

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	C7 - Layer 1	MATERIAL:	Soil/clay with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	0 mm	SUPPLIER:	On site
TEST METHOD:	Incremental Plate Loading	SOURCE:	In situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

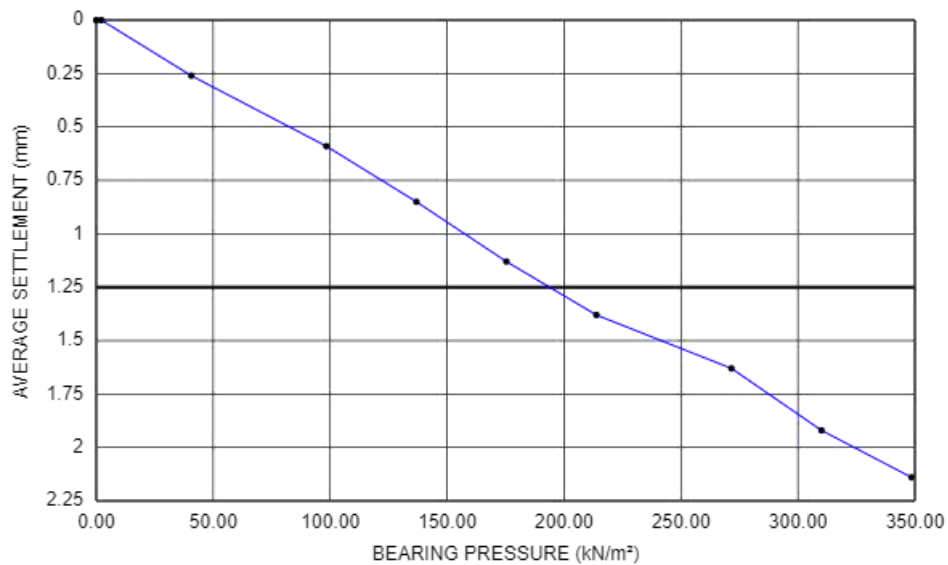
Equipment Details

Type of Kentledge: 18t dumper
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 349 kN/m²
 Max settlement: 2.14 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 194 kN/m²
 Modulus of subgrade K762: 97 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 26.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 26.6 %

Remarks:

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 Amended report. This test report supersedes test report version 1 - Change of location

TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

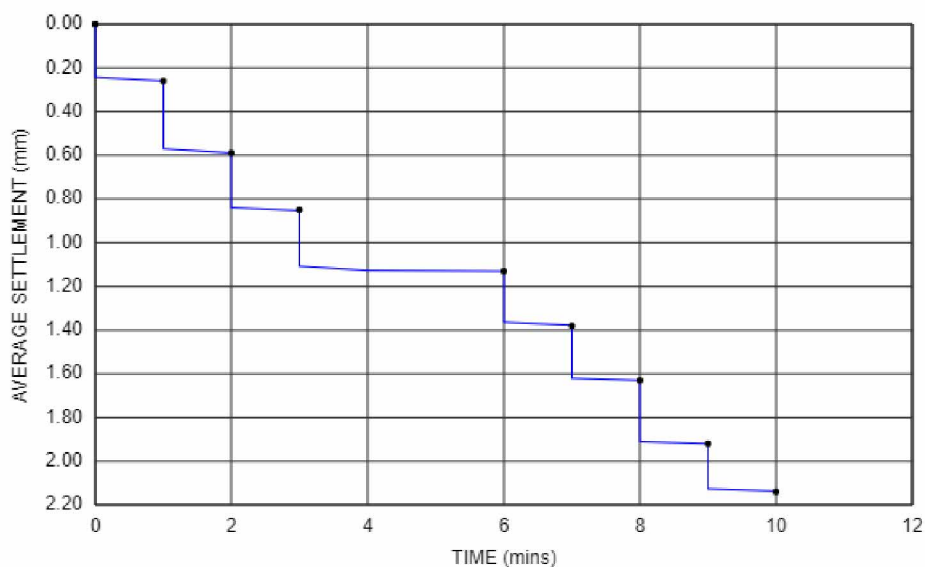
REPORT NUMBER:

C1055642 / 161933.1.1.3

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	40.6	-0.45	-0.28	-0.05	0.45	0.28	0.05	0.26
15.6	98.4	-0.83	-0.60	-0.34	0.83	0.60	0.34	0.59
21.8	136.9	-1.10	-0.88	-0.58	1.10	0.88	0.58	0.85
27.9	175.4	-1.38	-1.16	-0.85	1.38	1.16	0.85	1.13
34.0	213.8	-1.63	-1.41	-1.09	1.63	1.41	1.09	1.38
43.2	271.6	-1.91	-1.68	-1.30	1.91	1.68	1.30	1.63
49.3	310.1	-2.21	-2.00	-1.55	2.21	2.00	1.55	1.92
55.4	348.6	-2.49	-2.22	-1.70	2.49	2.22	1.70	2.14

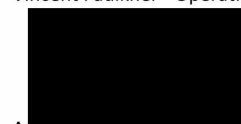
SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	B4 - Layer 1, Finished Formation	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

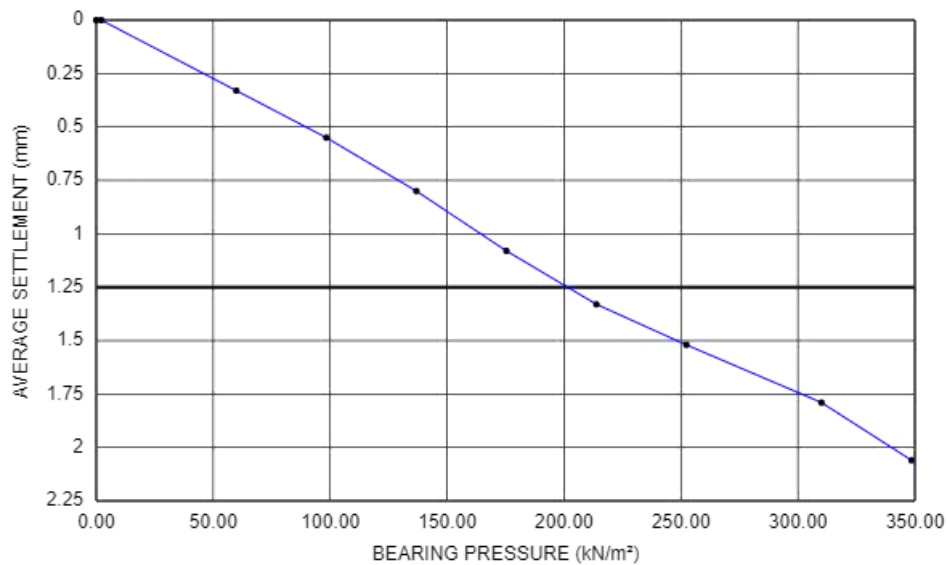
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 349 kN/m²
 Max settlement: 2.06 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 201 kN/m²
 Modulus of subgrade K762: 100 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 28.4%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 28.4 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

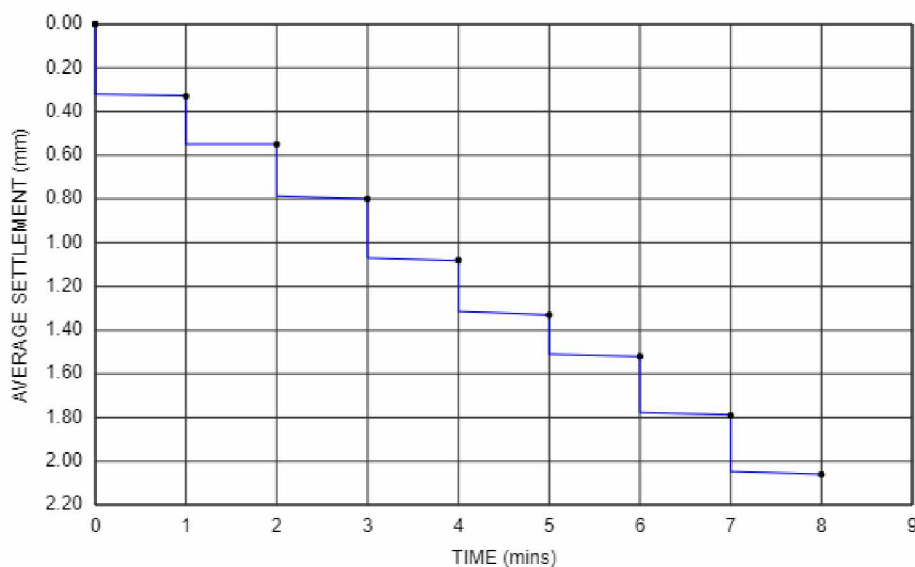
REPORT NUMBER:

C1055642 / 161933.1.1.4

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	59.9	-0.60	-0.26	-0.12	0.60	0.26	0.12	0.33
15.6	98.4	-0.91	-0.49	-0.25	0.91	0.49	0.25	0.55
21.8	136.9	-1.26	-0.73	-0.41	1.26	0.73	0.41	0.80
27.9	175.4	-1.64	-1.02	-0.59	1.64	1.02	0.59	1.08
34.0	213.8	-1.98	-1.26	-0.75	1.98	1.26	0.75	1.33
40.1	252.3	-2.23	-1.44	-0.89	2.23	1.44	0.89	1.52
49.3	310.1	-2.59	-1.71	-1.06	2.59	1.71	1.06	1.79
55.4	348.6	-2.82	-2.03	-1.33	2.82	2.03	1.33	2.06

SETTLEMENT RELATIONSHIP vs TIME



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For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	D5	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

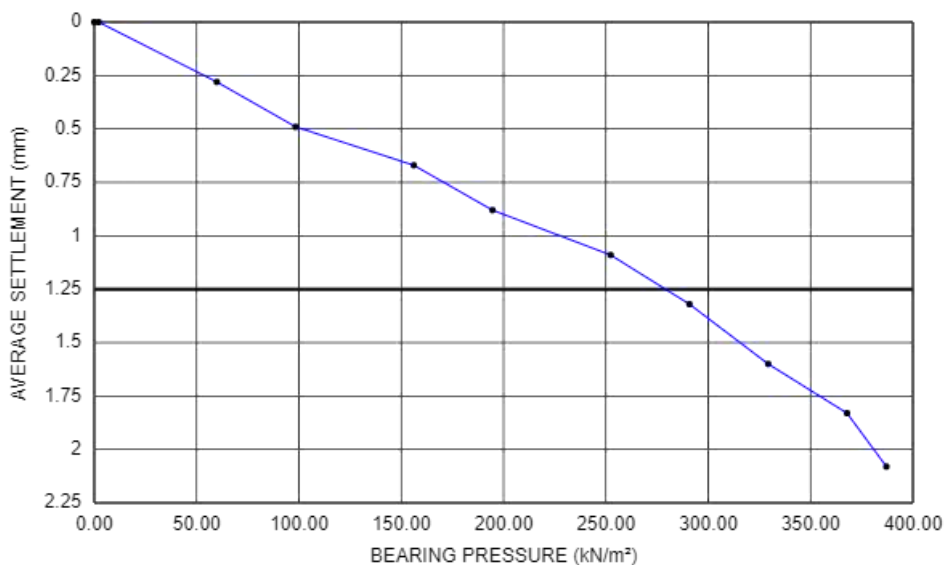
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 387 kN/m²
 Max settlement: 2.08 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 279 kN/m²
 Modulus of subgrade K762: 139 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 50.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 50.1 %

Remarks:

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TEST REPORT:
Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

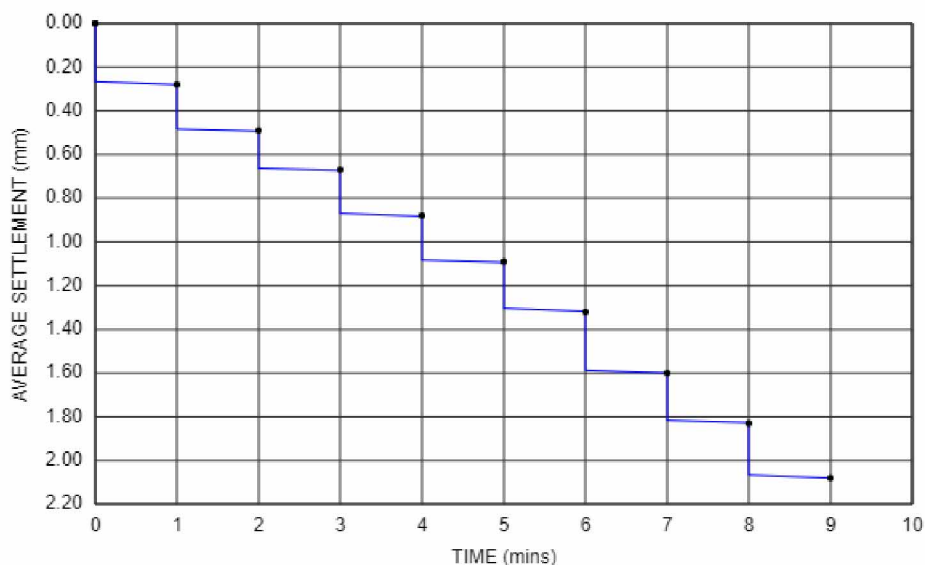
REPORT NUMBER:

C1055642 / 161933.1.1.5

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	59.9	-0.43	-0.28	-0.13	0.43	0.28	0.13	0.28
15.6	98.4	-0.68	-0.49	-0.31	0.68	0.49	0.31	0.49
24.8	156.1	-0.89	-0.67	-0.46	0.89	0.67	0.46	0.67
30.9	194.6	-1.15	-0.87	-0.63	1.15	0.87	0.63	0.88
40.1	252.3	-1.39	-1.10	-0.79	1.39	1.10	0.79	1.09
46.3	290.8	-1.65	-1.30	-1.00	1.65	1.30	1.00	1.32
52.4	329.3	-1.97	-1.58	-1.25	1.97	1.58	1.25	1.60
58.5	367.8	-2.23	-1.82	-1.43	2.23	1.82	1.43	1.83
61.6	387.1	-2.48	-2.05	-1.71	2.48	2.05	1.71	2.08

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

09-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.6		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	B5 - Layer 1, Finished Formation	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

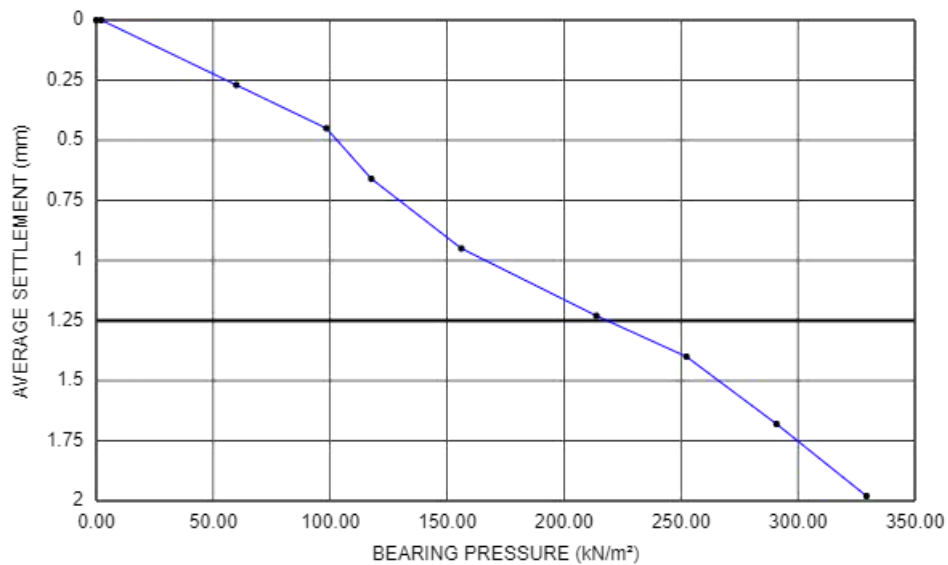
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 329 kN/m²
 Max settlement: 1.98 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 218 kN/m²
 Modulus of subgrade K762: 109 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 32.7%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 32.7 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

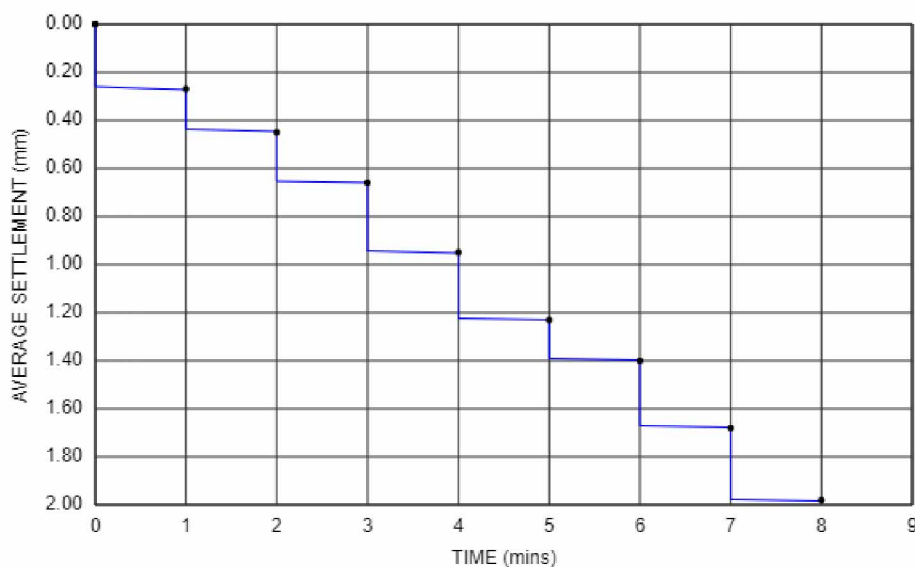
REPORT NUMBER:

C1055642 / 161933.1.1.6

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	59.9	-0.39	-0.25	-0.18	0.39	0.25	0.18	0.27
15.6	98.4	-0.58	-0.43	-0.33	0.58	0.43	0.33	0.45
18.7	117.6	-0.82	-0.63	-0.53	0.82	0.63	0.53	0.66
24.8	156.1	-1.20	-0.89	-0.77	1.20	0.89	0.77	0.95
34.0	213.8	-1.58	-1.11	-1.00	1.58	1.11	1.00	1.23
40.1	252.3	-1.77	-1.33	-1.09	1.77	1.33	1.09	1.40
46.3	290.8	-2.09	-1.62	-1.32	2.09	1.62	1.32	1.68
52.4	329.3	-2.39	-1.98	-1.58	2.39	1.98	1.58	1.98

SETTLEMENT RELATIONSHIP vs TIME



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For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.7		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	B6 - Layer 1, Finished Formation	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

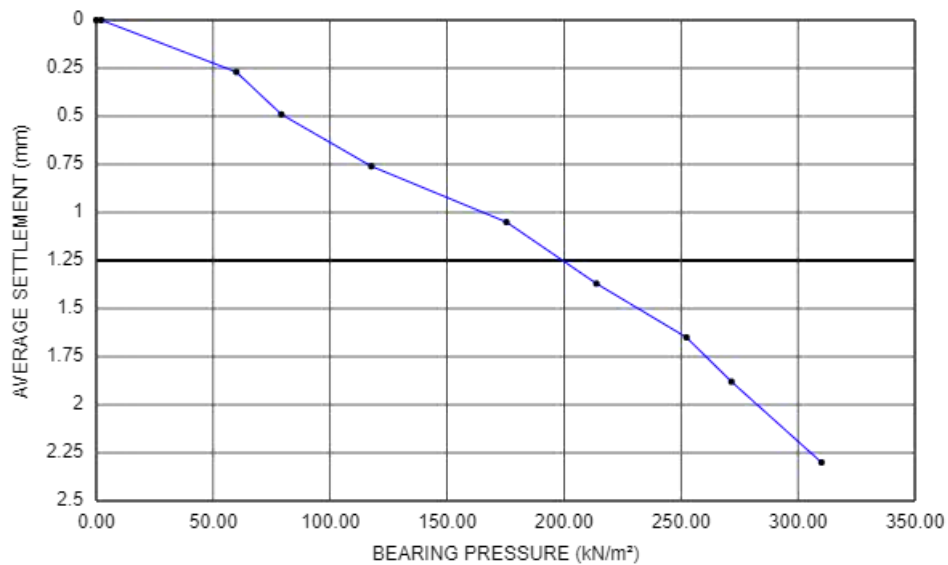
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 310 kN/m²
 Max settlement: 2.30 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 200 kN/m²
 Modulus of subgrade K762: 99 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 27.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 27.9 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

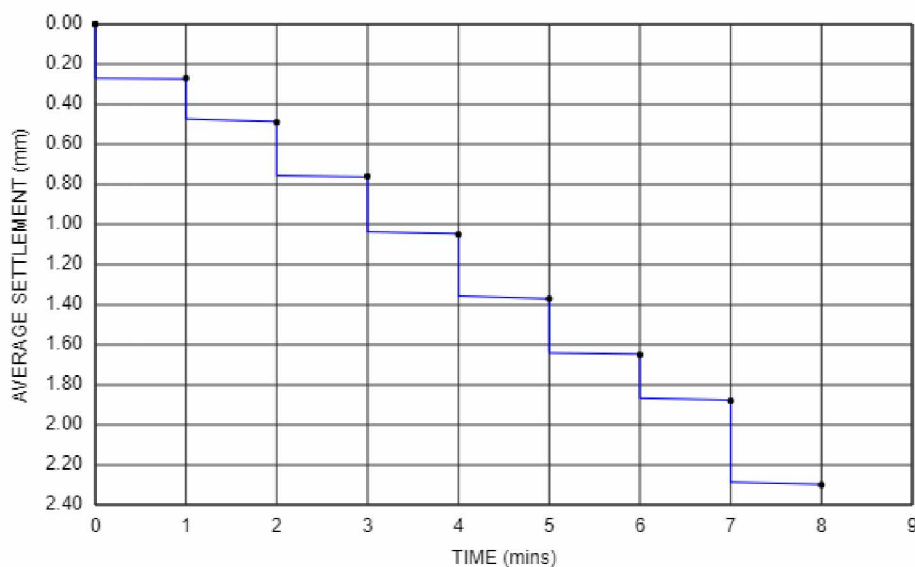
REPORT NUMBER:

C1055642 / 161933.1.1.7

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	59.9	-0.39	-0.23	-0.20	0.39	0.23	0.20	0.27
12.6	79.1	-0.59	-0.47	-0.40	0.59	0.47	0.40	0.49
18.7	117.6	-0.88	-0.78	-0.63	0.88	0.78	0.63	0.76
27.9	175.4	-1.24	-1.02	-0.88	1.24	1.02	0.88	1.05
34.0	213.8	-1.69	-1.35	-1.07	1.69	1.35	1.07	1.37
40.1	252.3	-2.05	-1.62	-1.27	2.05	1.62	1.27	1.65
43.2	271.6	-2.32	-1.90	-1.41	2.32	1.90	1.41	1.88
49.3	310.1	-2.88	-2.23	-1.78	2.88	2.23	1.78	2.30

SETTLEMENT RELATIONSHIP vs TIME



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For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.8		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	C6	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

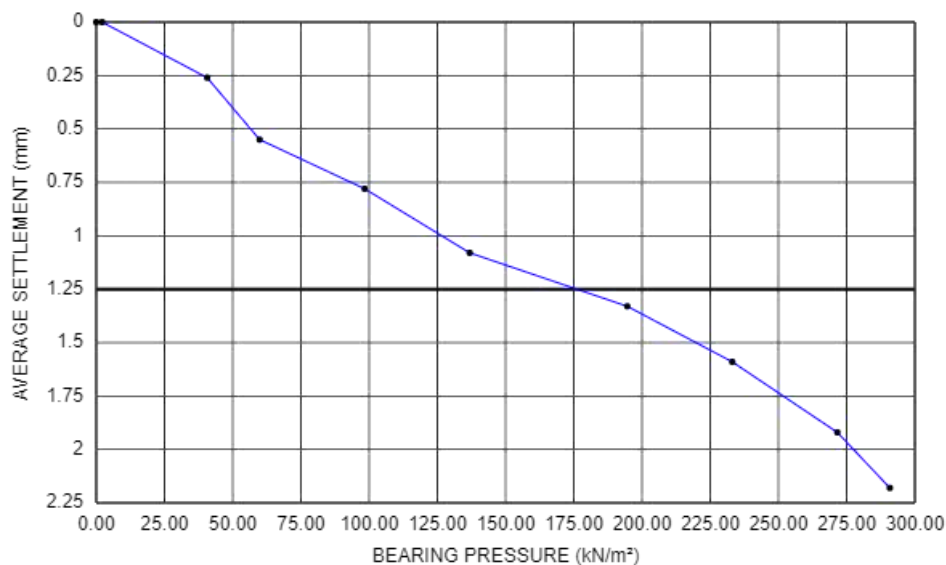
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 291 kN/m²
 Max settlement: 2.18 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 176 kN/m²
 Modulus of subgrade K762: 88 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 22.5%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 22.5 %

Remarks:

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Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

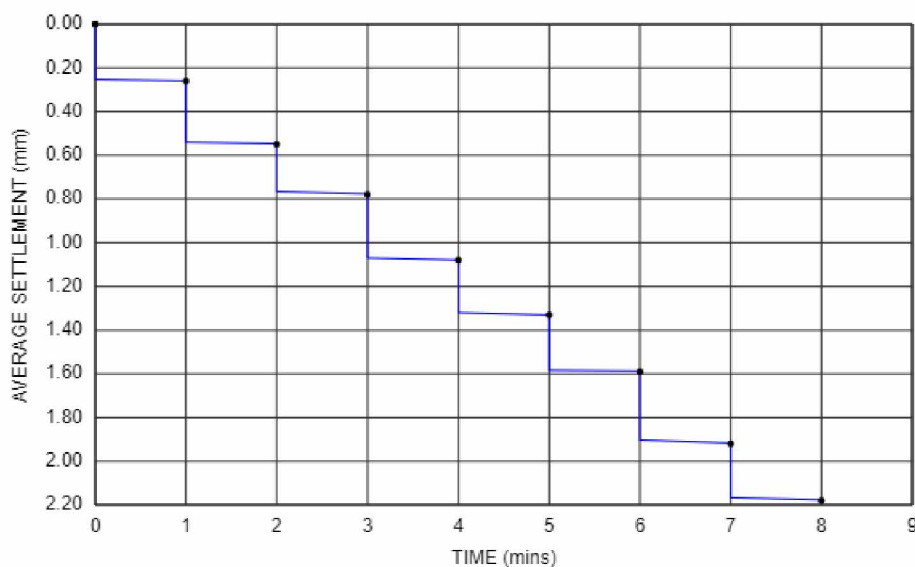
REPORT NUMBER:

C1055642 / 161933.1.1.8

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	40.6	-0.30	-0.21	-0.27	0.30	0.21	0.27	0.26
9.5	59.9	-0.54	-0.62	-0.48	0.54	0.62	0.48	0.55
15.6	98.4	-0.79	-0.83	-0.71	0.79	0.83	0.71	0.78
21.8	136.9	-1.09	-1.18	-0.97	1.09	1.18	0.97	1.08
30.9	194.6	-1.39	-1.42	-1.18	1.39	1.42	1.18	1.33
37.1	233.1	-1.67	-1.73	-1.36	1.67	1.73	1.36	1.59
43.2	271.6	-2.00	-2.05	-1.70	2.00	2.05	1.70	1.92
46.3	290.8	-2.22	-2.38	-1.93	2.22	2.38	1.93	2.18

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

09-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.9		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	D6	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

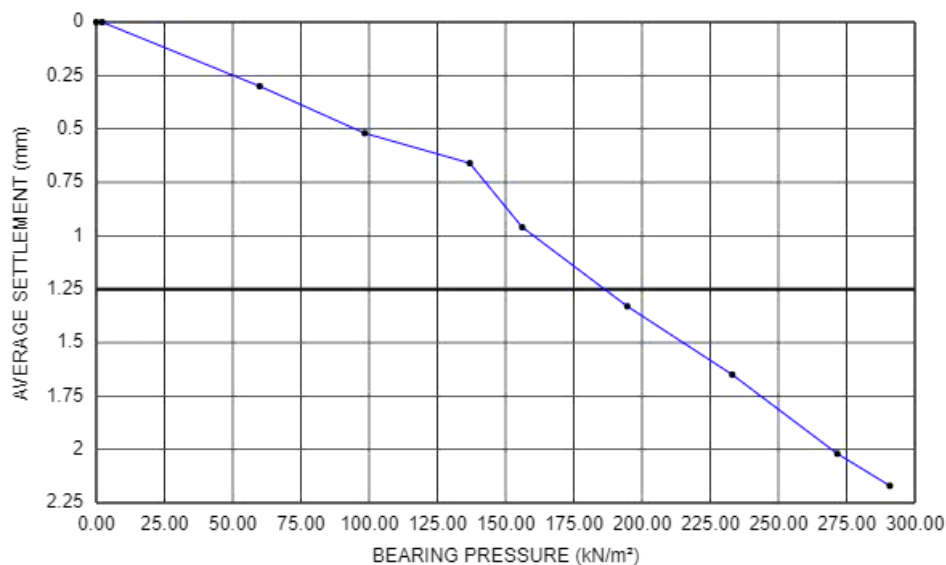
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 291 kN/m²
 Max settlement: 2.17 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 186 kN/m²
 Modulus of subgrade K762: 93 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 24.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 24.8 %

Remarks:

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Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

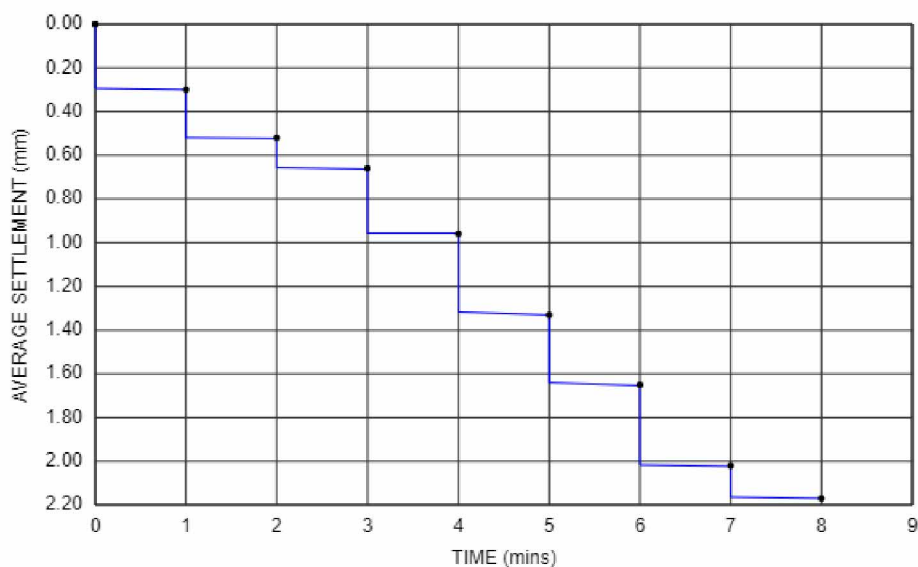
REPORT NUMBER:

C1055642 / 161933.1.1.9

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	59.9	-0.33	-0.35	-0.22	0.33	0.35	0.22	0.30
15.6	98.4	-0.67	-0.52	-0.38	0.67	0.52	0.38	0.52
21.8	136.9	-0.81	-0.65	-0.53	0.81	0.65	0.53	0.66
24.8	156.1	-1.14	-0.93	-0.80	1.14	0.93	0.80	0.96
30.9	194.6	-1.52	-1.34	-1.13	1.52	1.34	1.13	1.33
37.1	233.1	-1.92	-1.62	-1.42	1.92	1.62	1.42	1.65
43.2	271.6	-2.33	-1.95	-1.79	2.33	1.95	1.79	2.02
46.3	290.8	-2.51	-2.09	-1.91	2.51	2.09	1.91	2.17

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

Test results reported relate only to the items tested.

This report shall not be reproduced except in full without approval of the Laboratory.

For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

09-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 161933.1.1.10		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	09/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	D7	MATERIAL:	Soil with crushed rock
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

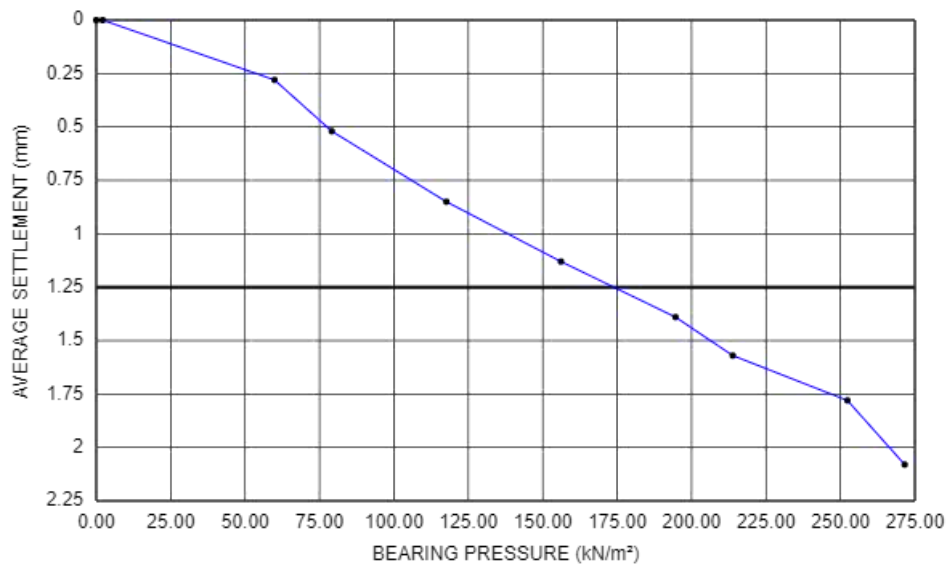
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 272 kN/m²
 Max settlement: 2.08 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 174 kN/m²
 Modulus of subgrade K762: 87 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 22.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 22.1 %

Remarks:

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TEST REPORT:
Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

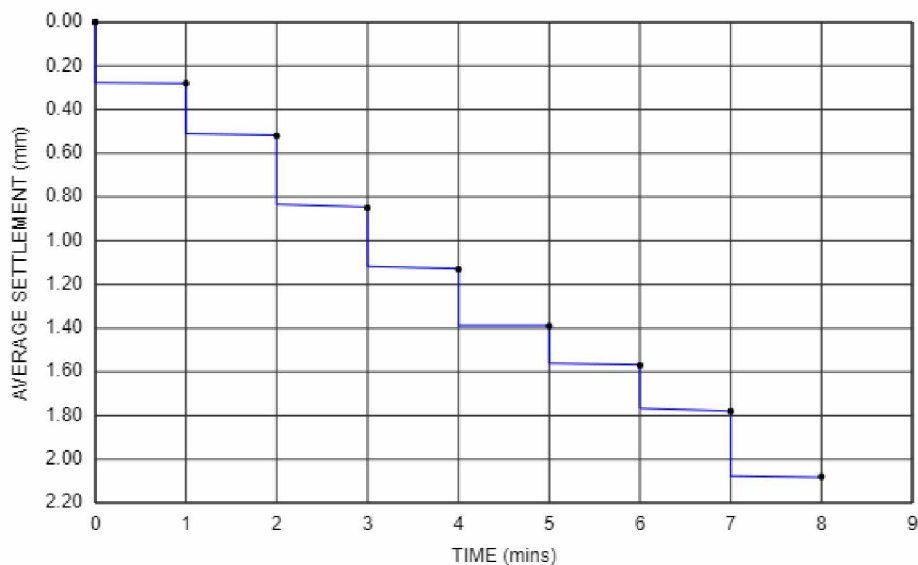
REPORT NUMBER:

C1055642 / 161933.1.1.10

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	59.9	-0.30	-0.21	-0.33	0.30	0.21	0.33	0.28
12.6	79.1	-0.53	-0.47	-0.55	0.53	0.47	0.55	0.52
18.7	117.6	-0.94	-0.75	-0.85	0.94	0.75	0.85	0.85
24.8	156.1	-1.14	-1.02	-1.22	1.14	1.02	1.22	1.13
30.9	194.6	-1.37	-1.26	-1.53	1.37	1.26	1.53	1.39
34.0	213.8	-1.52	-1.42	-1.76	1.52	1.42	1.76	1.57
40.1	252.3	-1.72	-1.62	-2.00	1.72	1.62	2.00	1.78
43.2	271.6	-2.05	-1.83	-2.37	2.05	1.83	2.37	2.08

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

09-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	B5 - Layer 1 Finished Formation	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

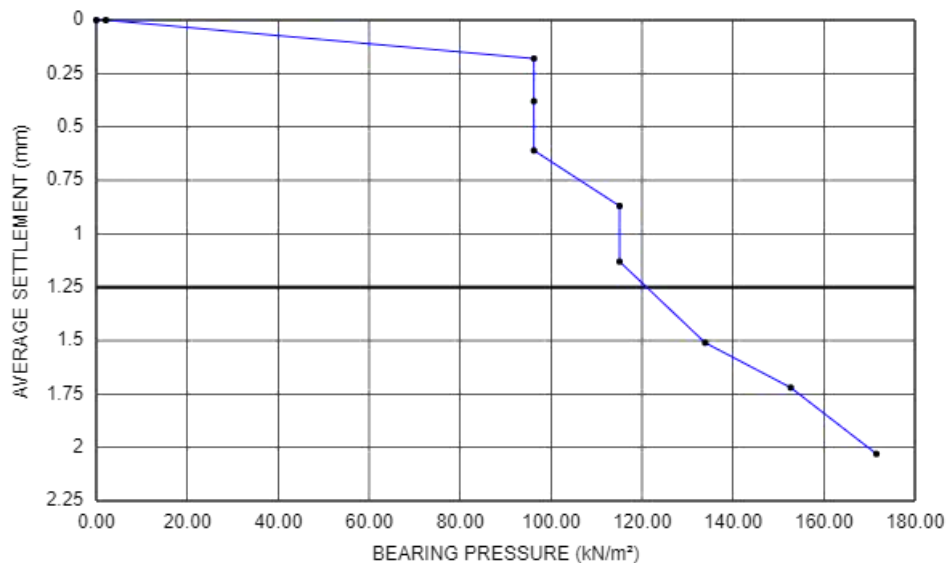
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 172 kN/m²
 Max settlement: 2.03 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 121 kN/m²
 Modulus of subgrade K762: 61 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 11.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 11.9 %

Remarks:

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 Amended report. This test report supersedes test report version 1 - Change of location

TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

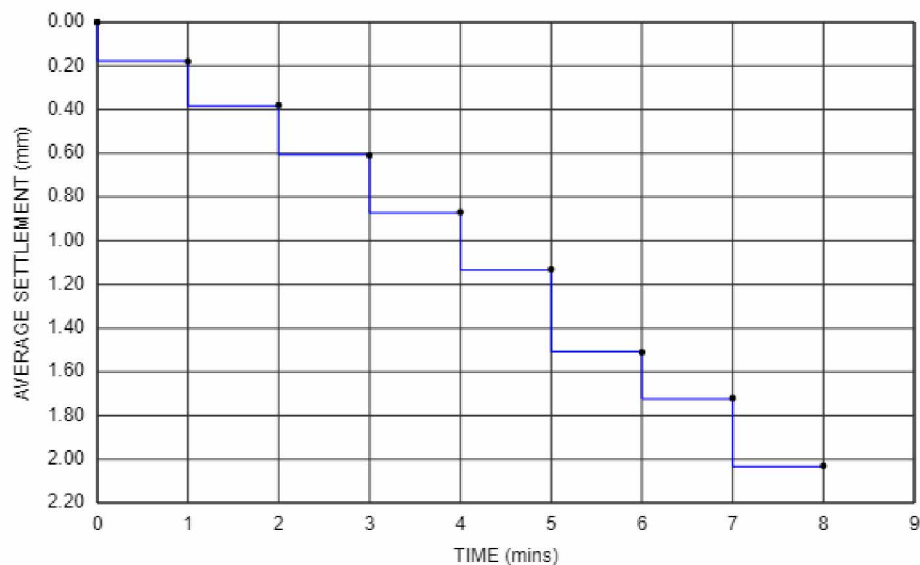
REPORT NUMBER:

C1055642 / 162737.1.1.1

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	96.2	-0.16	-0.25	-0.12	0.16	0.25	0.12	0.18
15.6	96.2	-0.32	-0.51	-0.32	0.32	0.51	0.32	0.38
15.6	96.2	-0.46	-0.78	-0.58	0.46	0.78	0.58	0.61
18.7	115.1	-0.66	-1.09	-0.87	0.66	1.09	0.87	0.87
18.7	115.1	-0.86	-1.38	-1.16	0.86	1.38	1.16	1.13
21.8	133.9	-1.18	-1.80	-1.54	1.18	1.80	1.54	1.51
24.8	152.7	-1.32	-2.07	-1.78	1.32	2.07	1.78	1.72
27.9	171.5	-1.55	-2.43	-2.12	1.55	2.43	2.12	2.03

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.
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Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor

Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C5	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

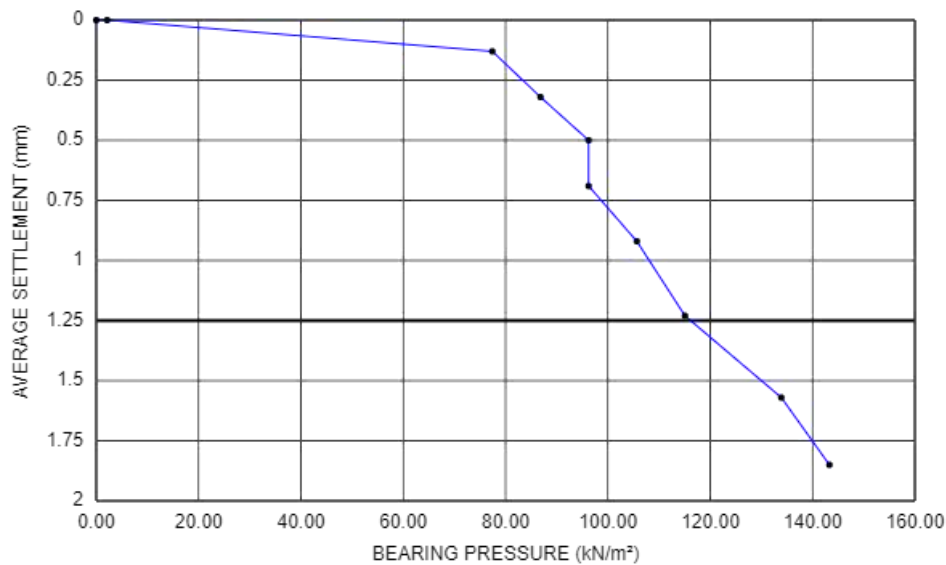
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 143 kN/m²
 Max settlement: 1.85 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 116 kN/m²
 Modulus of subgrade K762: 59 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 11.2%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 11.2 %

Remarks:

Test results reported relate only to the items tested.
 This report shall not be reproduced except in full without approval of the Laboratory.

TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

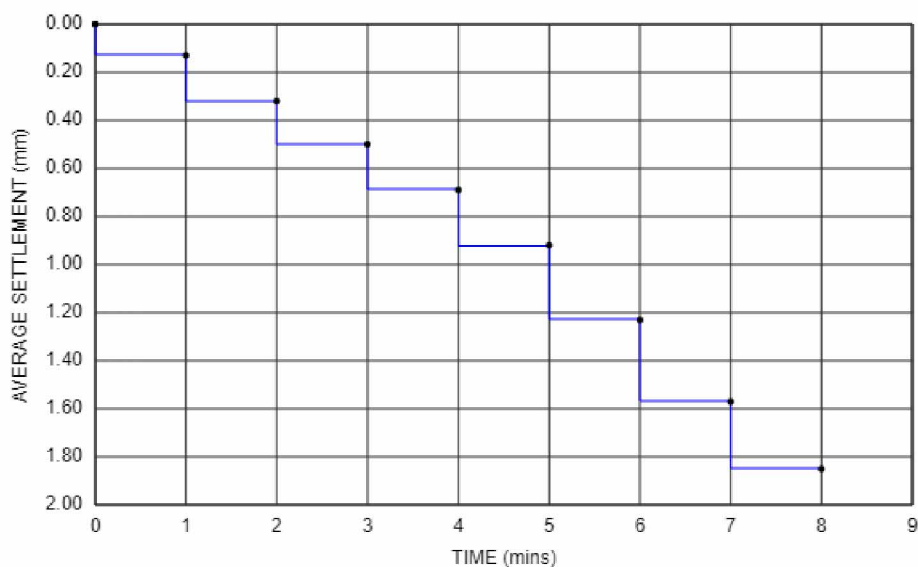
REPORT NUMBER:

C1055642 / 162737.1.1.2

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.02	-0.25	-0.11	0.02	0.25	0.11	0.13
14.1	86.8	-0.12	-0.50	-0.34	0.12	0.50	0.34	0.32
15.6	96.2	-0.22	-0.75	-0.53	0.22	0.75	0.53	0.50
15.6	96.2	-0.35	-1.01	-0.70	0.35	1.01	0.70	0.69
17.2	105.7	-0.55	-1.27	-0.95	0.55	1.27	0.95	0.92
18.7	115.1	-0.78	-1.59	-1.31	0.78	1.59	1.31	1.23
21.8	133.9	-1.07	-1.94	-1.69	1.07	1.94	1.69	1.57
23.3	143.3	-1.32	-2.21	-2.01	1.32	2.21	2.01	1.85

SETTLEMENT RELATIONSHIP vs TIME



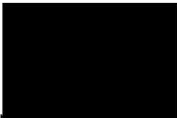
Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Matthew Mills - Laboratory Manager


Approved Signature
16-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C6	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

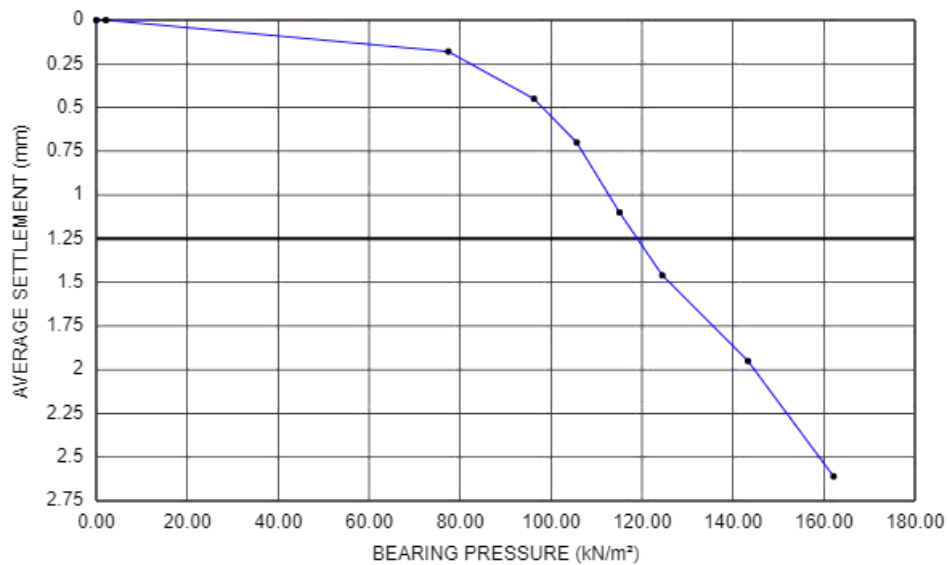
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 162 kN/m²
 Max settlement: 2.61 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 119 kN/m²
 Modulus of subgrade K762: 60 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 11.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 11.6 %

Remarks:

Test results reported relate only to the items tested.
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TEST REPORT:
Determination of Equivalent CBR Value

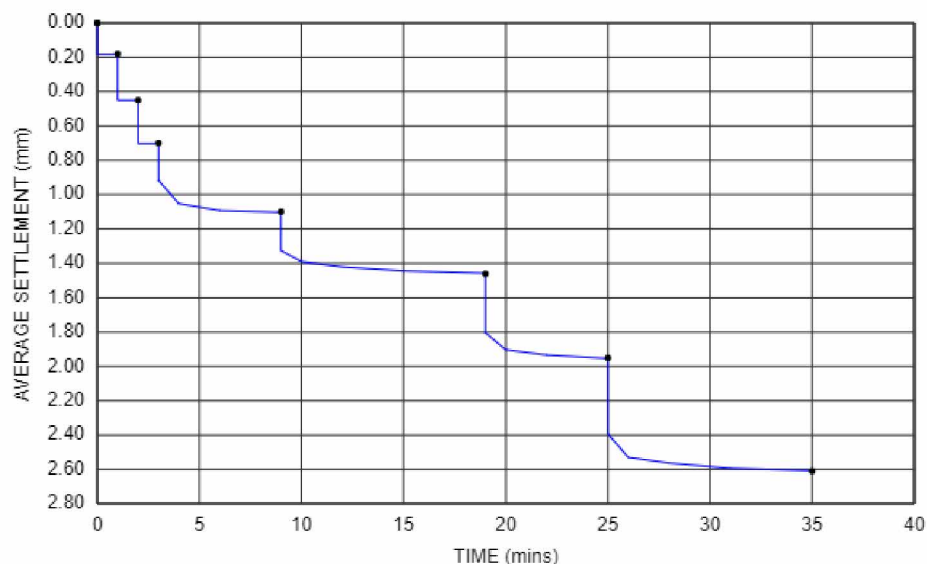
In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

REPORT NUMBER:

C1055642 / 162737.1.1.3

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.12	-0.25	-0.18	0.12	0.25	0.18	0.18
15.6	96.2	-0.44	-0.51	-0.40	0.44	0.51	0.40	0.45
17.2	105.7	-0.81	-0.70	-0.60	0.81	0.70	0.60	0.70
18.7	115.1	-1.32	-1.03	-0.96	1.32	1.03	0.96	1.10
20.2	124.5	-1.79	-1.33	-1.25	1.79	1.33	1.25	1.46
23.3	143.3	-2.36	-1.75	-1.75	2.36	1.75	1.75	1.95
26.4	162.1	-3.11	-2.32	-2.39	3.11	2.32	2.39	2.61

SETTLEMENT RELATIONSHIP vs TIME

Remarks:

Test results reported relate only to the items tested.

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TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C7 - Layer 2 Finished Formation	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

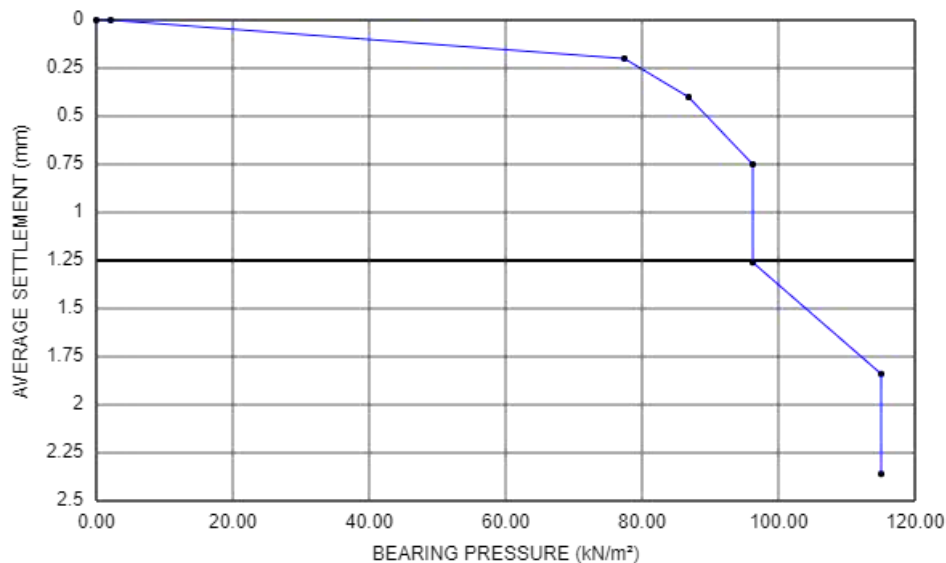
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 115 kN/m²
 Max settlement: 2.36 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 96 kN/m²
 Modulus of subgrade K762: 48 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 8.0%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 8.0 %

Remarks:

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 Amended report. This test report supersedes test report version 1 - Change of location

TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

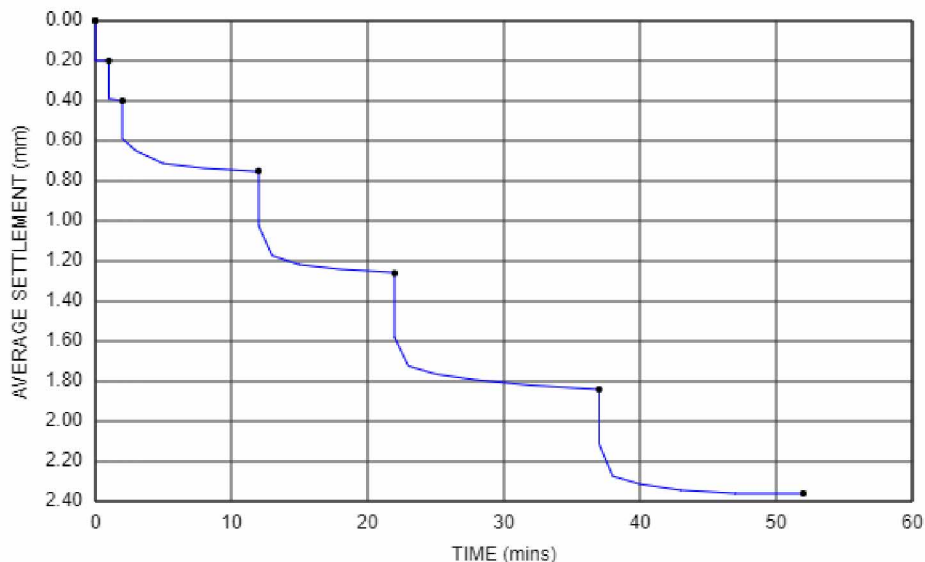
REPORT NUMBER:

C1055642 / 162737.1.1.4

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.10	-0.24	-0.26	0.10	0.24	0.26	0.20
14.1	86.8	-0.18	-0.46	-0.56	0.18	0.46	0.56	0.40
15.6	96.2	-0.40	-0.81	-1.05	0.40	0.81	1.05	0.75
15.6	96.2	-0.81	-1.30	-1.66	0.81	1.30	1.66	1.26
18.7	115.1	-1.35	-1.89	-2.28	1.35	1.89	2.28	1.84
18.7	115.1	-1.87	-2.39	-2.82	1.87	2.39	2.82	2.36

SETTLEMENT RELATIONSHIP vs TIME

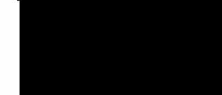


Remarks:

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Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C8 - Layer 1 Finished Formation	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

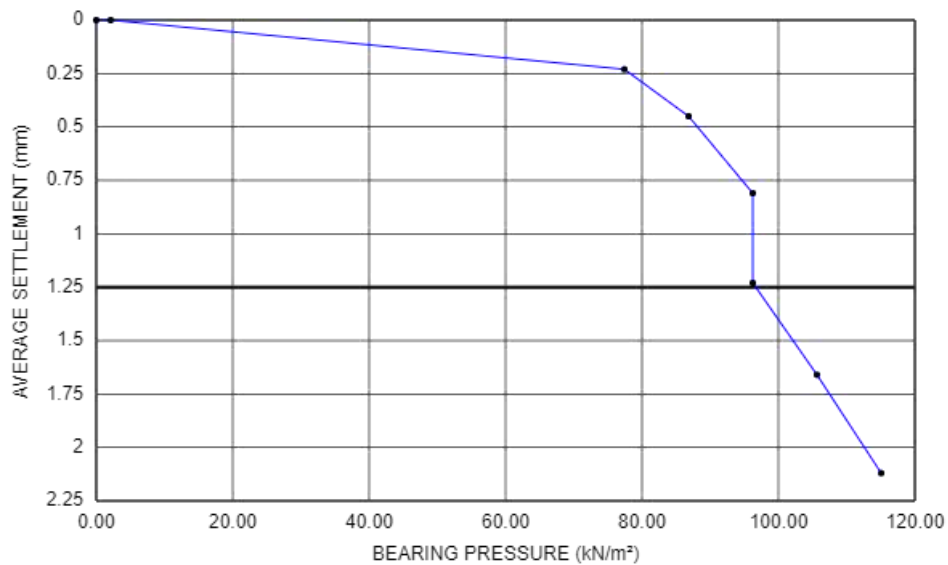
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 115 kN/m²
 Max settlement: 2.12 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 97 kN/m²
 Modulus of subgrade K762: 49 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 8.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 8.1 %

Remarks:

Test results reported relate only to the items tested.
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 Amended report. This test report supersedes test report version 1 - Change of location

TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

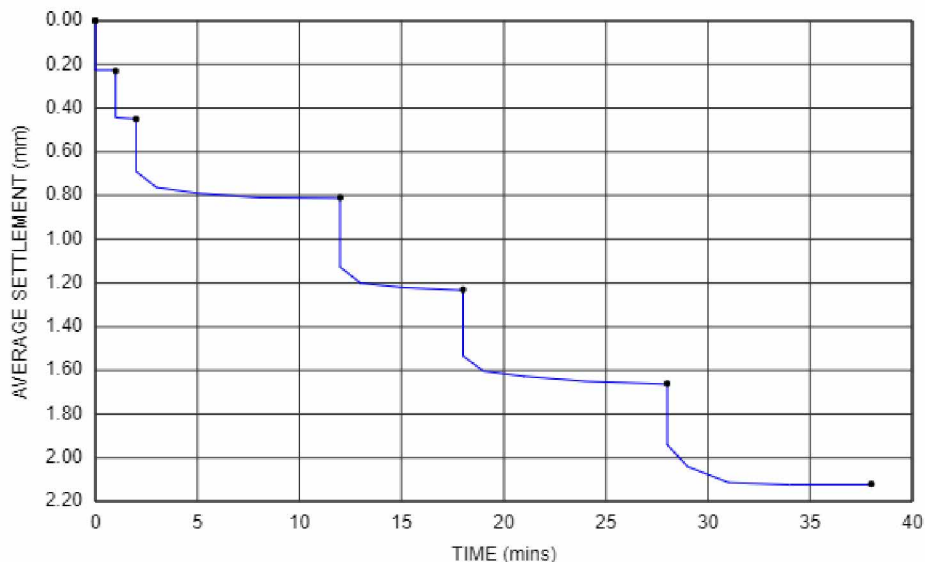
REPORT NUMBER:

C1055642 / 162737.1.1.5

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.16	-0.29	-0.23	0.16	0.29	0.23	0.23
14.1	86.8	-0.27	-0.62	-0.46	0.27	0.62	0.46	0.45
15.6	96.2	-0.56	-1.03	-0.85	0.56	1.03	0.85	0.81
15.6	96.2	-0.99	-1.44	-1.27	0.99	1.44	1.27	1.23
17.2	105.7	-1.38	-1.89	-1.72	1.38	1.89	1.72	1.66
18.7	115.1	-1.86	-2.33	-2.18	1.86	2.33	2.18	2.12

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.6		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	B8 - Layer 1 Finished Formation	MATERIAL:	Clay/crushed stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

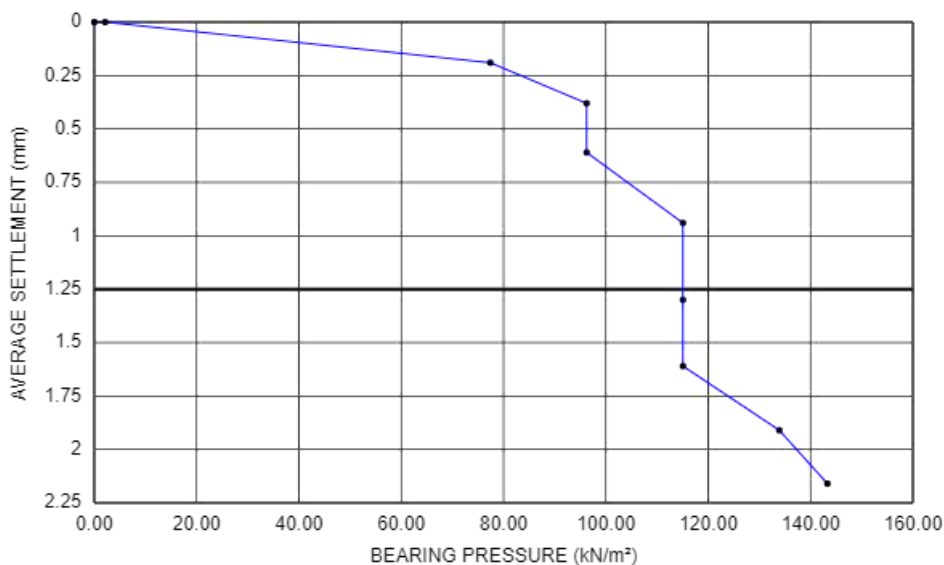
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 143 kN/m²
 Max settlement: 2.16 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 115 kN/m²
 Modulus of subgrade K762: 58 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 10.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 10.9 %

Remarks:

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 Amended report. This test report supersedes test report version 1 - Change of location

TEST REPORT:
Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

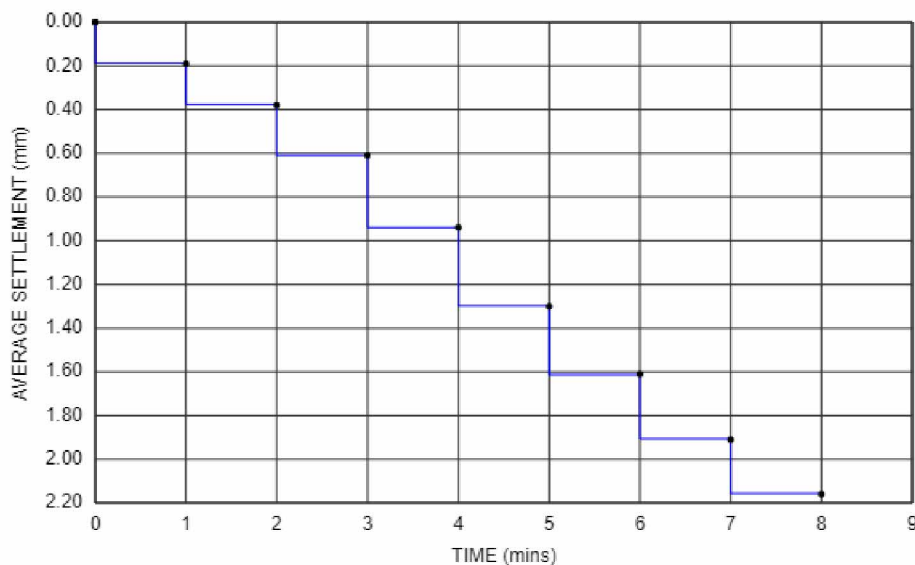
REPORT NUMBER:

C1055642 / 162737.1.1.6

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.13	-0.18	-0.25	0.13	0.18	0.25	0.19
15.6	96.2	-0.24	-0.36	-0.53	0.24	0.36	0.53	0.38
15.6	96.2	-0.44	-0.59	-0.80	0.44	0.59	0.80	0.61
18.7	115.1	-0.79	-0.97	-1.06	0.79	0.97	1.06	0.94
18.7	115.1	-1.17	-1.35	-1.37	1.17	1.35	1.37	1.30
18.7	115.1	-1.49	-1.68	-1.67	1.49	1.68	1.67	1.61
21.8	133.9	-1.85	-1.97	-1.90	1.85	1.97	1.90	1.91
23.3	143.3	-2.12	-2.25	-2.10	2.12	2.25	2.10	2.16

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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 Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor

Approved Signatory
 Report date 25-Jan-22

Construction Testing Solutions Ltd.
 Registered in England No. 05998333



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.7		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	B7 - Layer 1 Finished Formation	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

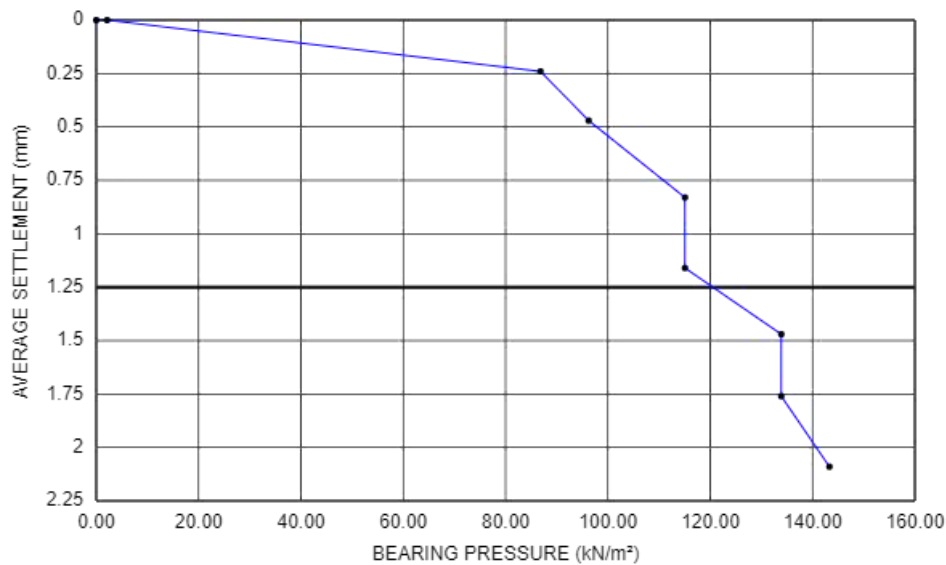
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 143 kN/m²
 Max settlement: 2.09 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 121 kN/m²
 Modulus of subgrade K762: 61 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 11.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 11.9 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

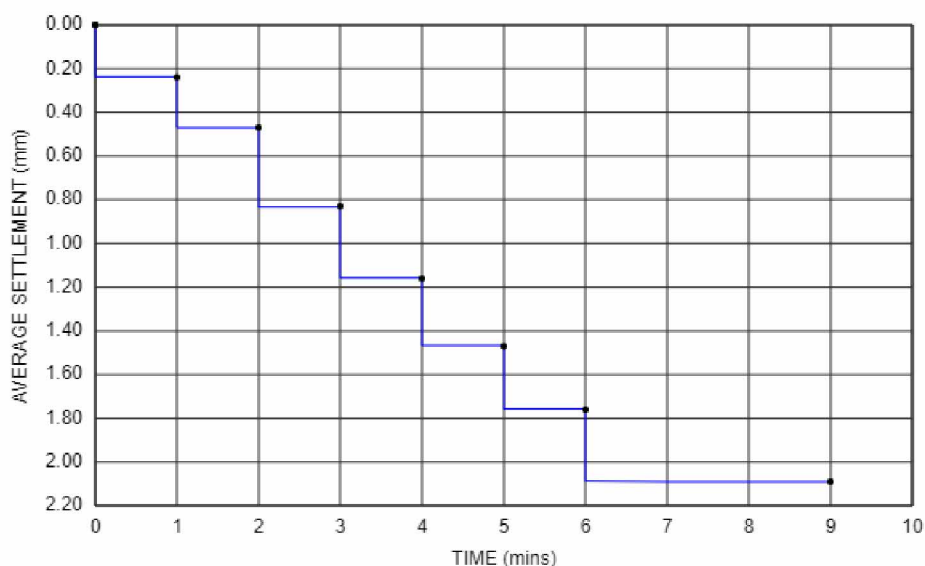
REPORT NUMBER:

C1055642 / 162737.1.1.7

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	86.8	-0.20	-0.24	-0.27	0.20	0.24	0.27	0.24
15.6	96.2	-0.36	-0.51	-0.54	0.36	0.51	0.54	0.47
18.7	115.1	-0.65	-0.90	-0.95	0.65	0.90	0.95	0.83
18.7	115.1	-1.00	-1.23	-1.24	1.00	1.23	1.24	1.16
21.8	133.9	-1.33	-1.53	-1.54	1.33	1.53	1.54	1.47
21.8	133.9	-1.64	-1.82	-1.81	1.64	1.82	1.81	1.76
23.3	143.3	-1.98	-2.15	-2.14	1.98	2.15	2.14	2.09

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 162737.1.1.8		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	16/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	B6 - Layer 1 Finished Formation	MATERIAL:	Clay/stone
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

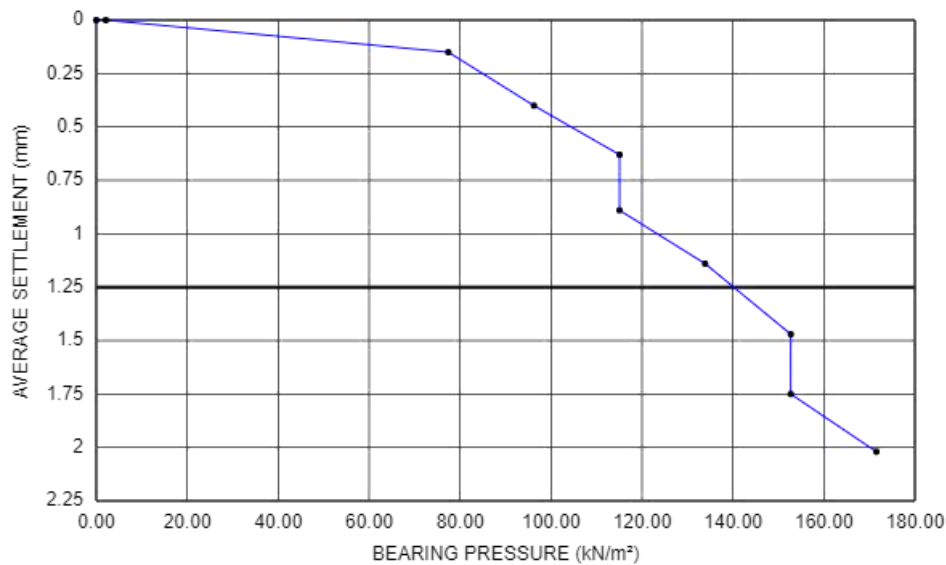
Equipment Details

Type of Kentledge: 18.7 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 172 kN/m²
 Max settlement: 2.02 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 140 kN/m²
 Modulus of subgrade K762: 71 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 15.4%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 15.4 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

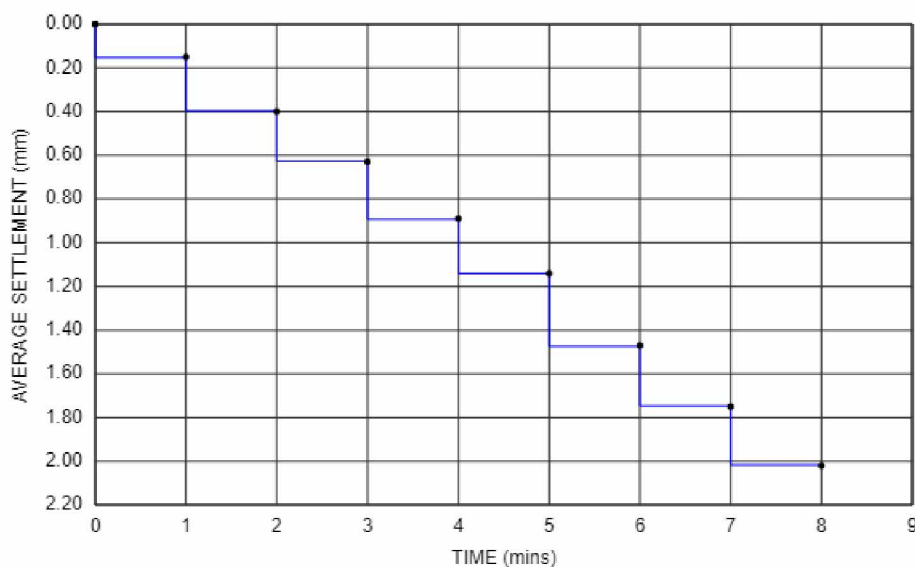
REPORT NUMBER:

C1055642 / 162737.1.1.8

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.08	-0.25	-0.13	0.08	0.25	0.13	0.15
15.6	96.2	-0.27	-0.61	-0.31	0.27	0.61	0.31	0.40
18.7	115.1	-0.51	-0.90	-0.47	0.51	0.90	0.47	0.63
18.7	115.1	-0.74	-1.23	-0.71	0.74	1.23	0.71	0.89
21.8	133.9	-0.95	-1.53	-0.94	0.95	1.53	0.94	1.14
24.8	152.7	-1.32	-1.90	-1.20	1.32	1.90	1.20	1.47
24.8	152.7	-1.59	-2.22	-1.43	1.59	2.22	1.43	1.75
27.9	171.5	-1.86	-2.50	-1.69	1.86	2.50	1.69	2.02

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	D9	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

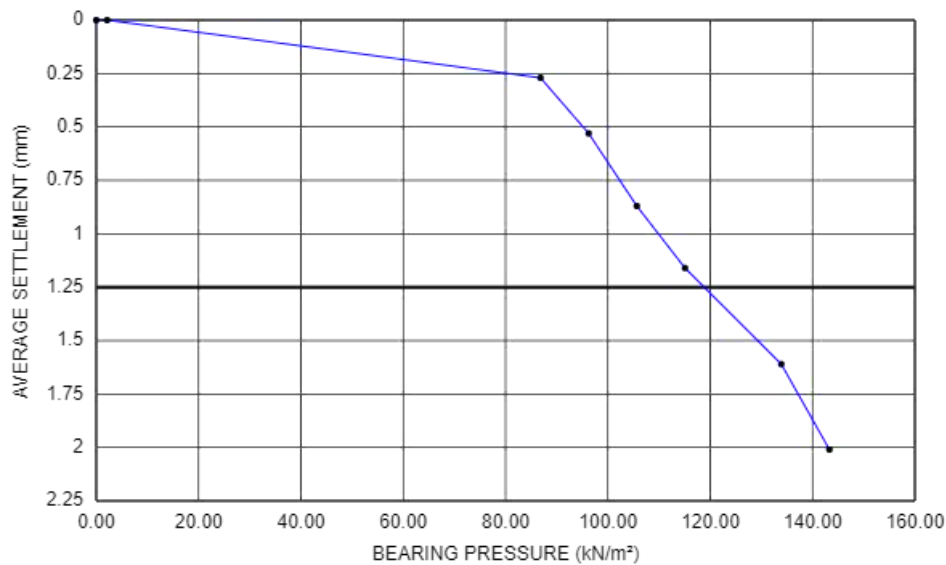
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 143 kN/m²
 Max settlement: 2.01 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 119 kN/m²
 Modulus of subgrade K762: 60 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 11.5%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 11.5 %

Remarks:

Test results reported relate only to the items tested.
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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

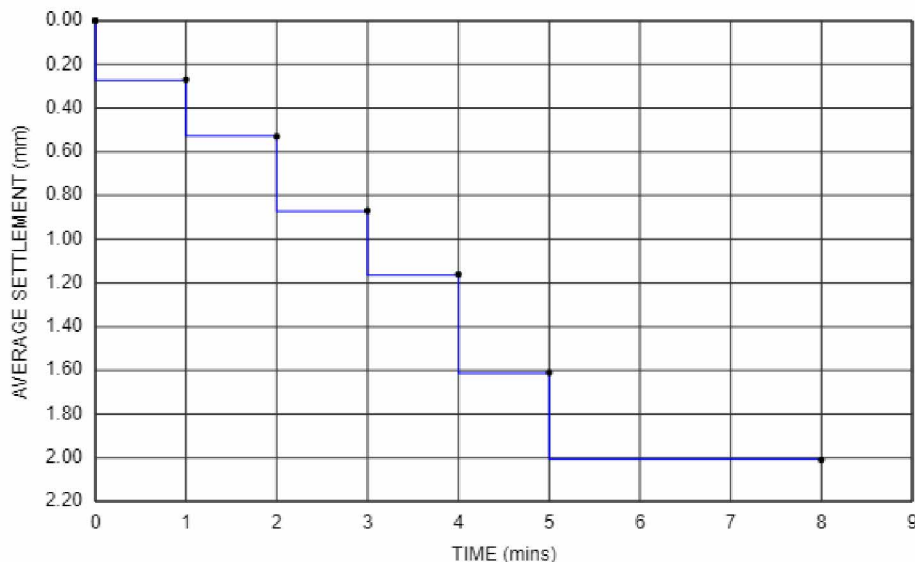
REPORT NUMBER:

C1055642 / 163252.1.1.1

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	86.8	-0.30	-0.25	-0.27	0.30	0.25	0.27	0.27
15.6	96.2	-0.55	-0.50	-0.53	0.55	0.50	0.53	0.53
17.2	105.7	-0.95	-0.81	-0.86	0.95	0.81	0.86	0.87
18.7	115.1	-1.25	-1.08	-1.16	1.25	1.08	1.16	1.16
21.8	133.9	-1.75	-1.51	-1.58	1.75	1.51	1.58	1.61
23.3	143.3	-2.15	-1.88	-1.99	2.15	1.88	1.99	2.01

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager


Approved Signatory
21-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C9 - Layer 1 Finished Formation	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

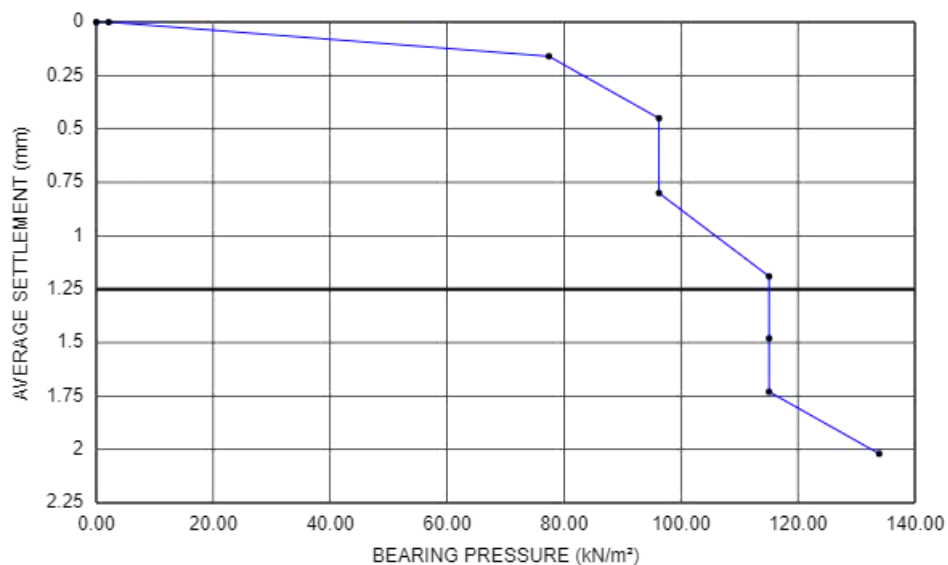
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 134 kN/m²
 Max settlement: 2.02 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 115 kN/m²
 Modulus of subgrade K762: 58 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 10.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 10.9 %

Remarks:

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TEST REPORT:
Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

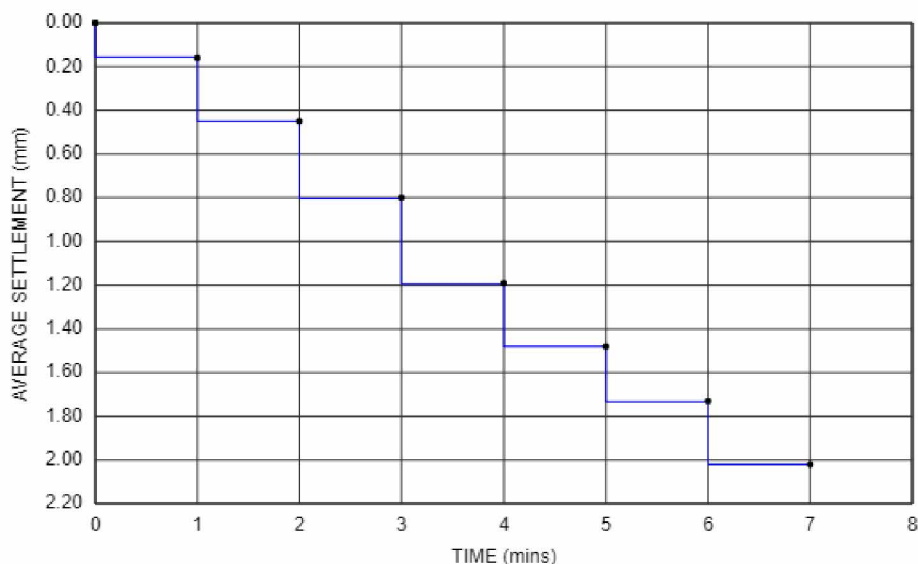
REPORT NUMBER:

C1055642 / 163252.1.1.2

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.26	-0.17	-0.04	0.26	0.17	0.04	0.16
15.6	96.2	-0.68	-0.51	-0.16	0.68	0.51	0.16	0.45
15.6	96.2	-1.14	-0.89	-0.38	1.14	0.89	0.38	0.80
18.7	115.1	-1.68	-1.27	-0.63	1.68	1.27	0.63	1.19
18.7	115.1	-2.05	-1.55	-0.84	2.05	1.55	0.84	1.48
18.7	115.1	-2.37	-1.81	-1.02	2.37	1.81	1.02	1.73
21.8	133.9	-2.75	-2.08	-1.23	2.75	2.08	1.23	2.02

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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 Amended report. This test report supersedes test report version 1 - Change of location

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor



Approved Signatory
 Report date 25-Jan-22



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C10	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

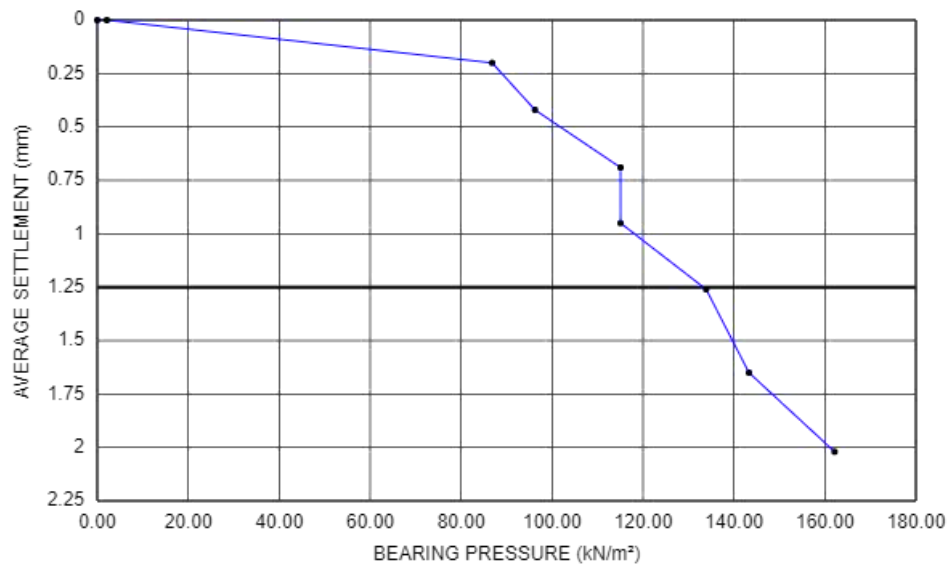
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 162 kN/m²
 Max settlement: 2.02 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 133 kN/m²
 Modulus of subgrade K762: 67 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 14.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 14.1 %

Remarks:

Test results reported relate only to the items tested.
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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

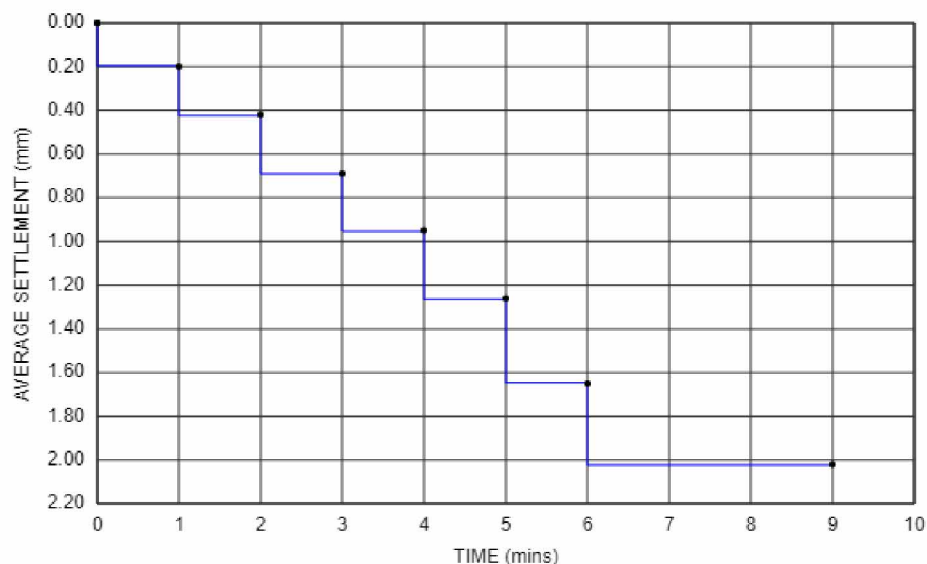
REPORT NUMBER:

C1055642 / 163252.1.1.3

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	86.8	-0.14	-0.18	-0.27	0.14	0.18	0.27	0.20
15.6	96.2	-0.27	-0.41	-0.59	0.27	0.41	0.59	0.42
18.7	115.1	-0.48	-0.69	-0.90	0.48	0.69	0.90	0.69
18.7	115.1	-0.70	-0.97	-1.19	0.70	0.97	1.19	0.95
21.8	133.9	-1.00	-1.30	-1.49	1.00	1.30	1.49	1.26
23.3	143.3	-1.37	-1.70	-1.87	1.37	1.70	1.87	1.65
26.4	162.1	-1.75	-2.07	-2.25	1.75	2.07	2.25	2.02

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.

This report shall not be reproduced except in full without approval of the Laboratory.

For and on behalf of CTS

Matthew Mills - Laboratory Manager



Approved Signatory

21-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C11	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

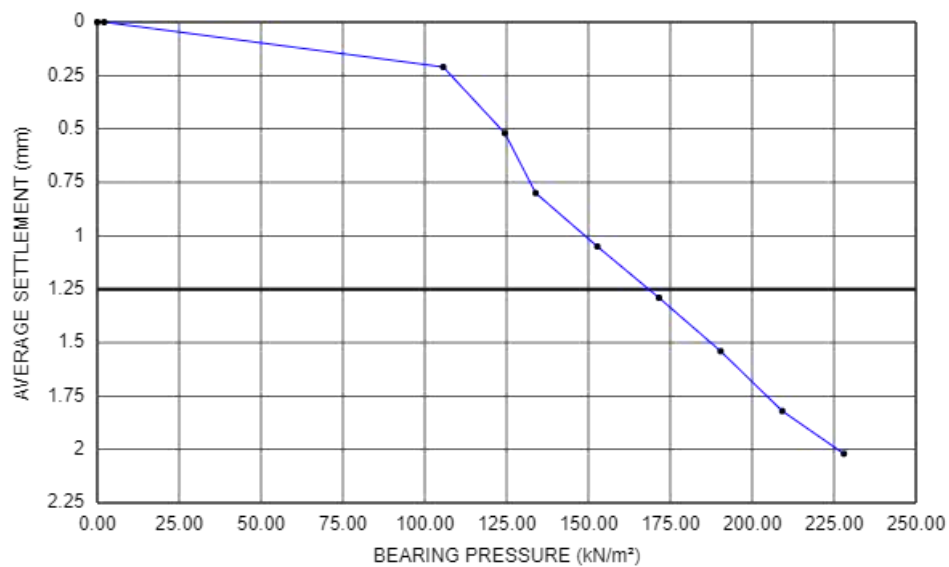
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 228 kN/m²
 Max settlement: 2.02 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 169 kN/m²
 Modulus of subgrade K762: 85 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 21.2%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 21.2 %

Remarks:

Test results reported relate only to the items tested.
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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

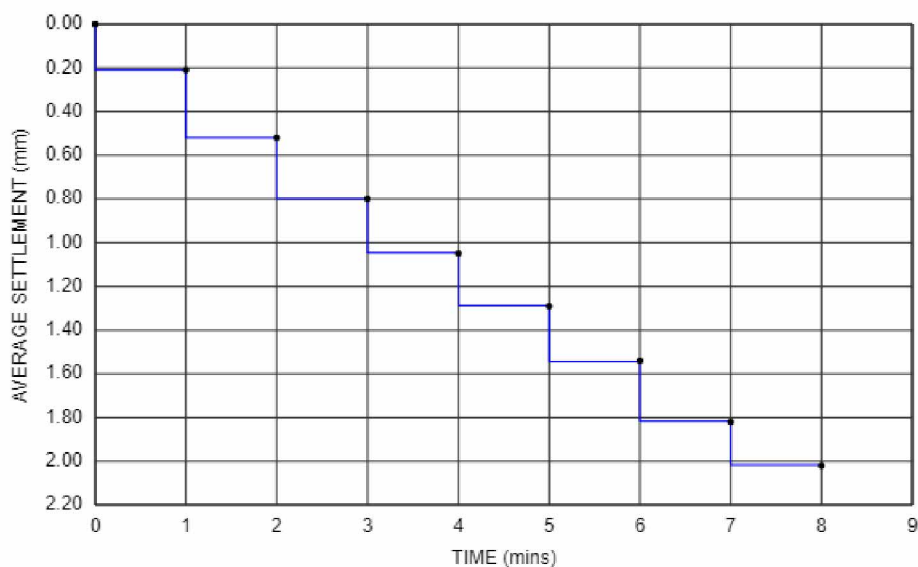
REPORT NUMBER:

C1055642 / 163252.1.1.4

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.2	105.7	-0.15	-0.19	-0.29	0.15	0.19	0.29	0.21
20.2	124.5	-0.45	-0.53	-0.58	0.45	0.53	0.58	0.52
21.8	133.9	-0.71	-0.85	-0.84	0.71	0.85	0.84	0.80
24.8	152.7	-0.93	-1.13	-1.08	0.93	1.13	1.08	1.05
27.9	171.5	-1.13	-1.41	-1.32	1.13	1.41	1.32	1.29
31.0	190.4	-1.37	-1.69	-1.57	1.37	1.69	1.57	1.54
34.0	209.2	-1.59	-1.99	-1.87	1.59	1.99	1.87	1.82
37.1	228.0	-1.75	-2.22	-2.08	1.75	2.22	2.08	2.02

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Matthew Mills - Laboratory Manager



Approved Signatory

21-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	C12	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

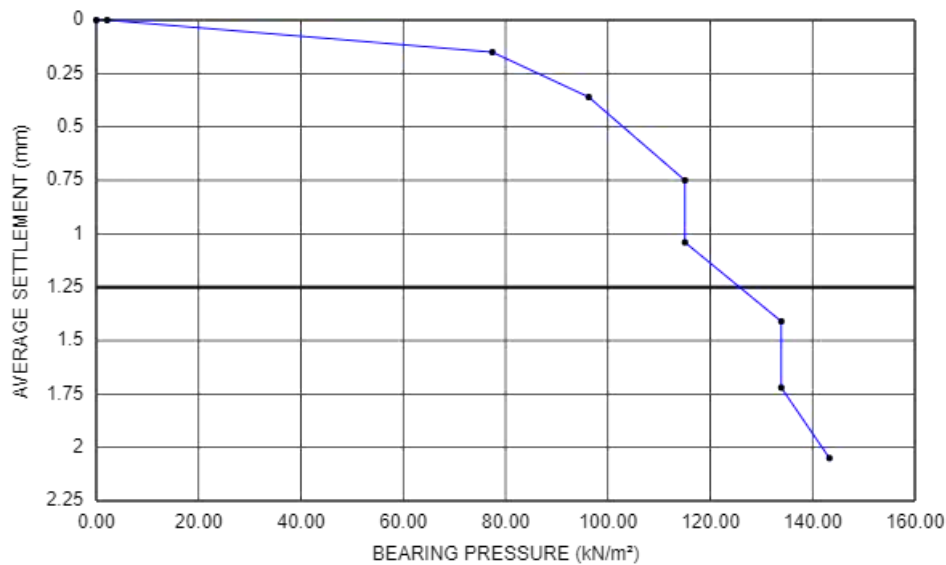
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 143 kN/m²
 Max settlement: 2.05 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 126 kN/m²
 Modulus of subgrade K762: 63 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 12.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 12.8 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

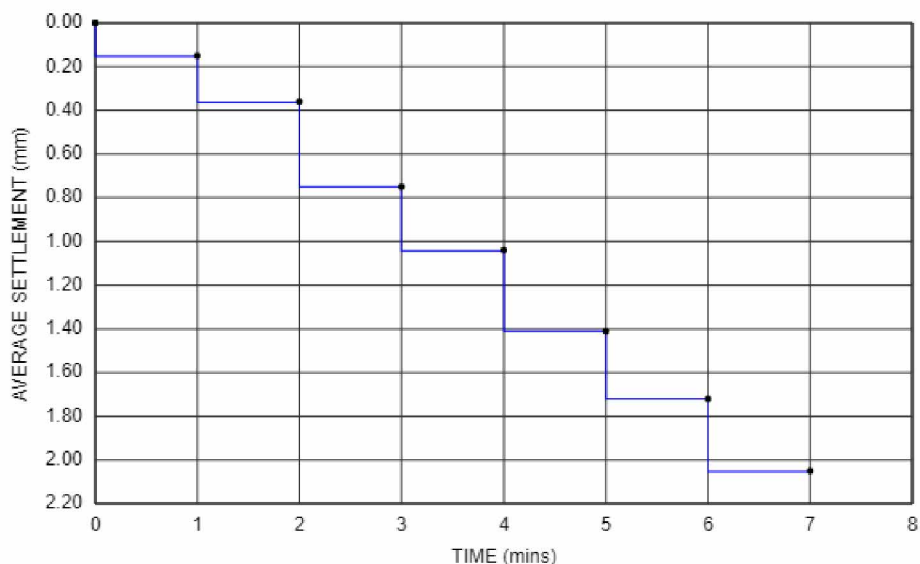
REPORT NUMBER:

C1055642 / 163252.1.1.5

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	77.4	-0.07	-0.13	-0.26	0.07	0.13	0.26	0.15
15.6	96.2	-0.22	-0.33	-0.54	0.22	0.33	0.54	0.36
18.7	115.1	-0.54	-0.72	-0.99	0.54	0.72	0.99	0.75
18.7	115.1	-0.81	-1.03	-1.29	0.81	1.03	1.29	1.04
21.8	133.9	-1.18	-1.40	-1.65	1.18	1.40	1.65	1.41
21.8	133.9	-1.50	-1.72	-1.94	1.50	1.72	1.94	1.72
23.3	143.3	-1.82	-2.06	-2.28	1.82	2.06	2.28	2.05

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager



Approved Signatory

21-Dec-21



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TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.6		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	D12	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

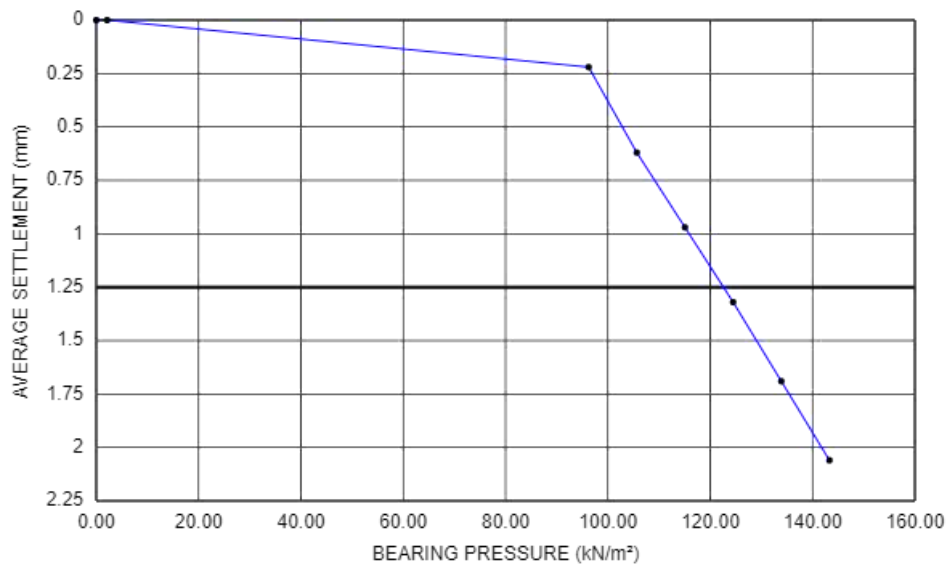
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 143 kN/m²
 Max settlement: 2.06 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 123 kN/m²
 Modulus of subgrade K762: 62 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 12.2%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 12.2 %

Remarks:

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TEST REPORT:
Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

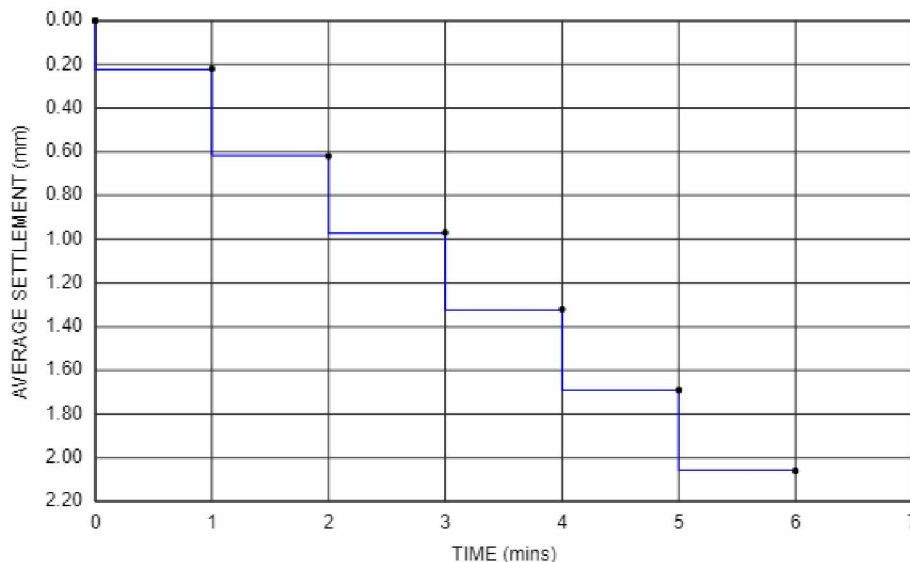
REPORT NUMBER:

C1055642 / 163252.1.1.6

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	96.2	-0.14	-0.25	-0.28	0.14	0.25	0.28	0.22
17.2	105.7	-0.51	-0.68	-0.66	0.51	0.68	0.66	0.62
18.7	115.1	-0.86	-1.02	-1.04	0.86	1.02	1.04	0.97
20.2	124.5	-1.22	-1.37	-1.38	1.22	1.37	1.38	1.32
21.8	133.9	-1.58	-1.75	-1.74	1.58	1.75	1.74	1.69
23.3	143.3	-1.93	-2.13	-2.11	1.93	2.13	2.11	2.06

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager


 Approved Signatory
 21-Dec-21


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TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.7		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	D11	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

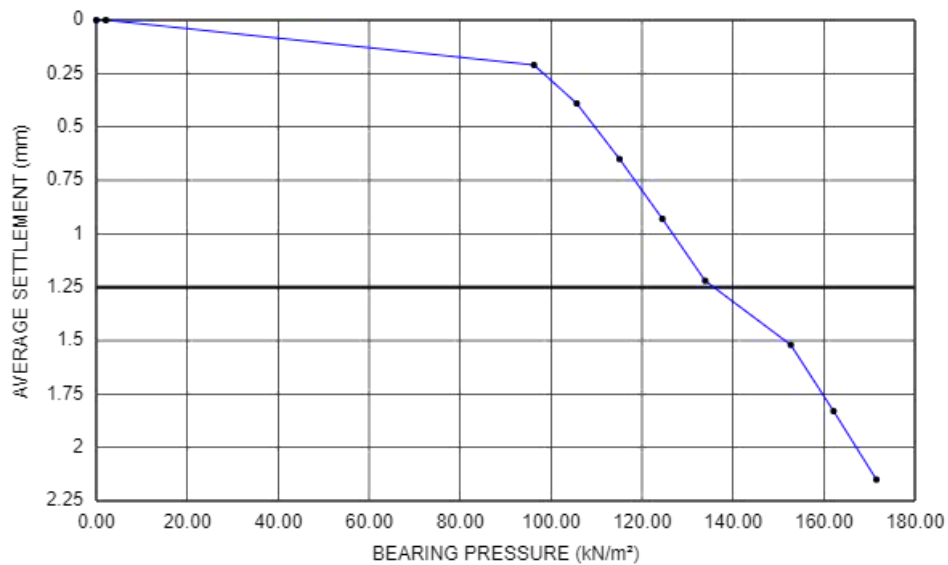
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 172 kN/m²
 Max settlement: 2.15 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 136 kN/m²
 Modulus of subgrade K762: 68 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 14.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 14.6 %

Remarks:

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TEST REPORT:
Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

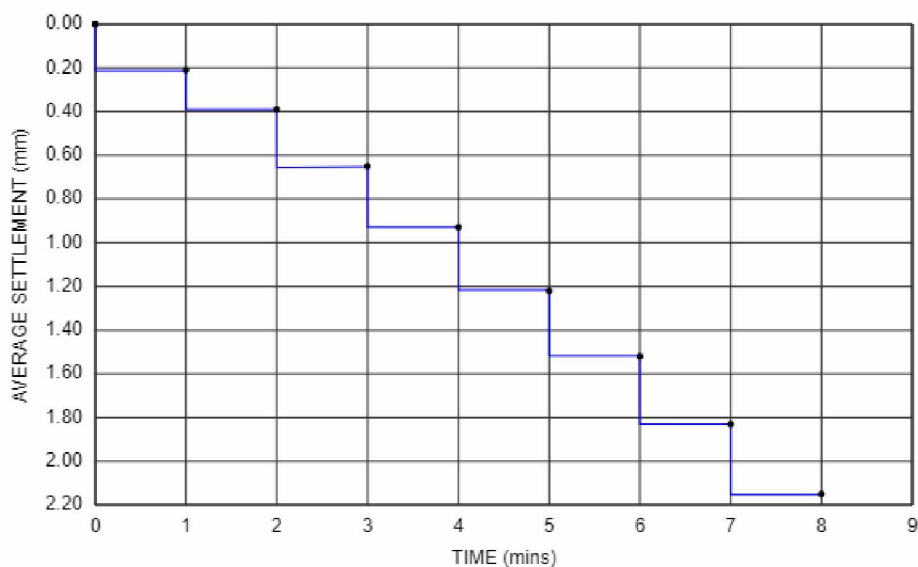
REPORT NUMBER:

C1055642 / 163252.1.1.7

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	96.2	-0.24	-0.15	-0.25	0.24	0.15	0.25	0.21
17.2	105.7	-0.41	-0.26	-0.50	0.41	0.26	0.50	0.39
18.7	115.1	-0.66	-0.47	-0.83	0.66	0.47	0.83	0.65
20.2	124.5	-0.93	-0.73	-1.13	0.93	0.73	1.13	0.93
21.8	133.9	-1.21	-0.99	-1.45	1.21	0.99	1.45	1.22
24.8	152.7	-1.50	-1.27	-1.78	1.50	1.27	1.78	1.52
26.4	162.1	-1.80	-1.58	-2.11	1.80	1.58	2.11	1.83
27.9	171.5	-2.11	-1.90	-2.45	2.11	1.90	2.45	2.15

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager



Approved Signatory

21-Dec-21



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TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 163252.1.1.9		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	21/12/2021	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	D10	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-Situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

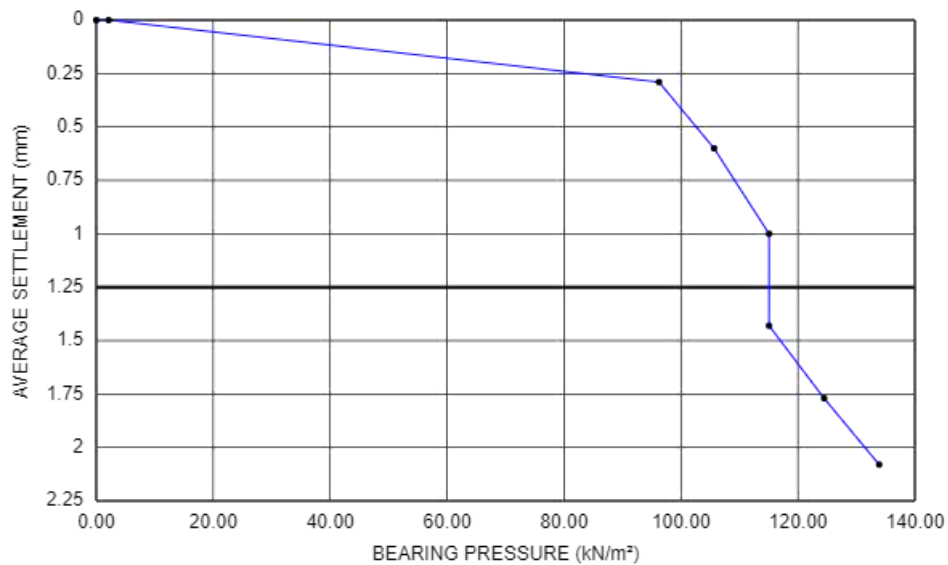
Equipment Details

Type of Kentledge: 18.8 Ton Excavator
 Plate Diameter: 455 mm
 Plate Area: 0.162597 m²
 Plate Correction: 0.63

Results

Max applied pressure: 134 kN/m²
 Max settlement: 2.08 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 115 kN/m²
 Modulus of subgrade K762: 58 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 10.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 10.9 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

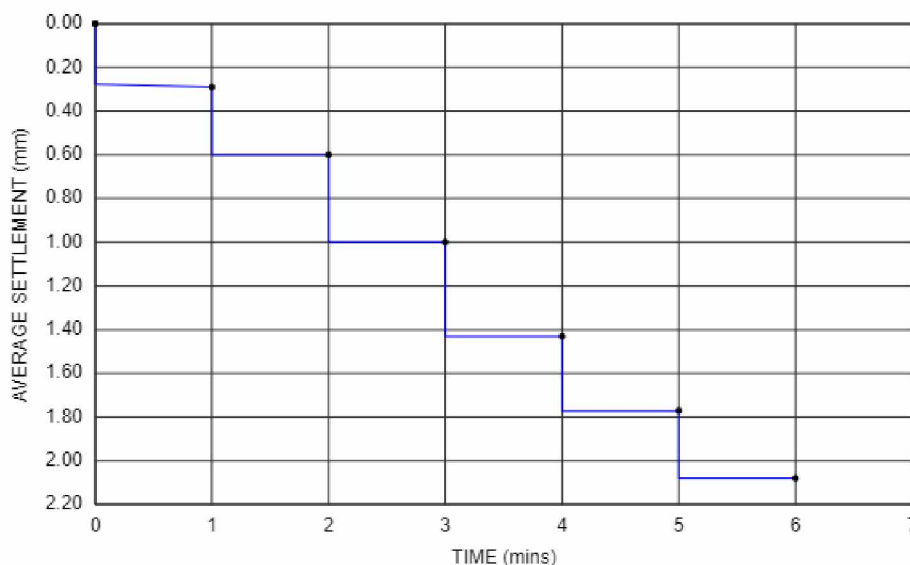
REPORT NUMBER:

C1055642 / 163252.1.1.9

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	96.2	-0.26	-0.32	-0.29	0.26	0.32	0.29	0.29
17.2	105.7	-0.62	-0.63	-0.55	0.62	0.63	0.55	0.60
18.7	115.1	-1.04	-1.07	-0.89	1.04	1.07	0.89	1.00
18.7	115.1	-1.48	-1.53	-1.28	1.48	1.53	1.28	1.43
20.2	124.5	-1.83	-1.89	-1.60	1.83	1.89	1.60	1.77
21.8	133.9	-2.15	-2.22	-1.87	2.15	2.22	1.87	2.08

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager



Approved Signatory
21-Dec-21



0927

TEST REPORT:	Determination of Equivalent CBR Value		
	In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)		
REPORT NUMBER:	C1055642 / 164200.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	06/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	B10	MATERIAL:	Crushed type 1
DISTANCE FROM EDGE OF PLATE TO WALL:	0 mm	SUPPLIER:	Site won
TEST METHOD:	Incremental Plate Loading	SOURCE:	In-situ
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

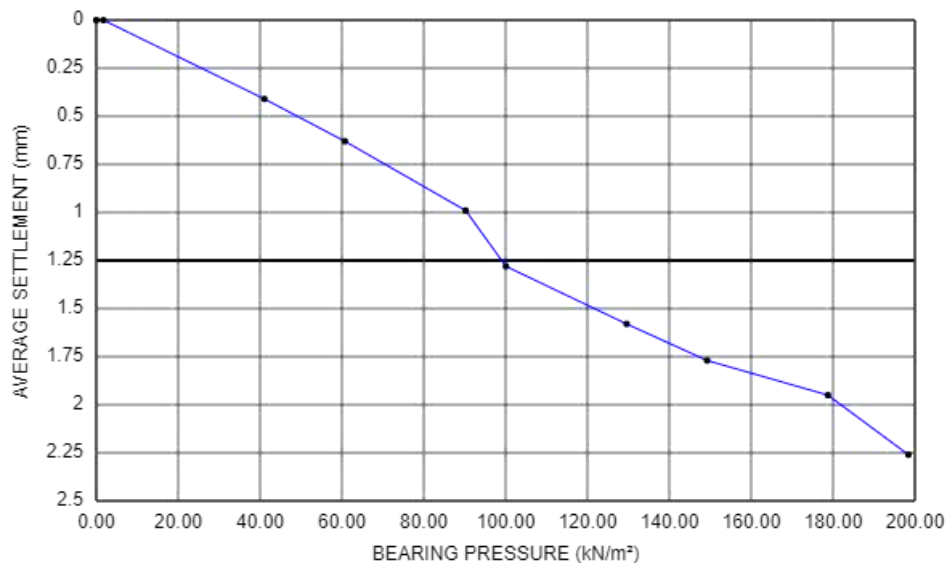
Equipment Details

Type of Kentledge: 15t dozer
 Plate Diameter: 450 mm
 Plate Area: 0.159043 m²
 Plate Correction: 0.62

Results

Max applied pressure: 198 kN/m²
 Max settlement: 2.26 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 99 kN/m²
 Modulus of subgrade K762: 49 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 8.3%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 8.3 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

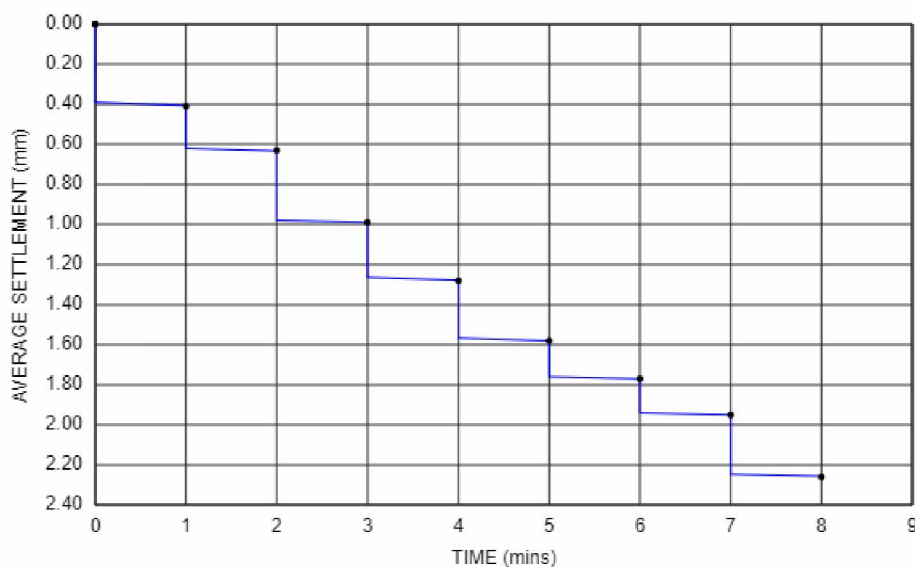
REPORT NUMBER:

C1055642 / 164200.1.1.1

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.3	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	41.1	-0.27	-0.46	-0.49	0.27	0.46	0.49	0.41
9.7	60.7	-0.58	-0.63	-0.69	0.58	0.63	0.69	0.63
14.4	90.2	-0.97	-1.05	-0.95	0.97	1.05	0.95	0.99
15.9	100.1	-1.30	-1.33	-1.20	1.30	1.33	1.20	1.28
20.6	129.6	-1.57	-1.69	-1.48	1.57	1.69	1.48	1.58
23.7	149.2	-1.79	-1.84	-1.68	1.79	1.84	1.68	1.77
28.4	178.7	-1.94	-2.04	-1.87	1.94	2.04	1.87	1.95
31.6	198.4	-2.35	-2.32	-2.10	2.35	2.32	2.10	2.26

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Atif Mohammed - Supervisor



Approved Signatory
07-Jan-22



0927