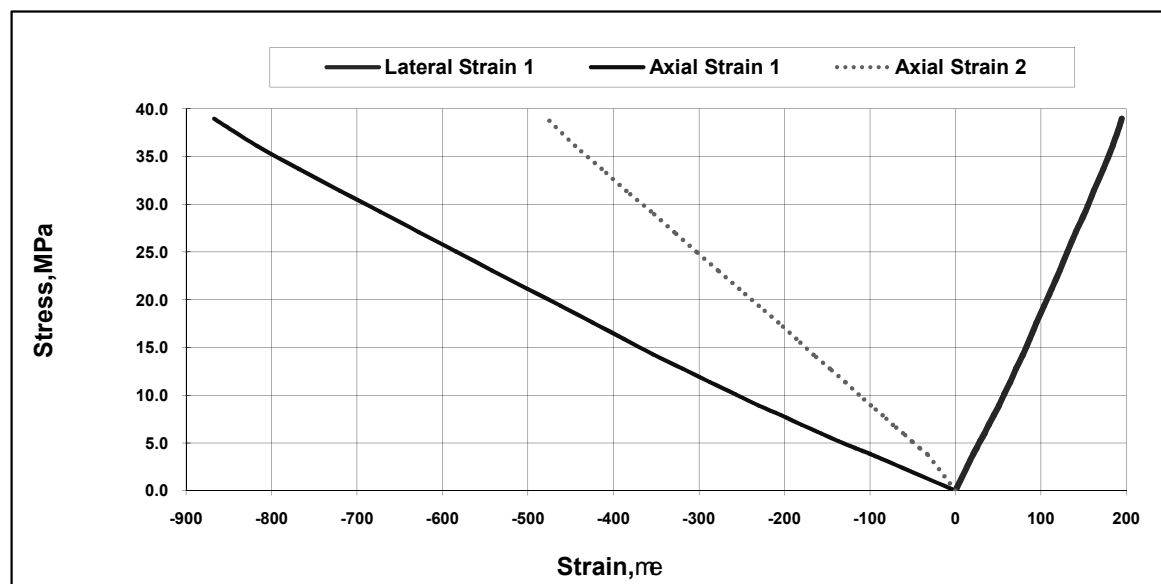
REPORT
of
Elastic Moduli of Intact Core Specimens in Uniaxial Compression
ASTM D 7012, Method D

Work No : 12206
Contract No : 556244 / 609029
Client : SHC / Mivdaka
Project : KHPSP
Work Order : 797

Re : Un-4841
Sample : Bs-31
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2752	88.8	48.5	72.0

Strain Gage Number	1	2	Average
Young's modulus, GPa	46.0	78.7	62.3
Poisson's ratio, n	0.23	-	0.23



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

Checked by : D.Kantarovich

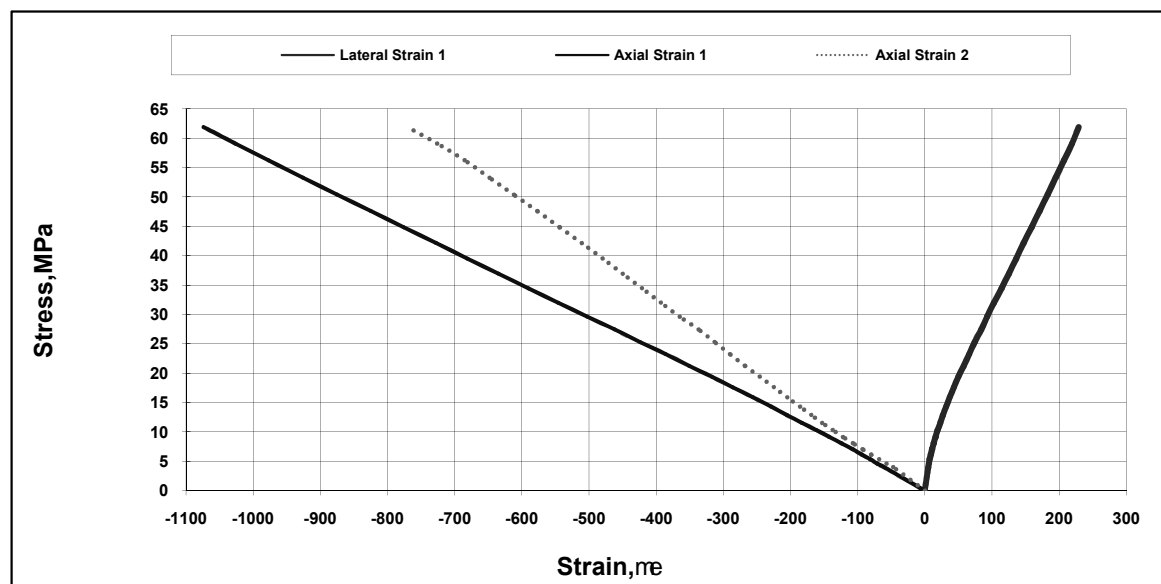
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Work No : 12206
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Re : Un-4842
Sample : Bs-32
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2819	90.1	48.3	113.5

Strain Gage Number	1	2	Average
Young's modulus, GPa	55.8	84.9	70.3
Poisson's ratio, ν	0.24	-	0.24



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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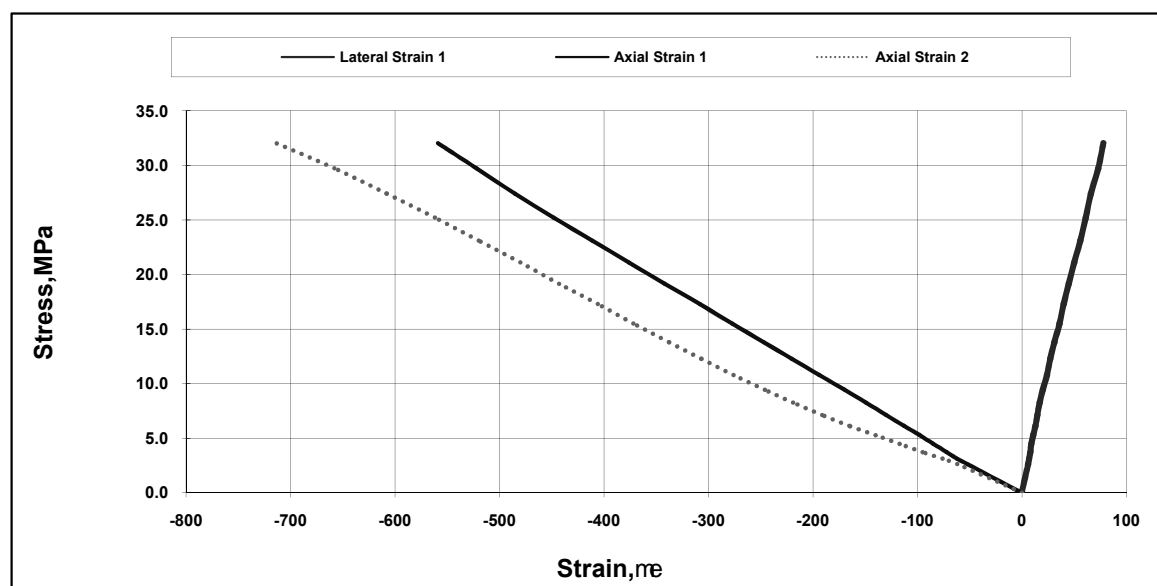
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Re : Un-4843
Sample : Bs-33
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2719	90.2	48.2	58.5

Strain Gage Number	1	2	Average
Young's modulus, GPa	57.5	47.5	52.5
Poisson's ratio, ν	0.14	-	0.14



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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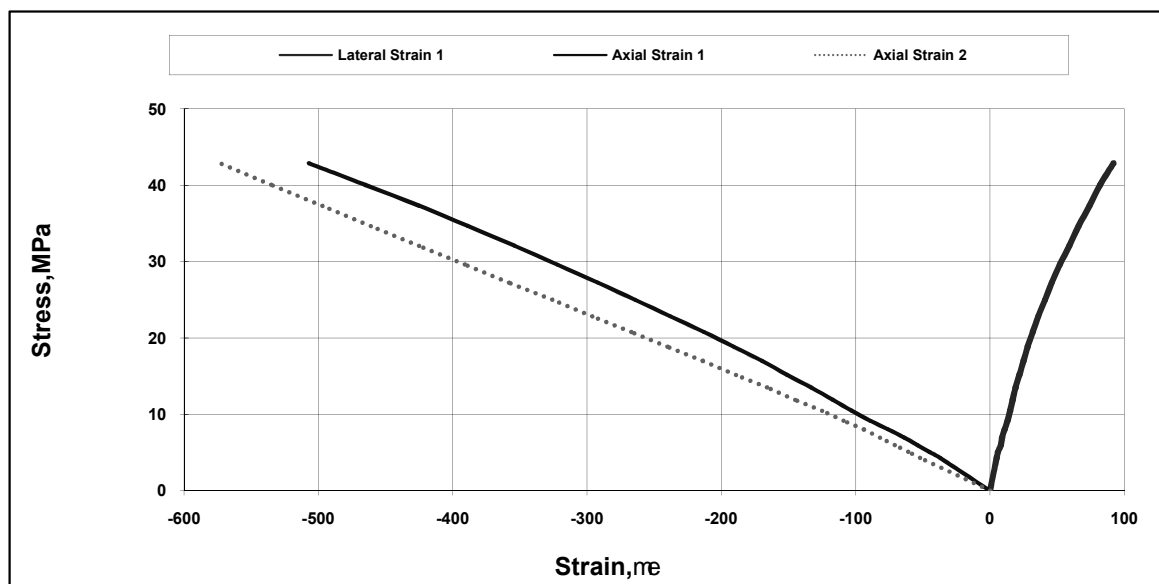
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Re : Un-4844
Sample : Bs-34
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2744	92.1	48.2	152.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	74.6	75.5	75.1
Poisson's ratio, ν	0.20	-	0.20



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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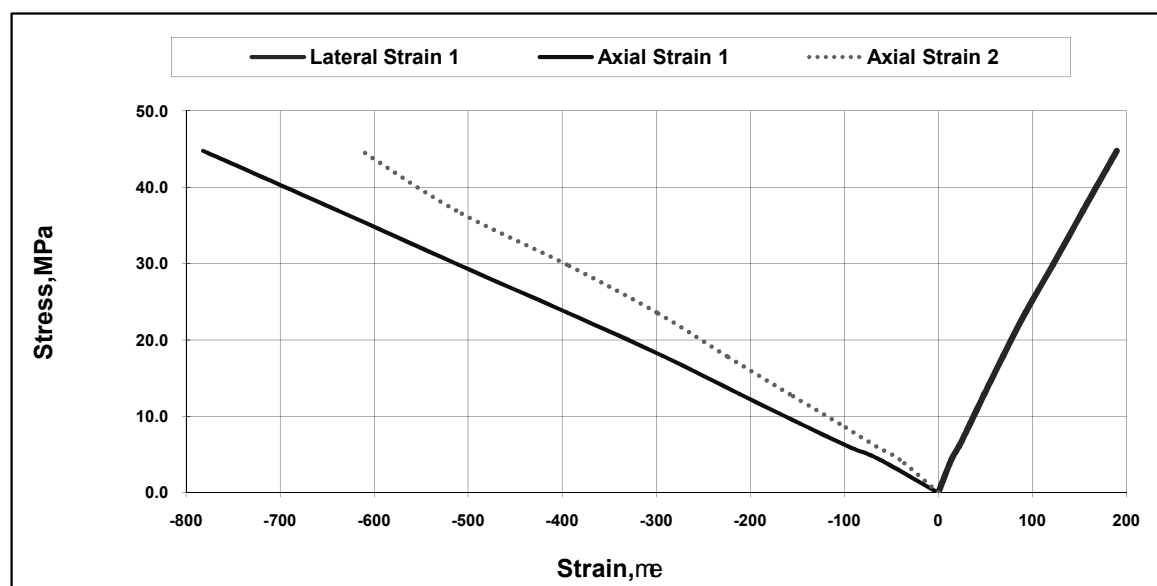
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Re : Un-4845
Sample : Bs-35
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2813	87.4	48.3	187.3

Strain Gage Number	1	2	Average
Young's modulus, GPa	55.0	69.2	62.1
Poisson's ratio, n	0.24	-	0.24



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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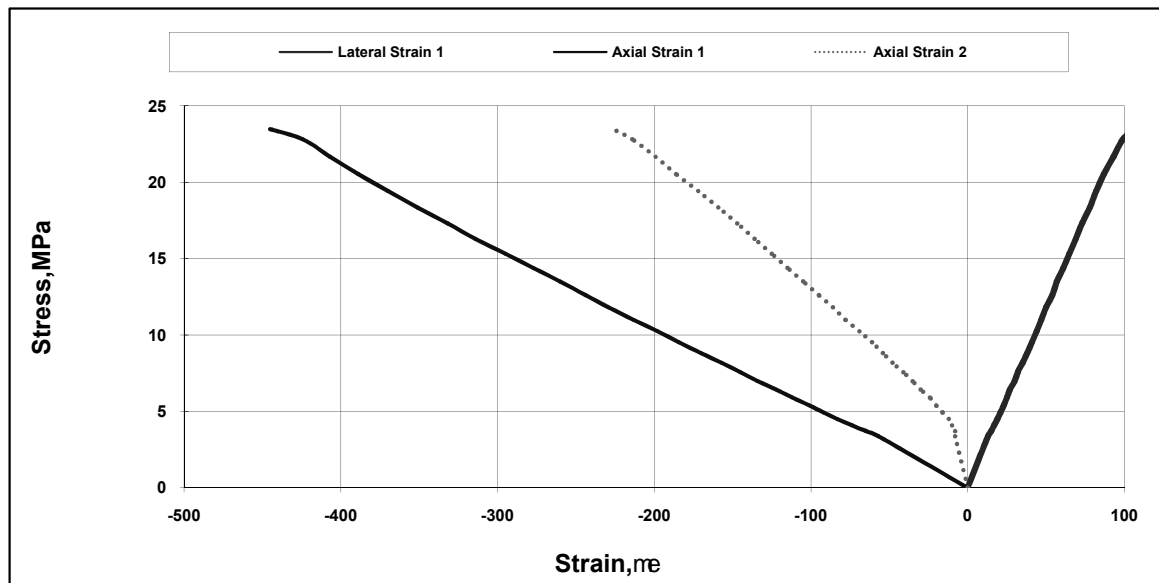
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Re : Un-4846
Sample : Bs-36
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2792	87.7	48.4	43.2

Strain Gage Number	1	2	Average
Young's modulus, GPa	52.5	91.6	72.1
Poisson's ratio, n	0.23	-	0.23



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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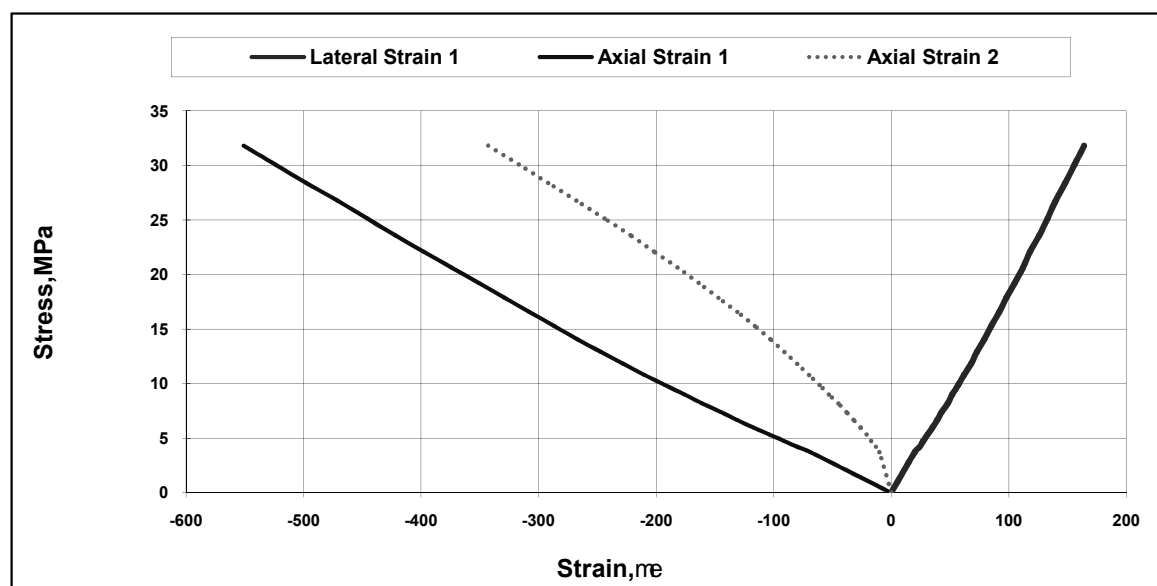
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Re : Un-4847
Sample : Bs-37
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2799	88.8	48.3	122.5

Strain Gage Number	1	2	Average
Young's modulus, GPa	59.0	76.7	67.8
Poisson's ratio, n	0.28	-	0.28



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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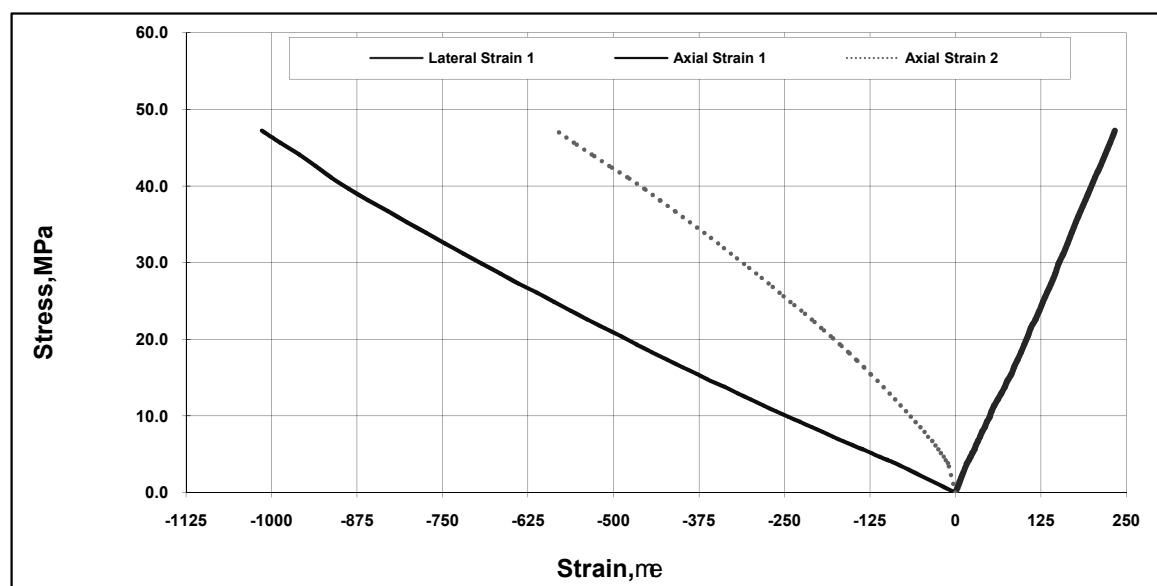
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Work Order : 797

Re : Un-4848
Sample : Bs-38
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2743	87.2	48.3	86.5

Strain Gage Number	1	2	Average
Young's modulus, GPa	44.6	66.9	55.8
Poisson's ratio, n	0.23	-	0.23



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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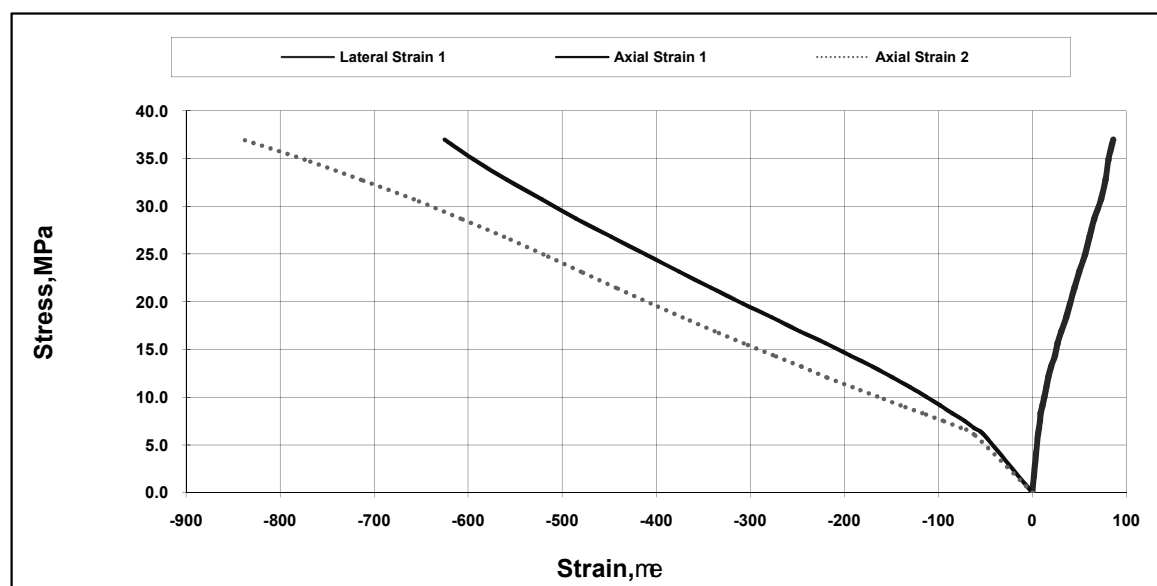
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Project : KHPSP
Work Order : 797

Re : Un-4849
Sample : Bs-39
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2685	88.6	48.3	67.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	52.0	40.9	46.4
Poisson's ratio, n	0.14	-	0.14



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

Checked by : D.Kantarovich

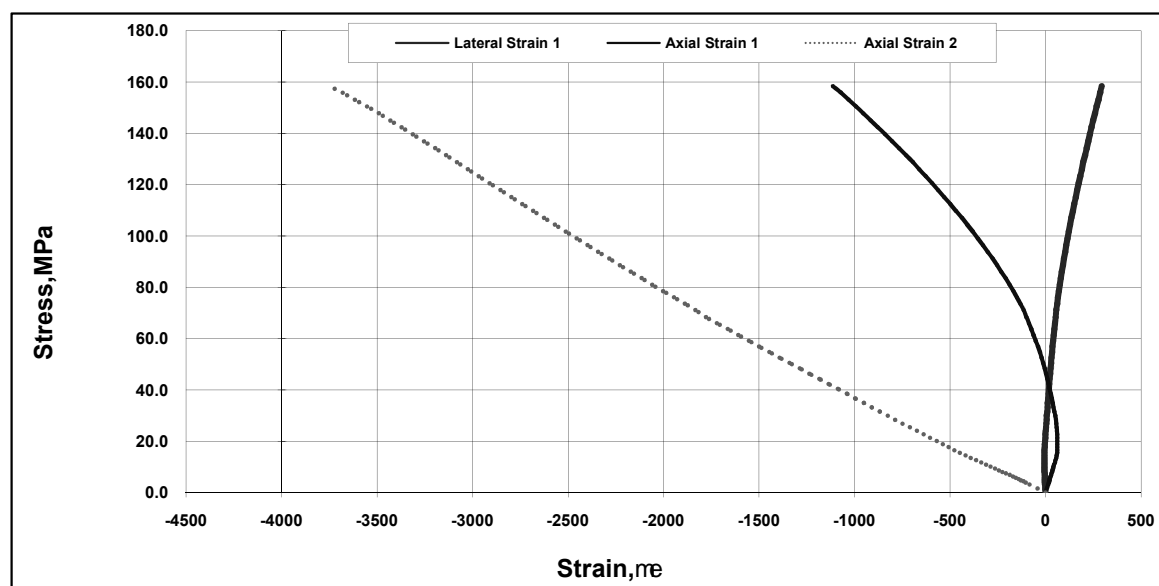
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Work No : 12206
Contract No : 556244 / 609029
Client : SHC / Mivdaka
Project : KHPSP
Work Order : 797

Re : Un-4850
Sample : Bs-40
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2756	91.6	48.3	290.4

Strain Gage Number	1	2	Average
Young's modulus, GPa	83.8	46.6	65.2
Poisson's ratio, n	0.24	-	0.24



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

Checked by : D.Kantarovich

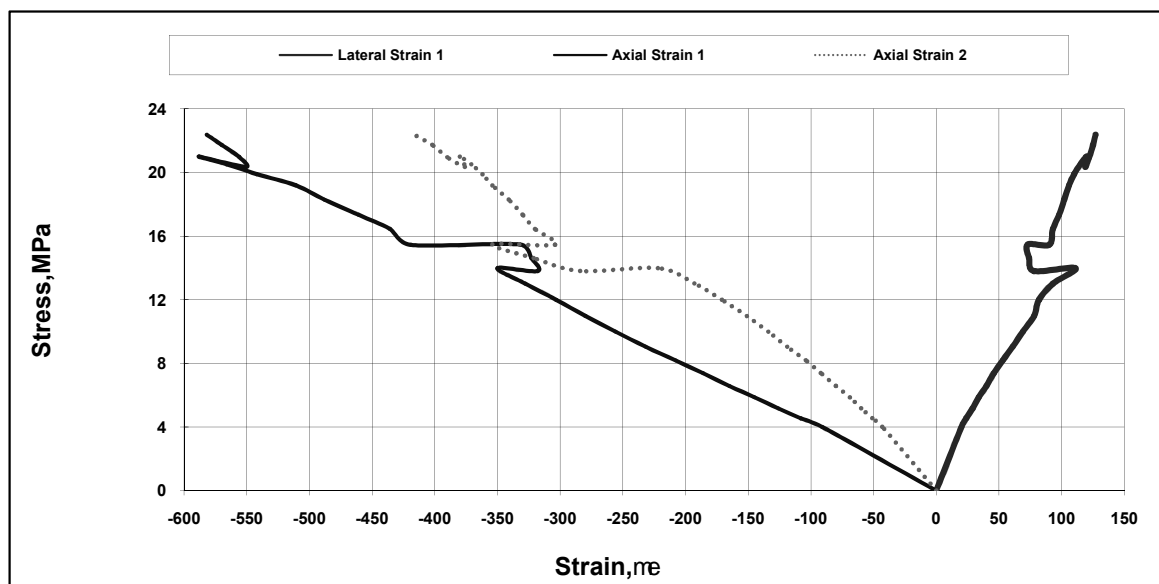
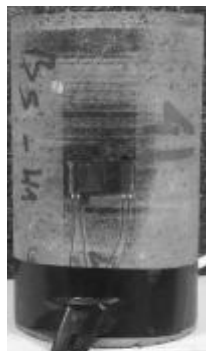
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Work Order : 797

Re : Un-4851
Sample : Bs-41
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2755	87.3	48.2	40.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	34.5	42.9	38.7
Poisson's ratio, ν	0.21	-	0.21



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

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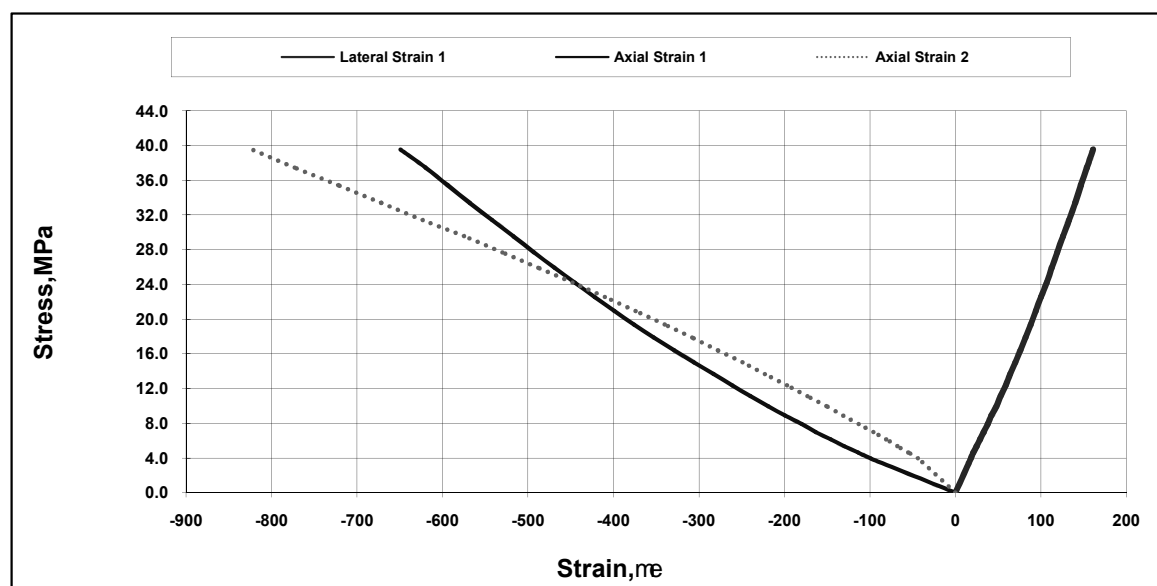
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Client : SHC / Mivdaka
Project : KHPSP
Work Order : 797

Re : Un-4852
Sample : Bs-42
Taken Date : 12.11.2018
Issue Date : 27.11.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2742	87.2	48.3	72.5

Strain Gage Number	1	2	Average
Young's modulus, GPa	66.1	45.2	55.6
Poisson's ratio, ν	0.26	-	0.26



Eng. on Soils : Dr. S.Shulov, E.Shpigelman

Checked by : D.Kantarovich