

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 / 168578.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G7 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

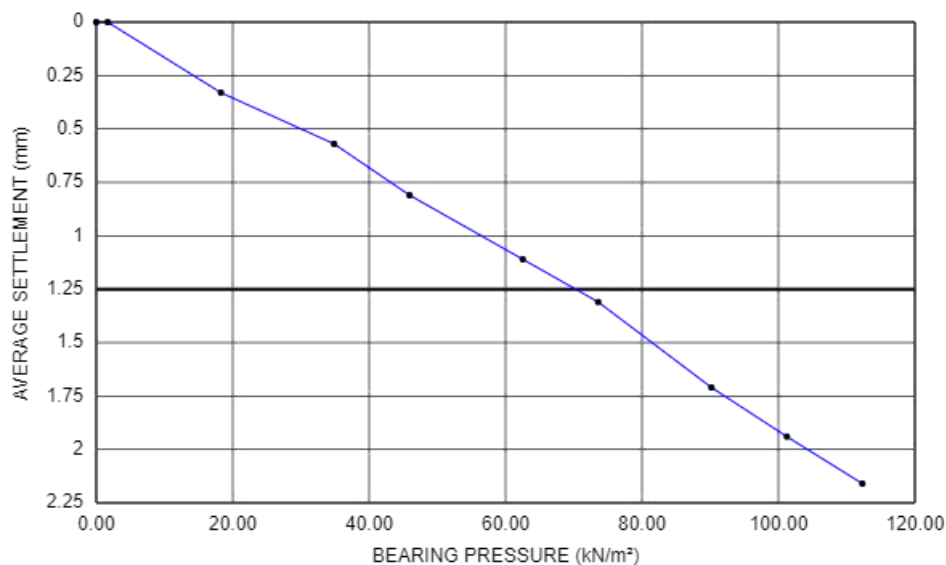
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 112 kN/m²
 Max settlement: 2.16 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 70 kN/m²
 Modulus of subgrade K762: 45 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.1 %

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)

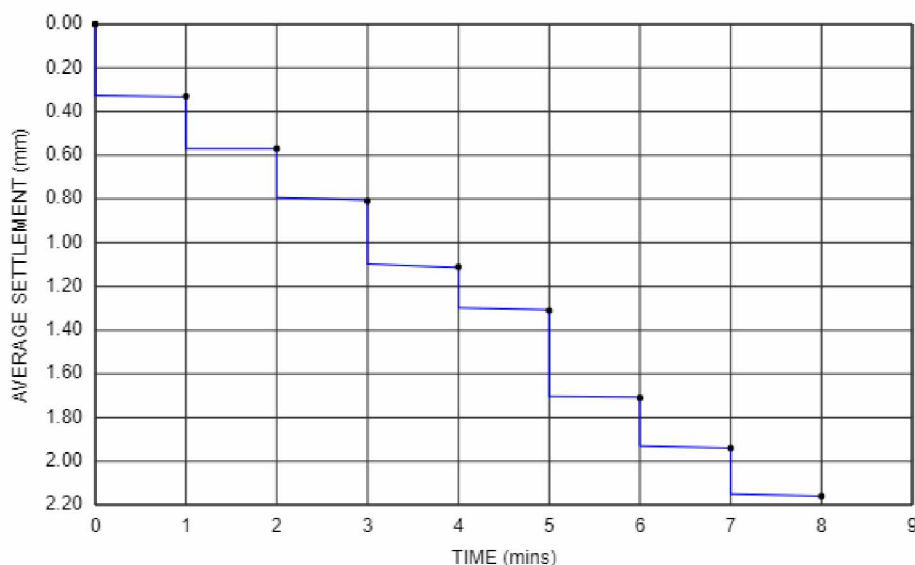
REPORT NUMBER:

C1055642 / 168578.1.1.2

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.2	18.3	-0.25	-0.37	-0.38	0.25	0.37	0.38	0.33
9.9	34.9	-0.49	-0.62	-0.60	0.49	0.62	0.60	0.57
13.0	45.9	-0.72	-0.89	-0.81	0.72	0.89	0.81	0.81
17.7	62.5	-1.00	-1.24	-1.10	1.00	1.24	1.10	1.11
20.8	73.6	-1.20	-1.46	-1.26	1.20	1.46	1.26	1.31
25.5	90.2	-1.62	-1.90	-1.60	1.62	1.90	1.60	1.71
28.6	101.2	-1.90	-2.03	-1.89	1.90	2.03	1.89	1.94
31.8	112.3	-2.11	-2.32	-2.05	2.11	2.32	2.05	2.16

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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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 / 168578.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G8 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

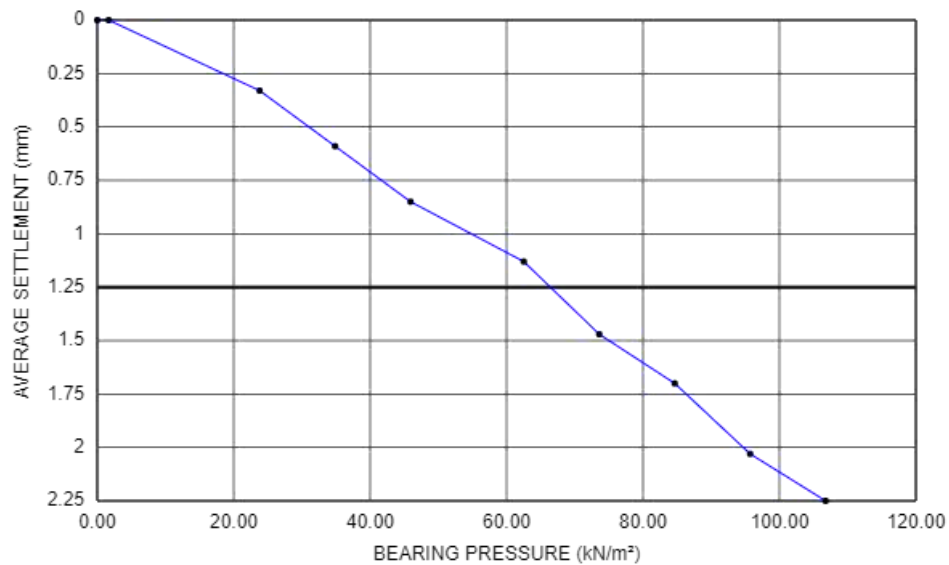
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 107 kN/m²
 Max settlement: 2.25 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 66 kN/m²
 Modulus of subgrade K762: 43 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 6.5%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.5 %

Remarks:

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

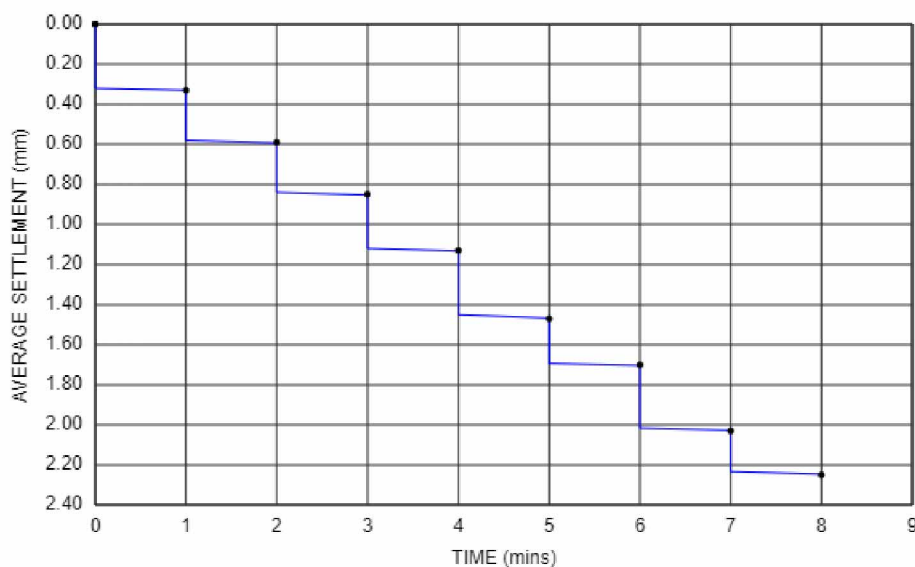
REPORT NUMBER:

C1055642 / 168578.1.1.3

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	23.8	-0.29	-0.27	-0.43	0.29	0.27	0.43	0.33
9.9	34.9	-0.48	-0.55	-0.75	0.48	0.55	0.75	0.59
13.0	45.9	-0.73	-0.83	-1.00	0.73	0.83	1.00	0.85
17.7	62.5	-1.02	-1.11	-1.27	1.02	1.11	1.27	1.13
20.8	73.6	-1.33	-1.45	-1.62	1.33	1.45	1.62	1.47
23.9	84.6	-1.54	-1.73	-1.84	1.54	1.73	1.84	1.70
27.1	95.7	-1.81	-2.10	-2.17	1.81	2.10	2.17	2.03
30.2	106.8	-2.00	-2.25	-2.49	2.00	2.25	2.49	2.25

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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Vincent Faulkner - Operations Supervisor



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Report date 25-Jan-22



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	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 / 168578.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G9 - Cut, Finished Formation	MATERIAL:	Clay/ballast.
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

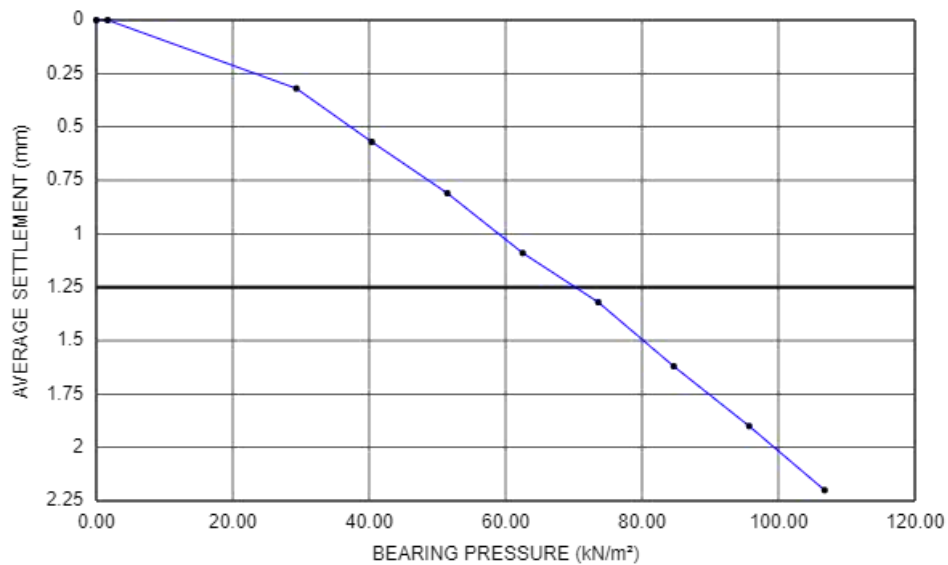
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 107 kN/m²
 Max settlement: 2.20 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 70 kN/m²
 Modulus of subgrade K762: 45 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.1 %

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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)

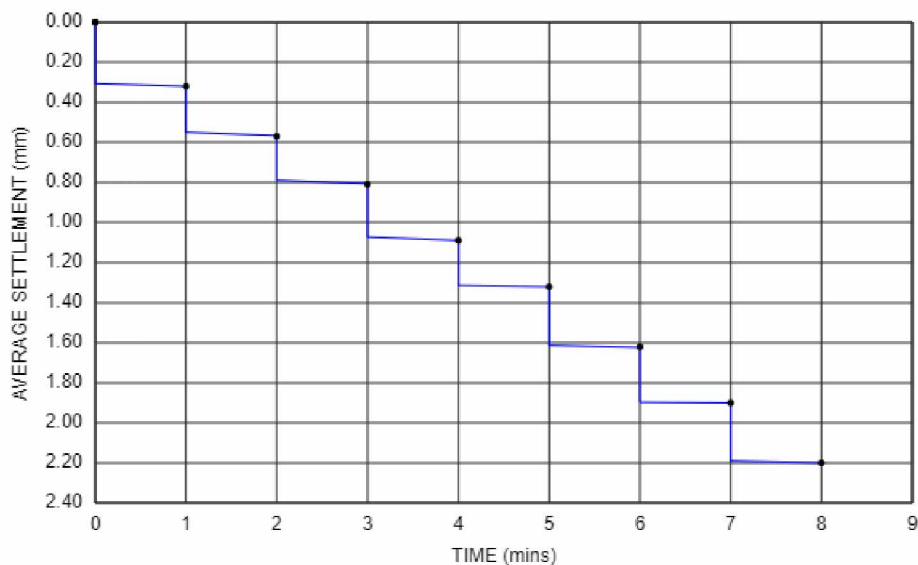
REPORT NUMBER:

C1055642 / 168578.1.1.4

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	29.3	-0.32	-0.35	-0.29	0.32	0.35	0.29	0.32
11.4	40.4	-0.54	-0.59	-0.57	0.54	0.59	0.57	0.57
14.5	51.5	-0.73	-0.86	-0.83	0.73	0.86	0.83	0.81
17.7	62.5	-1.02	-1.14	-1.11	1.02	1.14	1.11	1.09
20.8	73.6	-1.23	-1.38	-1.35	1.23	1.38	1.35	1.32
23.9	84.6	-1.52	-1.73	-1.62	1.52	1.73	1.62	1.62
27.1	95.7	-1.79	-2.03	-1.88	1.79	2.03	1.88	1.90
30.2	106.8	-2.05	-2.35	-2.20	2.05	2.35	2.20	2.20

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

Report date 25-Jan-22



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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 / 168578.1.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F9 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

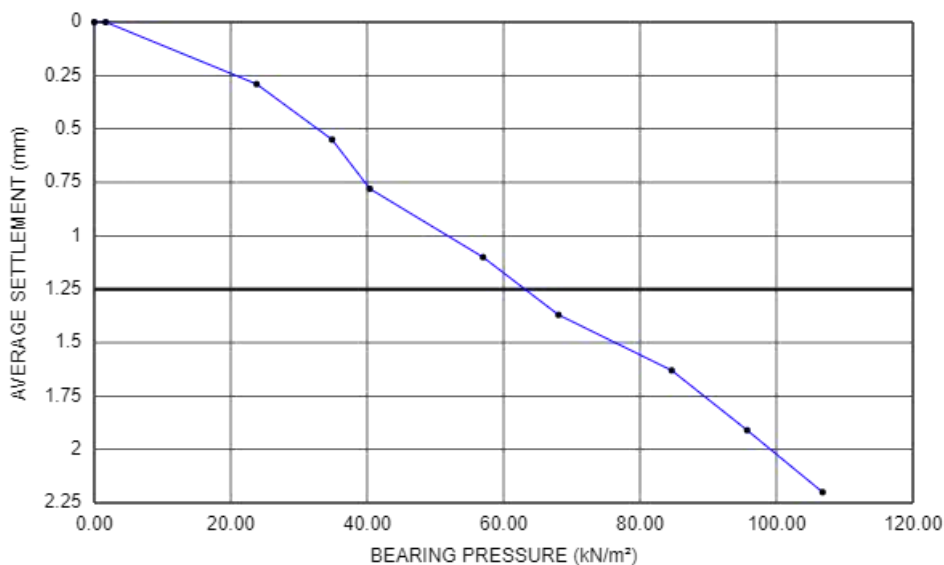
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 107 kN/m²
 Max settlement: 2.20 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 63 kN/m²
 Modulus of subgrade K762: 41 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.9 %

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)

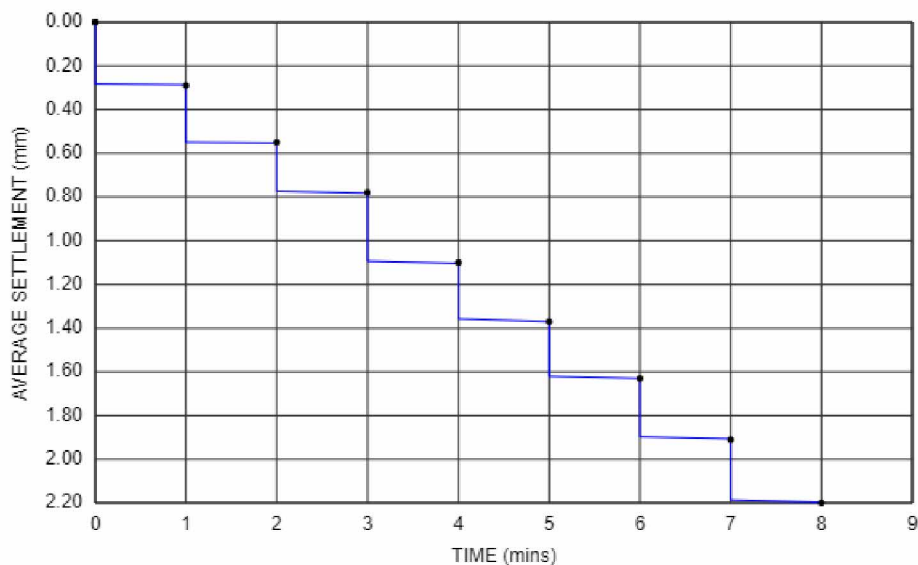
REPORT NUMBER:

C1055642 / 168578.1.1.5

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	23.8	-0.46	-0.35	-0.05	0.46	0.35	0.05	0.29
9.9	34.9	-0.67	-0.77	-0.22	0.67	0.77	0.22	0.55
11.4	40.4	-0.92	-0.99	-0.44	0.92	0.99	0.44	0.78
16.1	57.0	-1.20	-1.32	-0.79	1.20	1.32	0.79	1.10
19.2	68.1	-1.50	-1.59	-1.02	1.50	1.59	1.02	1.37
23.9	84.6	-1.79	-1.83	-1.27	1.79	1.83	1.27	1.63
27.1	95.7	-2.04	-2.06	-1.62	2.04	2.06	1.62	1.91
30.2	106.8	-2.29	-2.39	-1.91	2.29	2.39	1.91	2.20

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



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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 / 168578.1.1.6		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	K13 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

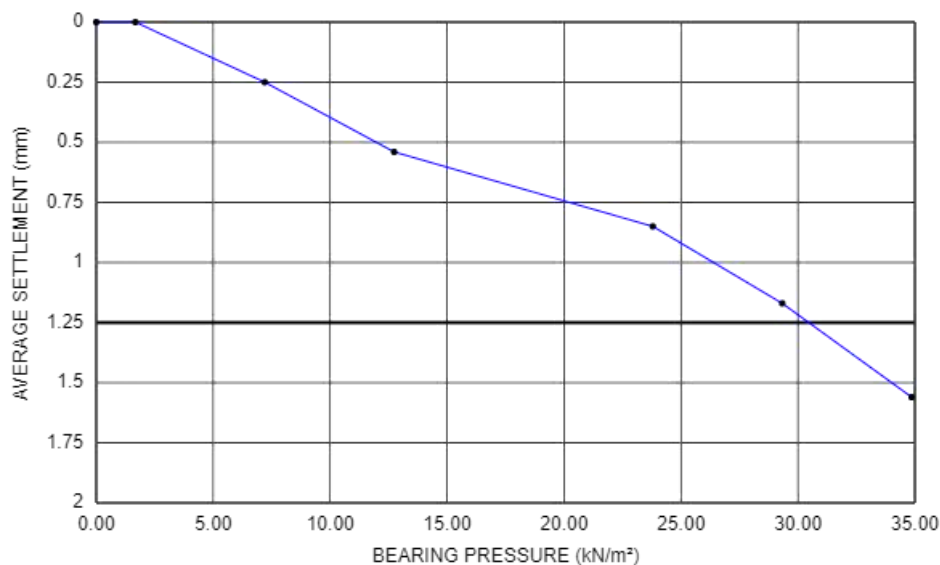
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 35 kN/m²
 Max settlement: 1.56 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 30 kN/m²
 Modulus of subgrade K762: 20 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 1.7%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 1.7 %

Remarks:

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 Test failed so stopped before finished. To be retested another date.

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)

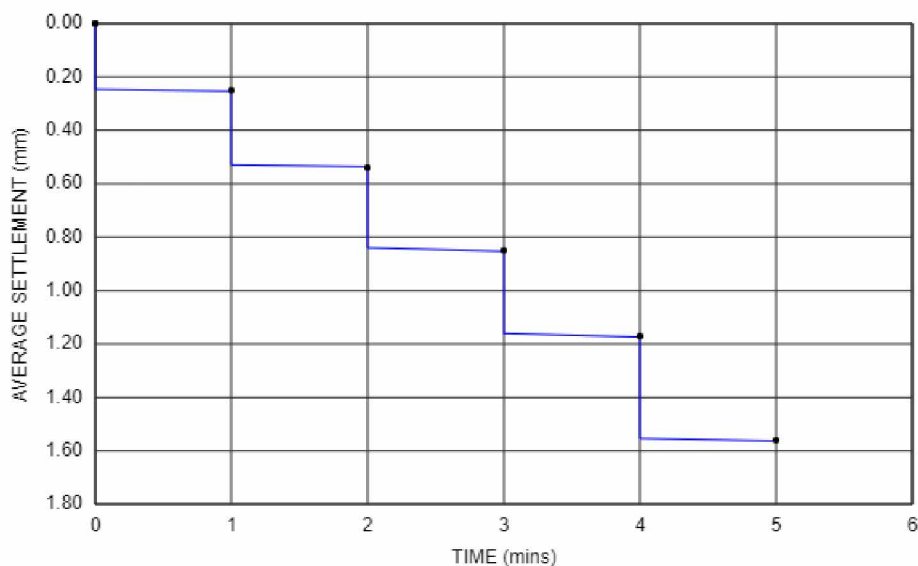
REPORT NUMBER:

C1055642 / 168578.1.1.6

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.0	7.2	-0.46	-0.22	-0.08	0.46	0.22	0.08	0.25
3.6	12.7	-0.83	-0.56	-0.22	0.83	0.56	0.22	0.54
6.7	23.8	-1.17	-0.89	-0.50	1.17	0.89	0.50	0.85
8.3	29.3	-1.50	-1.22	-0.80	1.50	1.22	0.80	1.17
9.9	34.9	-1.90	-1.60	-1.19	1.90	1.60	1.19	1.56

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Test failed so stopped before finished. To be retested another date.

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 / 168578.1.1.7		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	K12 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

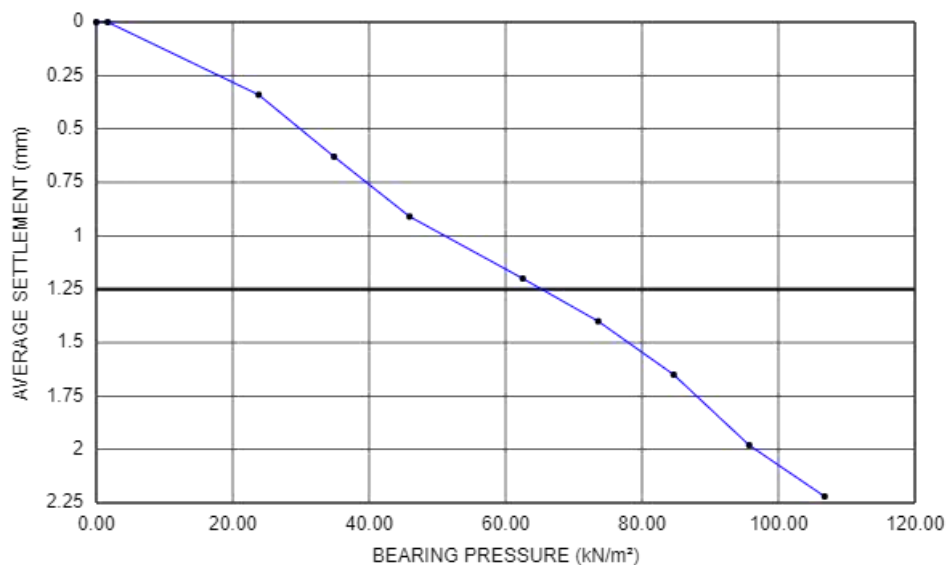
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 107 kN/m²
 Max settlement: 2.22 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 65 kN/m²
 Modulus of subgrade K762: 42 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 6.3%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.3 %

Remarks:

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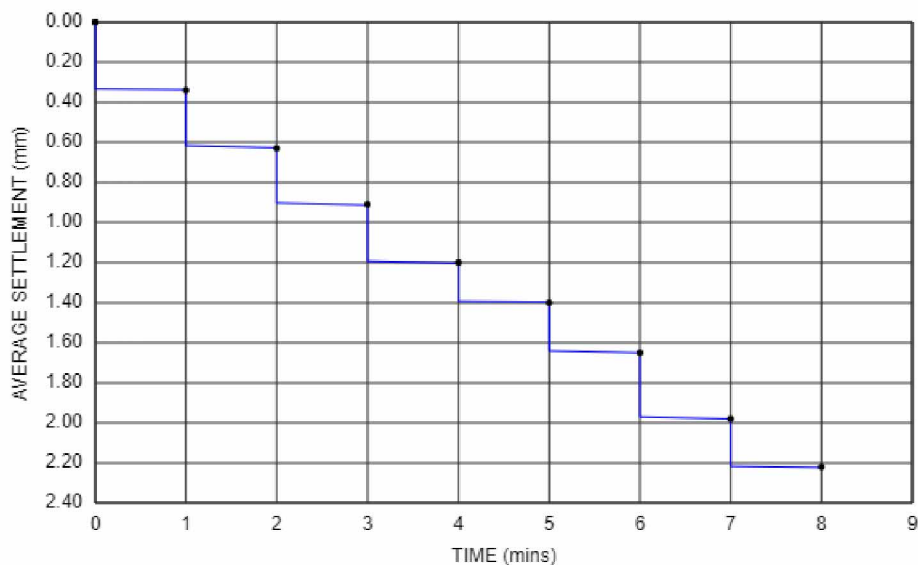
TEST REPORT:
Determination of Equivalent CBR Value
REPORT NUMBER:

 In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)
 C1055642 / 168578.1.1.7

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	23.8	-0.64	-0.31	-0.06	0.64	0.31	0.06	0.34
9.9	34.9	-0.98	-0.57	-0.33	0.98	0.57	0.33	0.63
13.0	45.9	-1.33	-0.84	-0.57	1.33	0.84	0.57	0.91
17.7	62.5	-1.67	-1.15	-0.79	1.67	1.15	0.79	1.20
20.8	73.6	-1.83	-1.34	-1.02	1.83	1.34	1.02	1.40
23.9	84.6	-2.07	-1.59	-1.29	2.07	1.59	1.29	1.65
27.1	95.7	-2.38	-1.98	-1.58	2.38	1.98	1.58	1.98
30.2	106.8	-2.62	-2.26	-1.79	2.62	2.26	1.79	2.22

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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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 / 168578.1.1.8		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	K11 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

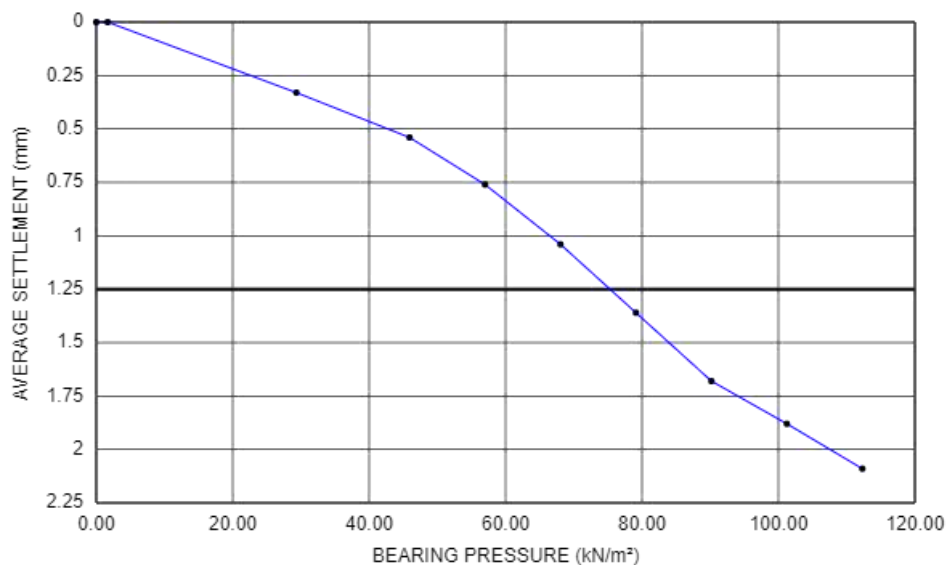
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 112 kN/m²
 Max settlement: 2.09 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 75 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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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)

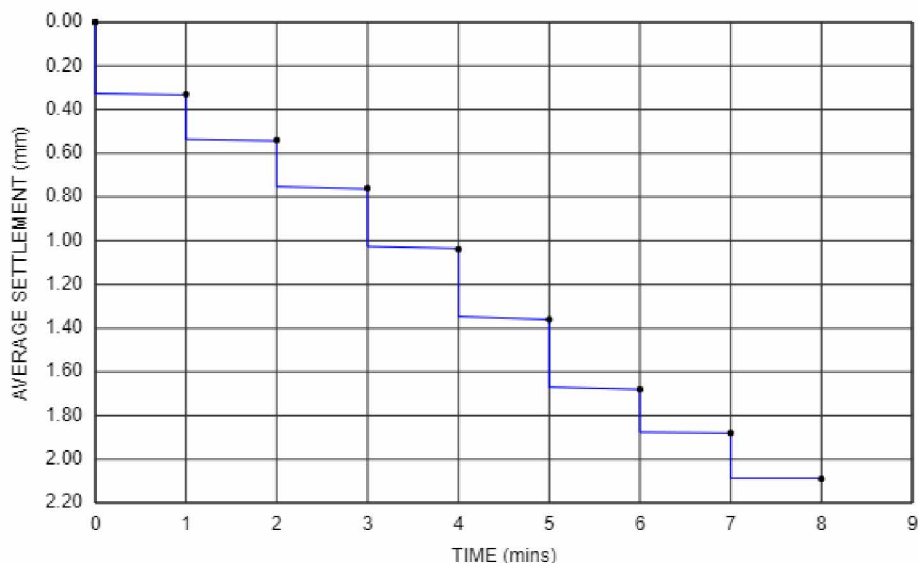
REPORT NUMBER:

C1055642 / 168578.1.1.8

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	29.3	-0.30	-0.41	-0.29	0.30	0.41	0.29	0.33
13.0	45.9	-0.52	-0.59	-0.52	0.52	0.59	0.52	0.54
16.1	57.0	-0.81	-0.77	-0.71	0.81	0.77	0.71	0.76
19.2	68.1	-1.06	-1.08	-0.97	1.06	1.08	0.97	1.04
22.4	79.1	-1.44	-1.40	-1.24	1.44	1.40	1.24	1.36
25.5	90.2	-1.69	-1.75	-1.60	1.69	1.75	1.60	1.68
28.6	101.2	-1.89	-1.97	-1.78	1.89	1.97	1.78	1.88
31.8	112.3	-2.06	-2.27	-1.93	2.06	2.27	1.93	2.09

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.

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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 / 168578.1.1.9		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	J12 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

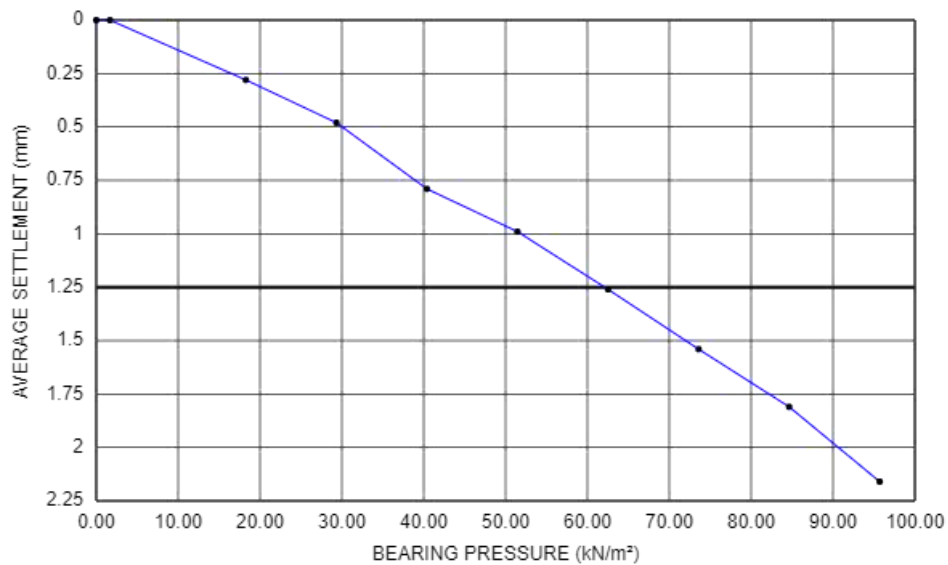
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 96 kN/m²
 Max settlement: 2.16 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 62 kN/m²
 Modulus of subgrade K762: 40 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.7%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.7 %

Remarks:

Test results reported relate only to the items tested.
 This report shall not be reproduced except in full without approval of the Laboratory.
 Amended report. This test report supersedes test report version 1 - Typo correction

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)

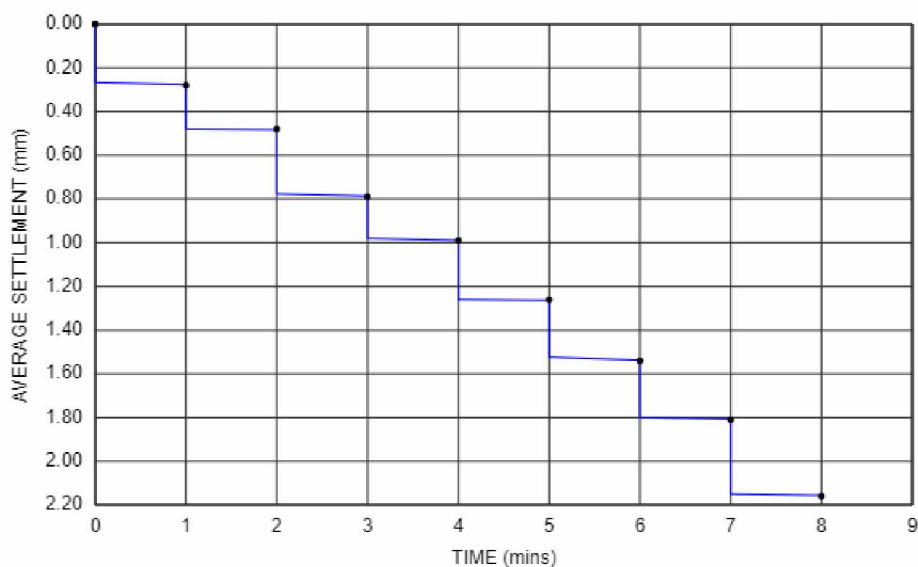
REPORT NUMBER:

C1055642 / 168578.1.1.9

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.2	18.3	-0.37	-0.31	-0.15	0.37	0.31	0.15	0.28
8.3	29.3	-0.61	-0.52	-0.32	0.61	0.52	0.32	0.48
11.4	40.4	-0.99	-0.79	-0.58	0.99	0.79	0.58	0.79
14.5	51.5	-1.24	-1.00	-0.73	1.24	1.00	0.73	0.99
17.7	62.5	-1.54	-1.27	-0.98	1.54	1.27	0.98	1.26
20.8	73.6	-1.79	-1.59	-1.23	1.79	1.59	1.23	1.54
23.9	84.6	-2.04	-1.84	-1.54	2.04	1.84	1.54	1.81
27.1	95.7	-2.49	-2.04	-1.94	2.49	2.04	1.94	2.16

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Amended report. This test report supersedes test report version 1 - Typo correction

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
Report date 27-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 / 168578.1.1.10		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	25/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	J11 - Cut, Finished Formation	MATERIAL:	Clay/ballast
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

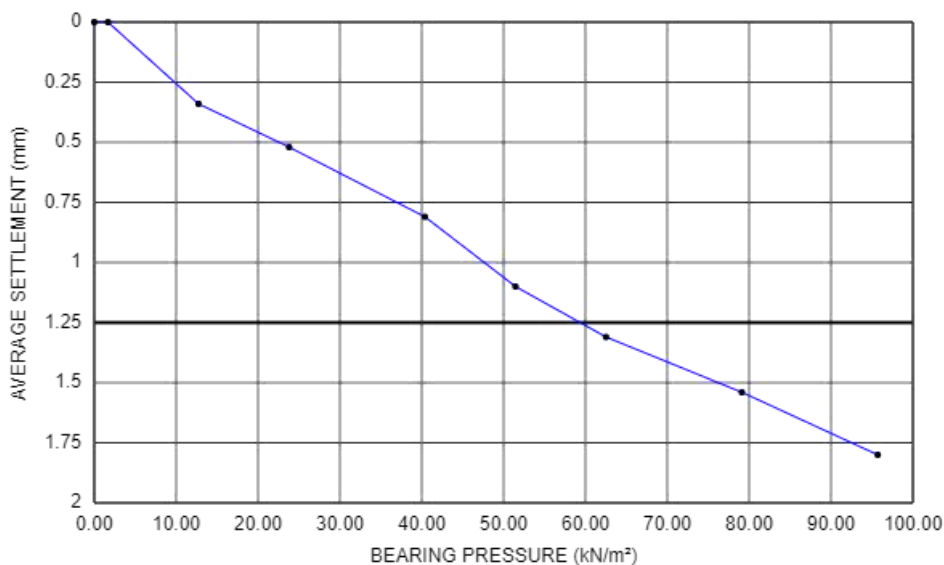
Equipment Details

Type of Kentledge: 16 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 96 kN/m²
 Max settlement: 1.80 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 59 kN/m²
 Modulus of subgrade K762: 38 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.3%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.3 %

Remarks:

Test results reported relate only to the items tested.
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 Amended report. This test report supersedes test report version 1 - Typo correction

TEST REPORT:
Determination of Equivalent CBR Value

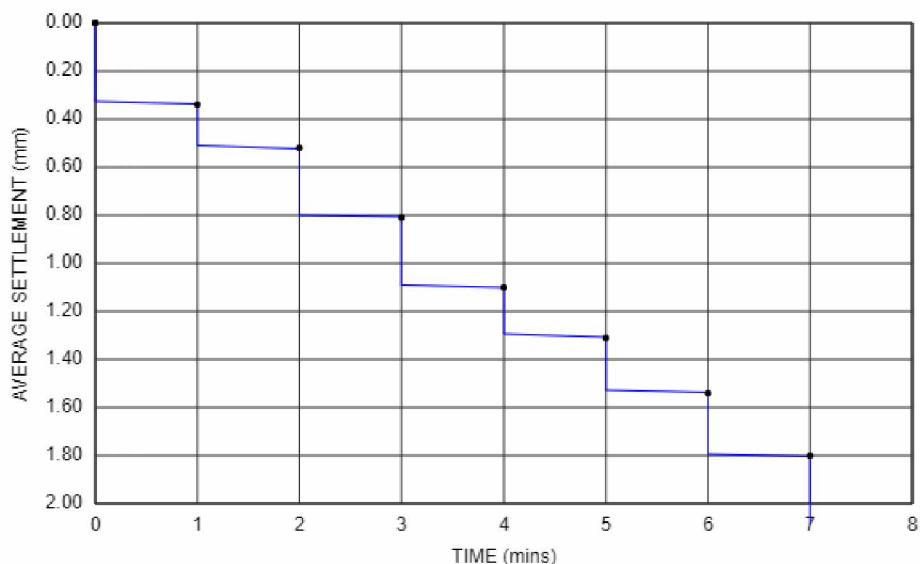
In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

REPORT NUMBER:

C1055642 / 168578.1.1.10

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6	12.7	-0.52	-0.37	-0.12	0.52	0.37	0.12	0.34
6.7	23.8	-0.73	-0.55	-0.29	0.73	0.55	0.29	0.52
11.4	40.4	-1.05	-0.81	-0.56	1.05	0.81	0.56	0.81
14.5	51.5	-1.38	-1.10	-0.82	1.38	1.10	0.82	1.10
17.7	62.5	-1.60	-1.33	-0.99	1.60	1.33	0.99	1.31
22.4	79.1	-1.79	-1.58	-1.24	1.79	1.58	1.24	1.54
27.1	95.7	-2.04	-1.79	-1.58	2.04	1.79	1.58	1.80

SETTLEMENT RELATIONSHIP vs TIME

Remarks:

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 Amended report. This test report supersedes test report version 1 - Typo correction

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor



Approved Signatory
 Report date 27-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 / 165623.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	18/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	H13	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

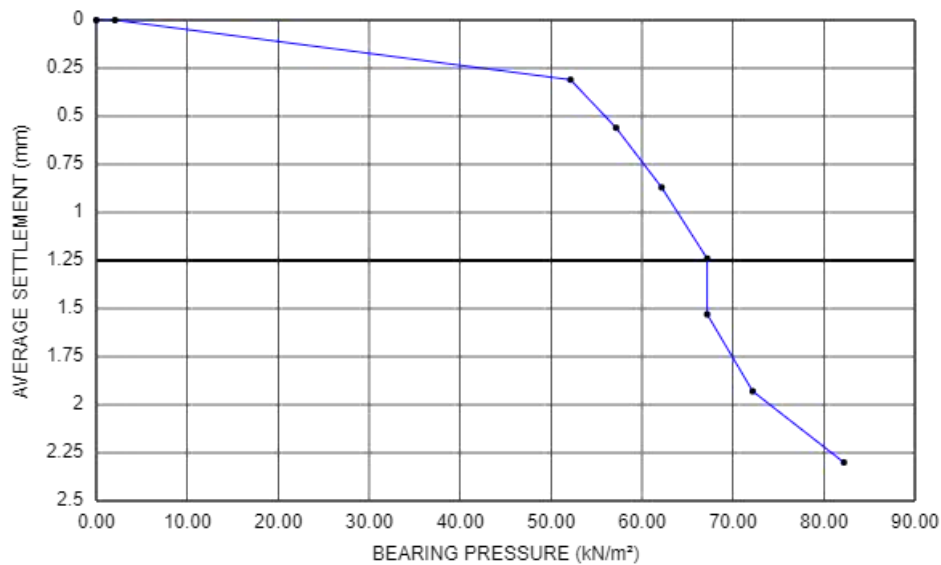
Equipment Details

Type of Kentledge: 25 Ton Excavator
 Plate Diameter: 605 mm
 Plate Area: 0.287475 m²
 Plate Correction: 0.81

Results

Max applied pressure: 82 kN/m²
 Max settlement: 2.30 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 67 kN/m²
 Modulus of subgrade K762: 44 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 6.7%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.7 %

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

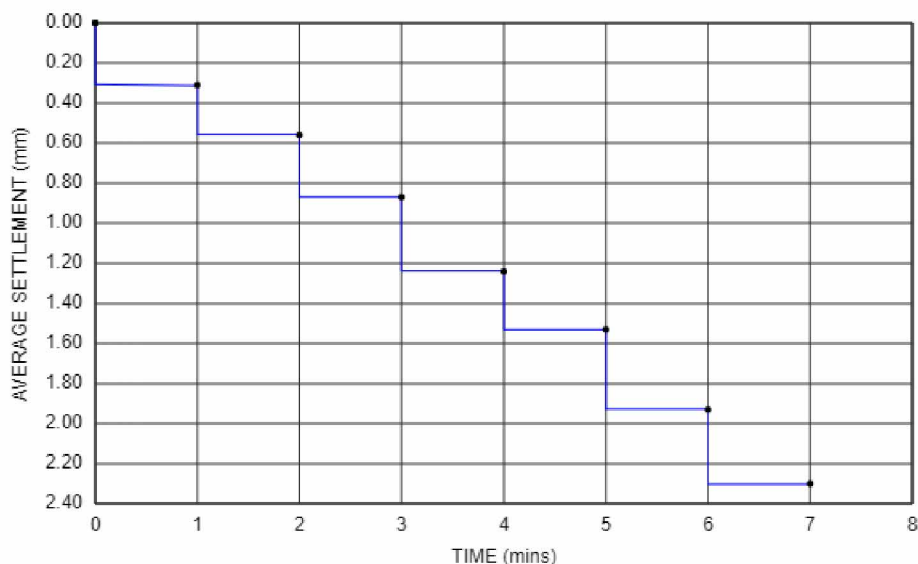
In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

REPORT NUMBER:

C1055642 / 165623.1.1.3

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	52.1	-0.23	-0.54	-0.17	0.23	0.54	0.17	0.31
16.4	57.1	-0.38	-0.90	-0.39	0.38	0.90	0.39	0.56
17.9	62.2	-0.63	-1.27	-0.71	0.63	1.27	0.71	0.87
19.3	67.2	-0.94	-1.65	-1.12	0.94	1.65	1.12	1.24
19.3	67.2	-1.19	-1.97	-1.43	1.19	1.97	1.43	1.53
20.7	72.2	-1.57	-2.37	-1.84	1.57	2.37	1.84	1.93
23.6	82.2	-1.93	-2.75	-2.23	1.93	2.75	2.23	2.30

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
18-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 / 168918.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	27/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F8 - Formation Layer Retest	MATERIAL:	Ballast/clay mix
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

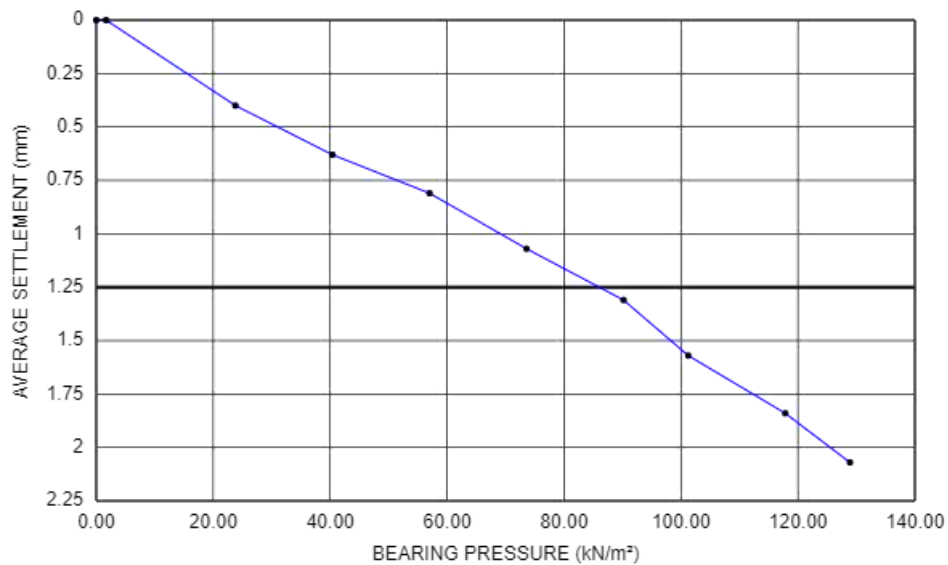
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 129 kN/m²
 Max settlement: 2.07 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 86 kN/m²
 Modulus of subgrade K762: 55 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 10.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 10.1 %

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)

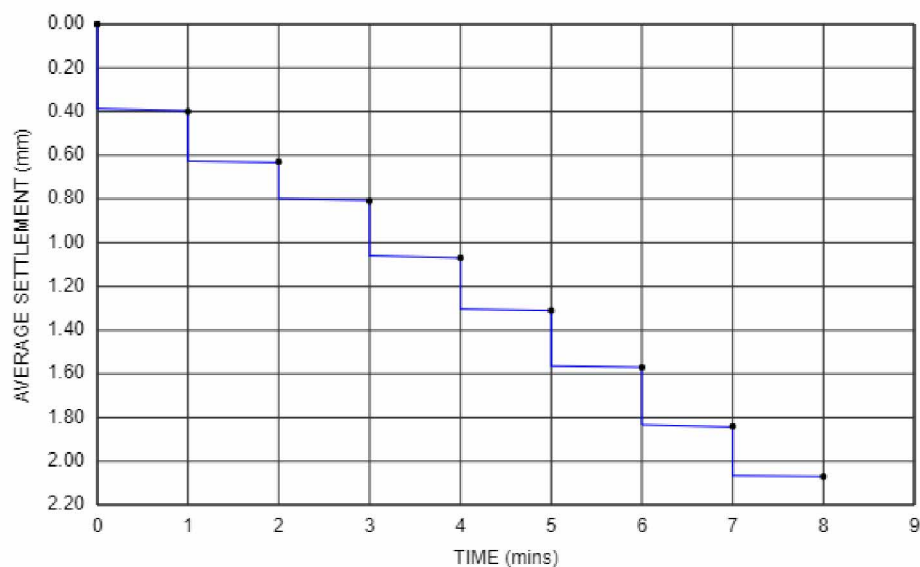
REPORT NUMBER:

C1055642 / 168918.1.1.1

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	23.8	-0.50	-0.43	-0.26	0.50	0.43	0.26	0.40
11.4	40.4	-0.79	-0.62	-0.49	0.79	0.62	0.49	0.63
16.1	57.0	-0.94	-0.78	-0.70	0.94	0.78	0.70	0.81
20.8	73.6	-1.18	-1.04	-0.99	1.18	1.04	0.99	1.07
25.5	90.2	-1.42	-1.29	-1.22	1.42	1.29	1.22	1.31
28.6	101.2	-1.69	-1.55	-1.47	1.69	1.55	1.47	1.57
33.3	117.8	-1.97	-1.84	-1.72	1.97	1.84	1.72	1.84
36.4	128.9	-2.18	-2.06	-1.97	2.18	2.06	1.97	2.07

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

Report date 27-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 / 168918.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	27/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	H12 - Formation Layer	MATERIAL:	Clay/ballast mix
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

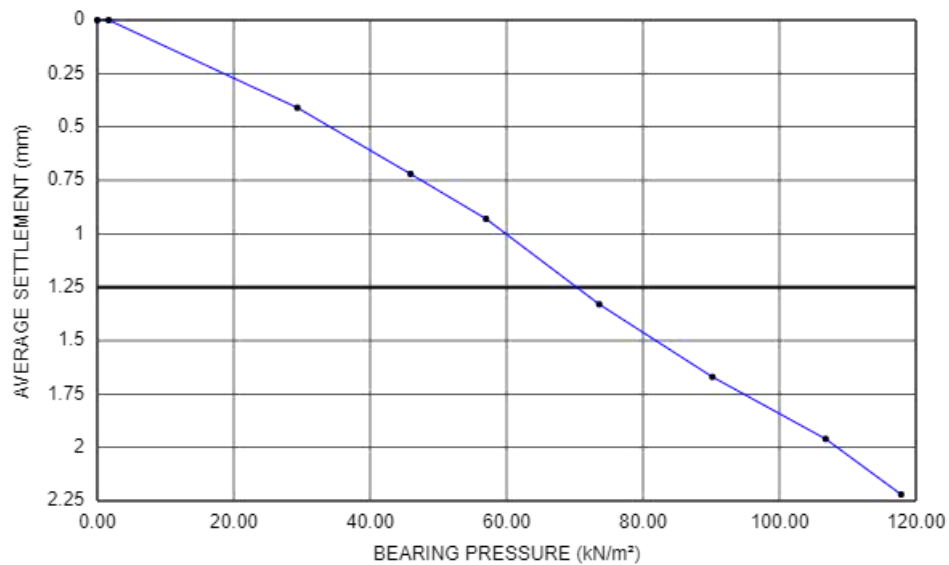
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 118 kN/m²
 Max settlement: 2.22 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 70 kN/m²
 Modulus of subgrade K762: 45 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.1 %

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)

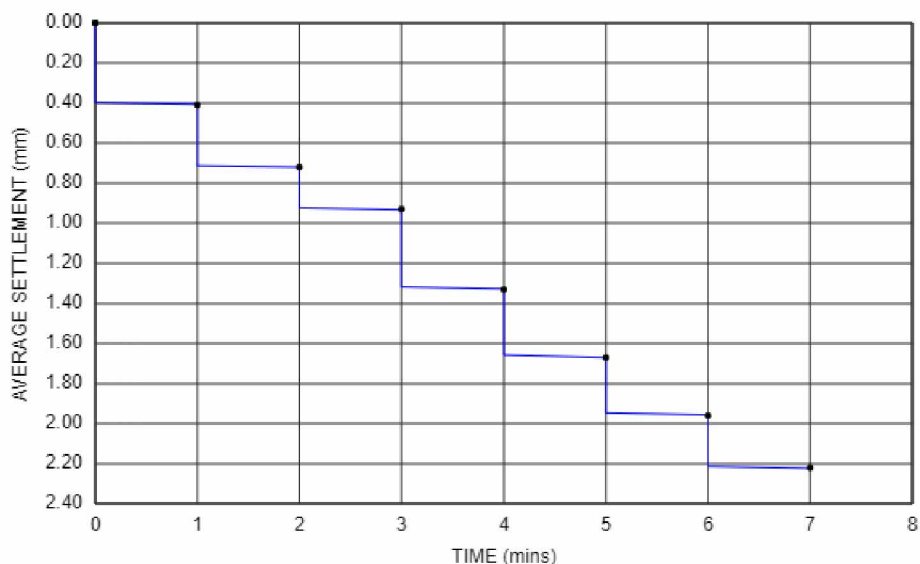
REPORT NUMBER:

C1055642 / 168918.1.1.2

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	29.3	-0.31	-0.35	-0.56	0.31	0.35	0.56	0.41
13.0	45.9	-0.56	-0.59	-1.01	0.56	0.59	1.01	0.72
16.1	57.0	-0.71	-0.75	-1.34	0.71	0.75	1.34	0.93
20.8	73.6	-1.04	-1.08	-1.86	1.04	1.08	1.86	1.33
25.5	90.2	-1.35	-1.37	-2.29	1.35	1.37	2.29	1.67
30.2	106.8	-1.65	-1.64	-2.58	1.65	1.64	2.58	1.96
33.3	117.8	-1.90	-1.97	-2.80	1.90	1.97	2.80	2.22

SETTLEMENT RELATIONSHIP vs TIME



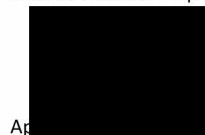
Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Report date 27-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 / 168918.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	27/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	H11 - Formation Layer	MATERIAL:	Clay/Ballast Mix
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:	Yes

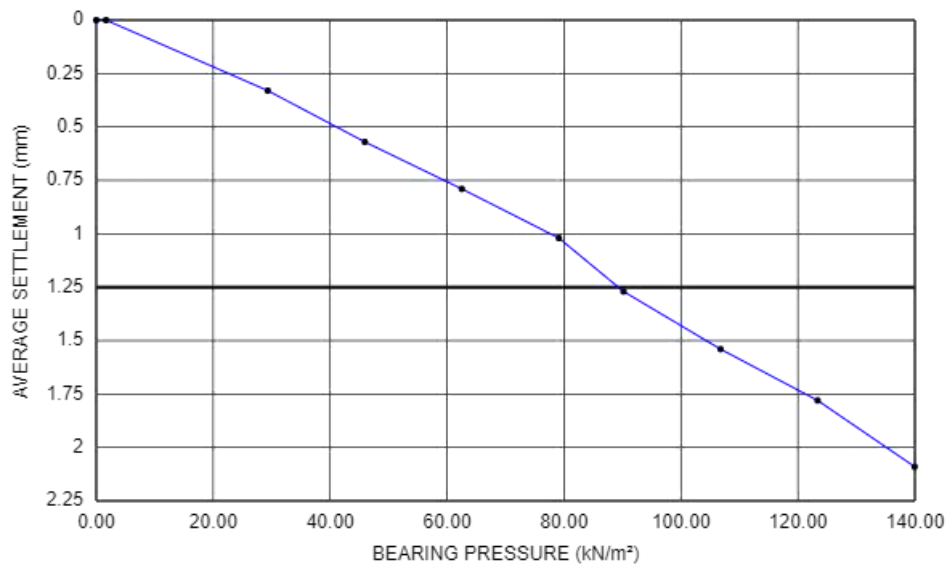
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 140 kN/m²
 Max settlement: 2.09 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 89 kN/m²
 Modulus of subgrade K762: 57 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 10.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 10.8 %

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)

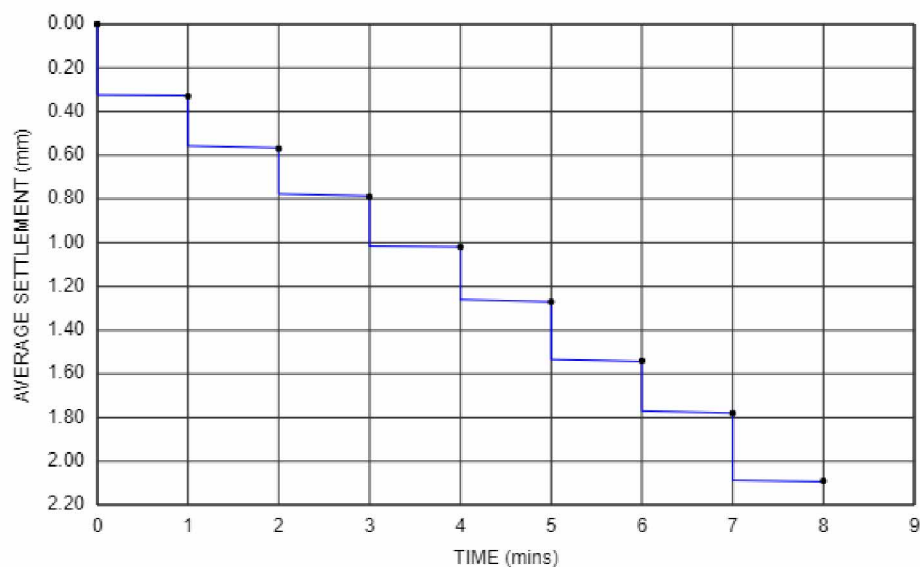
REPORT NUMBER:

C1055642 / 168918.1.1.3

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	29.3	-0.44	-0.38	-0.16	0.44	0.38	0.16	0.33
13.0	45.9	-0.74	-0.62	-0.34	0.74	0.62	0.34	0.57
17.7	62.5	-0.97	-0.85	-0.54	0.97	0.85	0.54	0.79
22.4	79.1	-1.23	-1.09	-0.74	1.23	1.09	0.74	1.02
25.5	90.2	-1.51	-1.34	-0.96	1.51	1.34	0.96	1.27
30.2	106.8	-1.78	-1.60	-1.25	1.78	1.60	1.25	1.54
34.9	123.4	-2.02	-1.80	-1.52	2.02	1.80	1.52	1.78
39.6	140.0	-2.39	-2.10	-1.79	2.39	2.10	1.79	2.09

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

Construction Testing Solutions Supervisor

[Redacted Signature]

Approved Signatory

Report date 27-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 / 168918.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	27/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	J13 - Sub Formation Layer	MATERIAL:	Clay/Ballast Mix
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

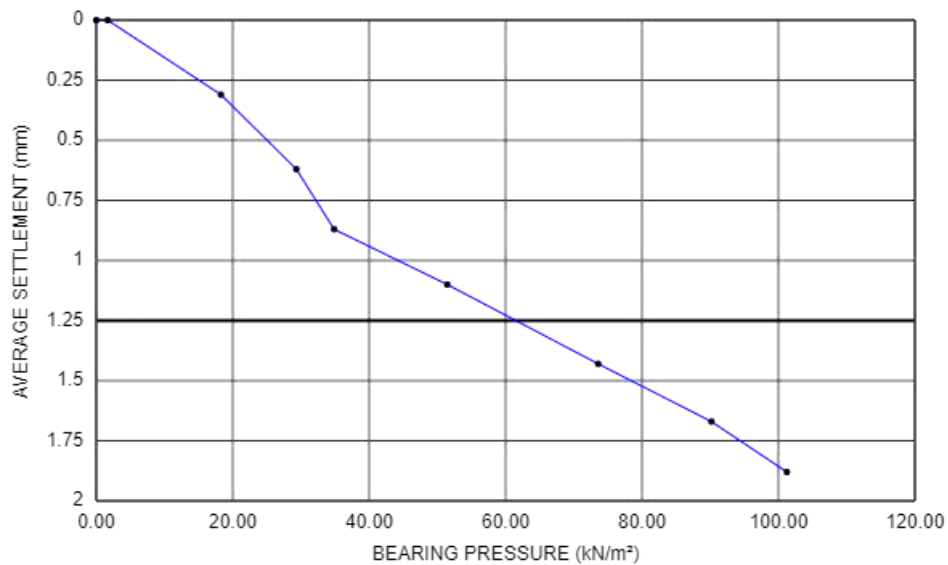
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 101 kN/m²
 Max settlement: 1.88 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 62 kN/m²
 Modulus of subgrade K762: 40 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.7%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.7 %

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)

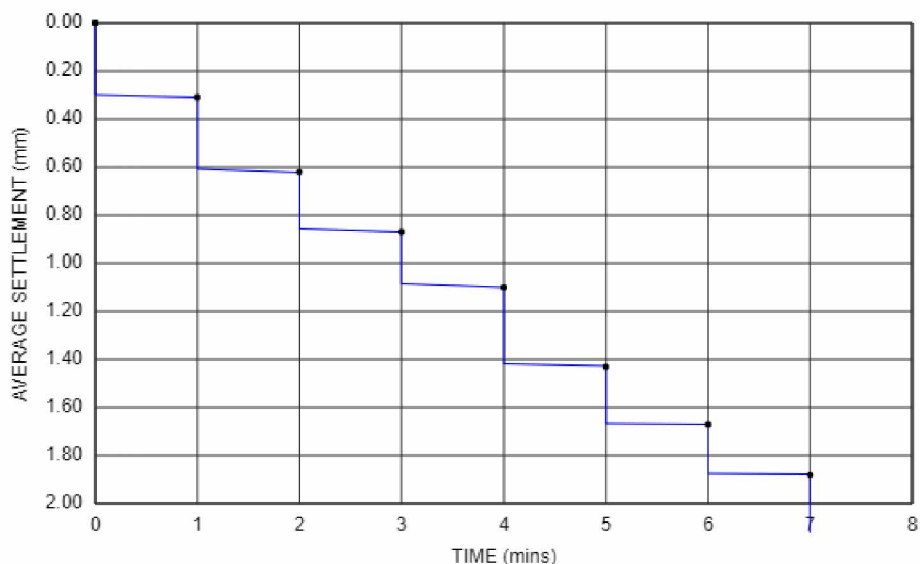
REPORT NUMBER:

C1055642 / 168918.1.1.4

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.2	18.3	-0.33	-0.35	-0.25	0.33	0.35	0.25	0.31
8.3	29.3	-0.66	-0.65	-0.56	0.66	0.65	0.56	0.62
9.9	34.9	-0.94	-0.87	-0.80	0.94	0.87	0.80	0.87
14.5	51.5	-1.16	-1.09	-1.05	1.16	1.09	1.05	1.10
20.8	73.6	-1.48	-1.42	-1.38	1.48	1.42	1.38	1.43
25.5	90.2	-1.76	-1.68	-1.57	1.76	1.68	1.57	1.67
28.6	101.2	-1.98	-1.86	-1.79	1.98	1.86	1.79	1.88

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



Report date 27-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 / 168918.1.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	27/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	K13 - Formation Layer	MATERIAL:	Clay/Ballast
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

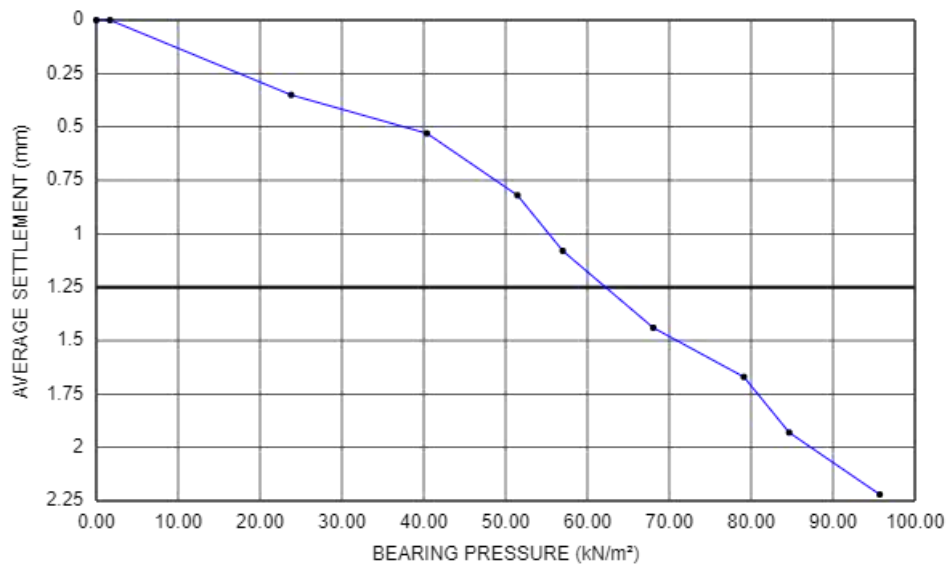
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 96 kN/m²
 Max settlement: 2.22 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 62 kN/m²
 Modulus of subgrade K762: 40 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.8 %

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)

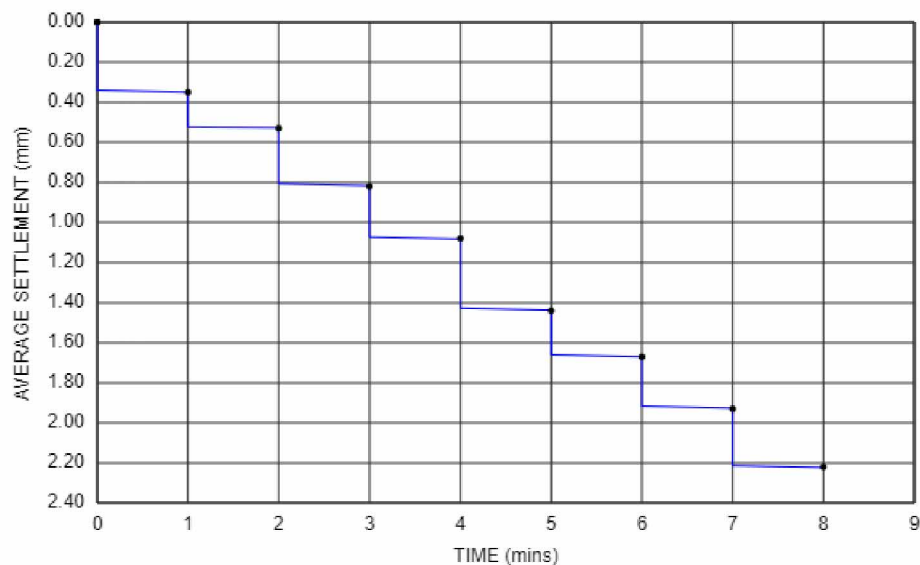
REPORT NUMBER:

C1055642 / 168918.1.1.5

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	23.8	-0.32	-0.34	-0.39	0.32	0.34	0.39	0.35
11.4	40.4	-0.59	-0.48	-0.51	0.59	0.48	0.51	0.53
14.5	51.5	-0.87	-0.72	-0.86	0.87	0.72	0.86	0.82
16.1	57.0	-1.15	-1.00	-1.10	1.15	1.00	1.10	1.08
19.2	68.1	-1.49	-1.35	-1.47	1.49	1.35	1.47	1.44
22.4	79.1	-1.80	-1.57	-1.64	1.80	1.57	1.64	1.67
23.9	84.6	-2.10	-1.79	-1.89	2.10	1.79	1.89	1.93
27.1	95.7	-2.39	-2.10	-2.18	2.39	2.10	2.18	2.22

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Vincent Faulkner - Operations Supervisor



Approved Signatory

Report date 27-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 / 169623.3.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	01/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	H10	MATERIAL:	Ballast/clay mix
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

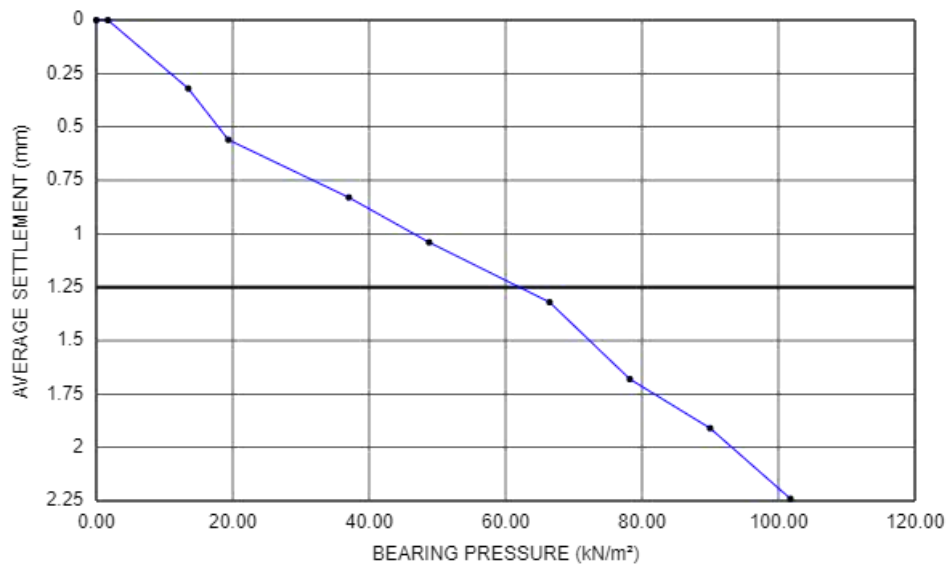
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 102 kN/m²
 Max settlement: 2.24 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 62 kN/m²
 Modulus of subgrade K762: 40 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.8 %

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)

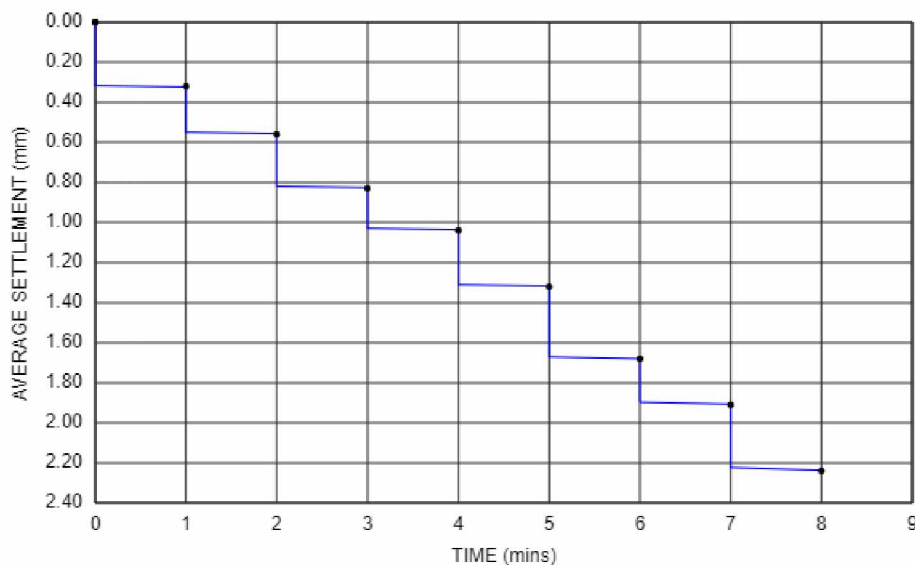
REPORT NUMBER:

C1055642 / 169623.3.1.1

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8	13.5	-0.27	-0.33	-0.37	0.27	0.33	0.37	0.32
5.5	19.4	-0.62	-0.68	-0.37	0.62	0.68	0.37	0.56
10.5	37.0	-0.91	-0.99	-0.58	0.91	0.99	0.58	0.83
13.8	48.8	-1.20	-1.19	-0.72	1.20	1.19	0.72	1.04
18.8	66.4	-1.54	-1.47	-0.94	1.54	1.47	0.94	1.32
22.1	78.2	-1.94	-1.83	-1.27	1.94	1.83	1.27	1.68
25.4	90.0	-2.23	-2.05	-1.44	2.23	2.05	1.44	1.91
28.8	101.8	-2.62	-2.40	-1.69	2.62	2.40	1.69	2.24

SETTLEMENT RELATIONSHIP vs TIME



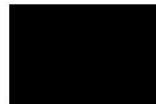
Remarks:

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

Report date 01-Feb-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 / 169952.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	03/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G4 - Formation Layer	MATERIAL:	Clay/Ballast
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

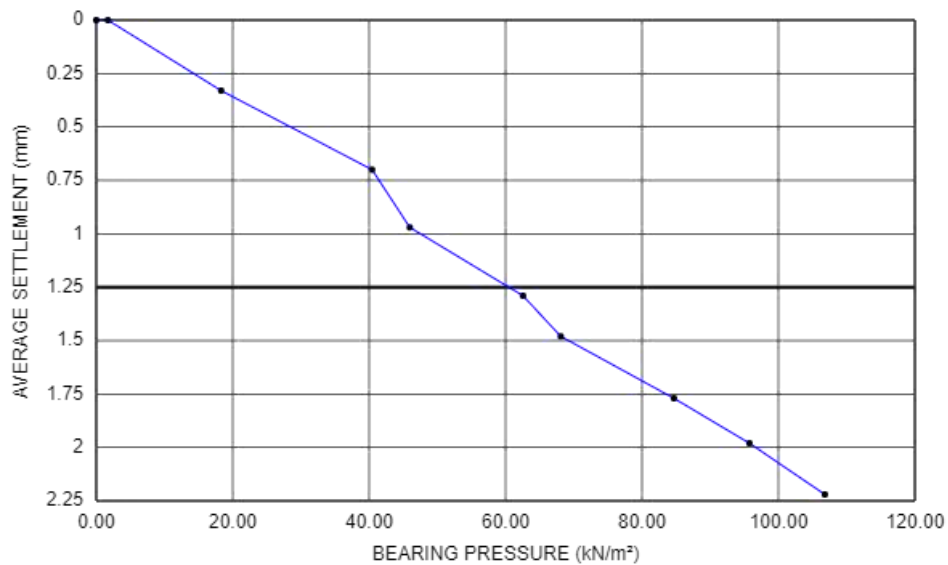
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 107 kN/m²
 Max settlement: 2.22 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 61 kN/m²
 Modulus of subgrade K762: 39 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.5%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.5 %

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)

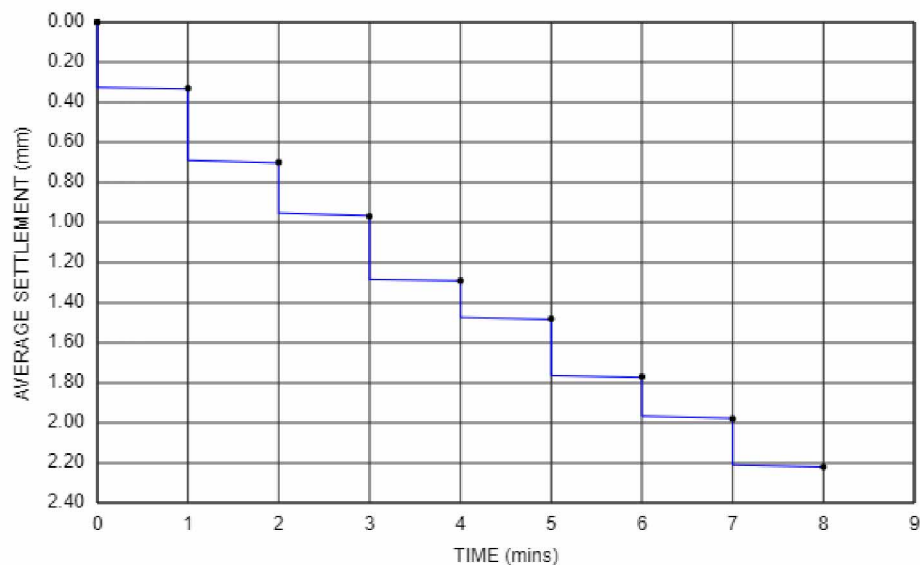
REPORT NUMBER:

C1055642 / 169952.1.1.1

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.2	18.3	-0.48	-0.33	-0.19	0.48	0.33	0.19	0.33
11.4	40.4	-0.86	-0.72	-0.53	0.86	0.72	0.53	0.70
13.0	46.0	-1.11	-0.95	-0.84	1.11	0.95	0.84	0.97
17.7	62.6	-1.43	-1.32	-1.12	1.43	1.32	1.12	1.29
19.3	68.1	-1.63	-1.49	-1.33	1.63	1.49	1.33	1.48
23.9	84.7	-1.90	-1.78	-1.64	1.90	1.78	1.64	1.77
27.1	95.7	-2.12	-1.98	-1.83	2.12	1.98	1.83	1.98
30.2	106.8	-2.40	-2.20	-2.06	2.40	2.20	2.06	2.22

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

Report date 03-Feb-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 / 169952.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	03/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F4 - Formation Layer	MATERIAL:	Clay/Ballast Mix
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

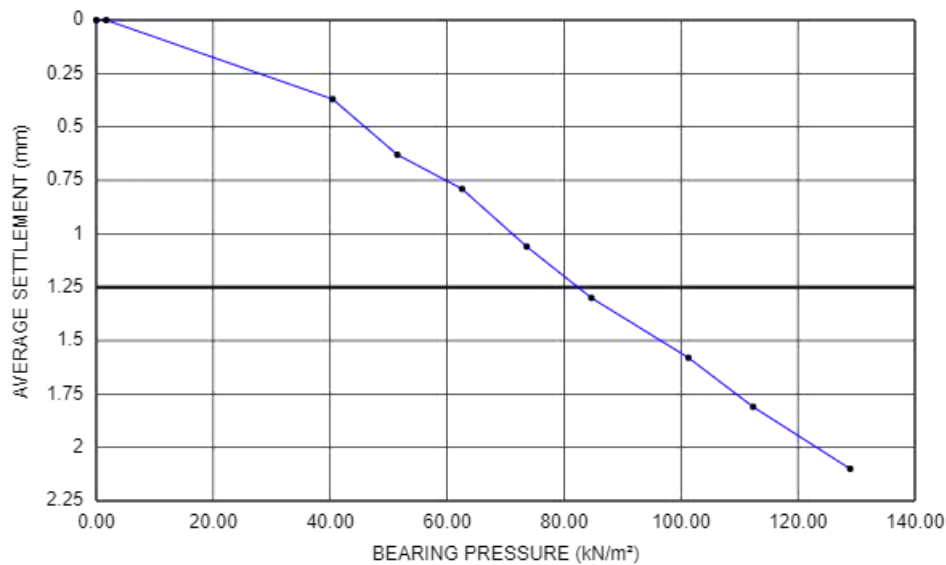
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 129 kN/m²
 Max settlement: 2.10 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 82 kN/m²
 Modulus of subgrade K762: 53 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 9.4%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 9.4 %

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)

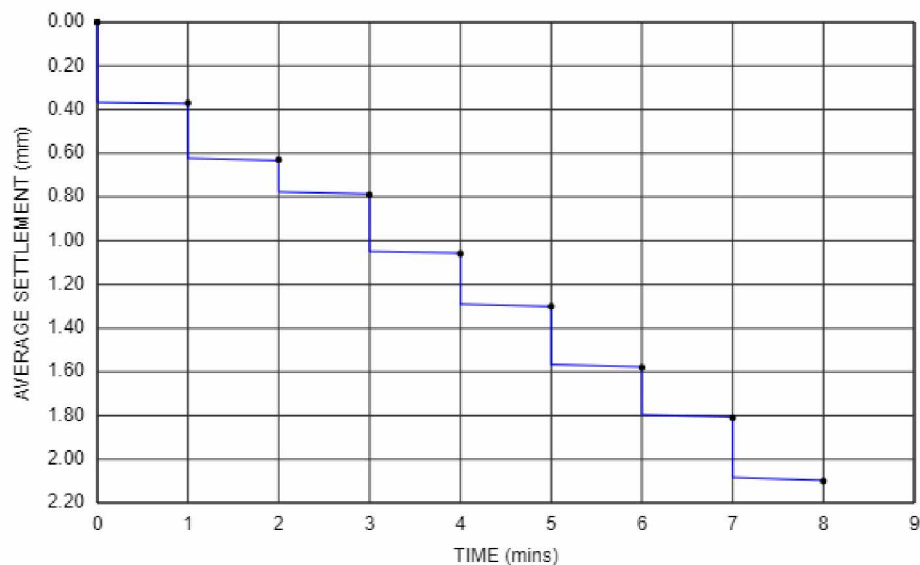
REPORT NUMBER:

C1055642 / 169952.1.1.2

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.4	40.4	-0.38	-0.50	-0.24	0.38	0.50	0.24	0.37
14.6	51.5	-0.70	-0.71	-0.49	0.70	0.71	0.49	0.63
17.7	62.6	-0.84	-0.90	-0.62	0.84	0.90	0.62	0.79
20.8	73.6	-1.12	-1.15	-0.90	1.12	1.15	0.90	1.06
23.9	84.7	-1.33	-1.36	-1.21	1.33	1.36	1.21	1.30
28.6	101.3	-1.58	-1.61	-1.54	1.58	1.61	1.54	1.58
31.8	112.3	-1.80	-1.86	-1.76	1.80	1.86	1.76	1.81
36.5	128.9	-2.08	-2.22	-1.99	2.08	2.22	1.99	2.10

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Atif Mohammed - Supervisor



Approved Signatory

Report date 03-Feb-22



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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 / 169952.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	03/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F5 - Formation Layer	MATERIAL:	Clay/Ballast
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

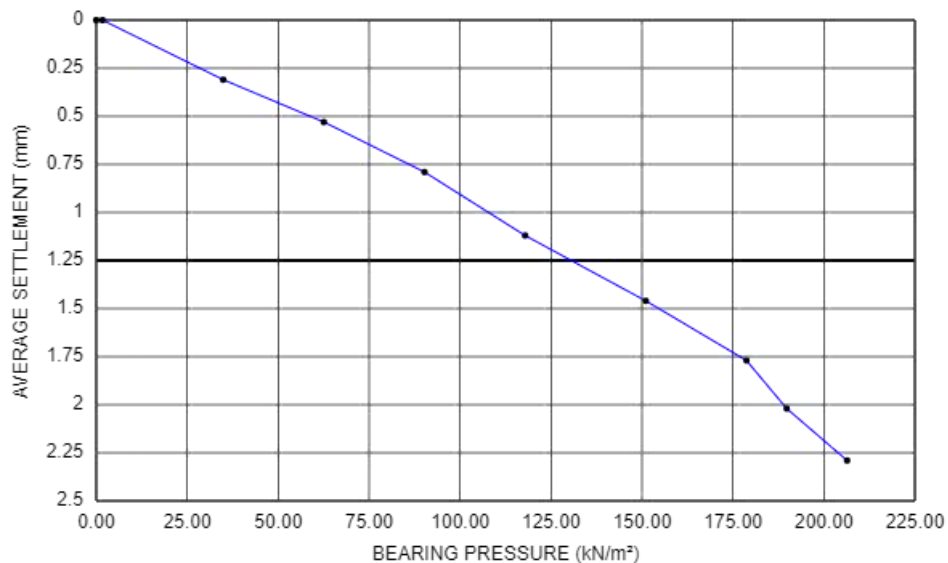
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 206 kN/m²
 Max settlement: 2.29 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 130 kN/m²
 Modulus of subgrade K762: 84 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 20.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 20.8 %

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)

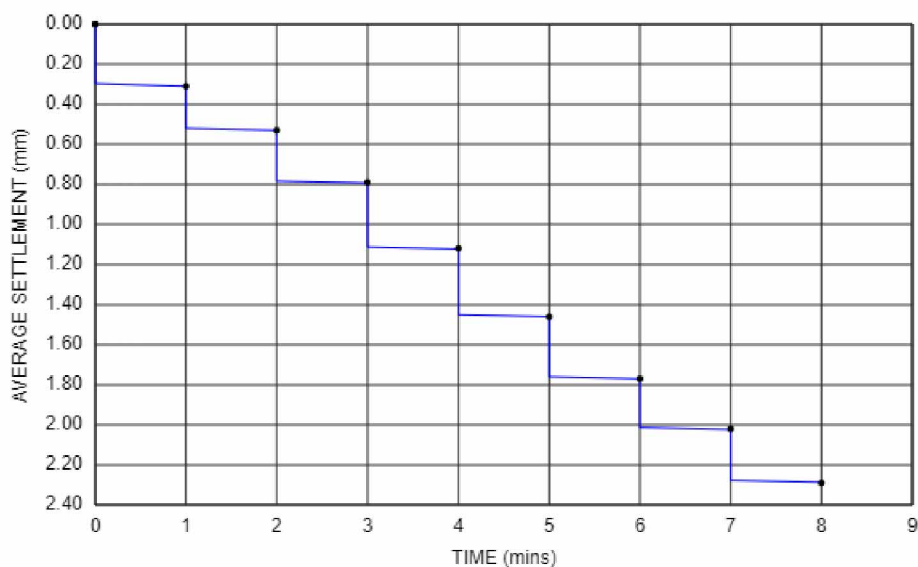
REPORT NUMBER:

C1055642 / 169952.1.1.3

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.9	34.9	-0.29	-0.32	-0.32	0.29	0.32	0.32	0.31
17.7	62.6	-0.49	-0.54	-0.56	0.49	0.54	0.56	0.53
25.5	90.2	-0.79	-0.76	-0.83	0.79	0.76	0.83	0.79
33.3	117.9	-1.11	-1.09	-1.17	1.11	1.09	1.17	1.12
42.7	151.1	-1.45	-1.40	-1.53	1.45	1.40	1.53	1.46
50.5	178.7	-1.72	-1.69	-1.90	1.72	1.69	1.90	1.77
53.7	189.8	-1.95	-1.93	-2.19	1.95	1.93	2.19	2.02
58.4	206.4	-2.30	-2.18	-2.38	2.30	2.18	2.38	2.29

SETTLEMENT RELATIONSHIP vs TIME

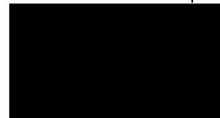

Remarks:

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For and on behalf of CTS

Atif Mohammed - Supervisor



Approved Signatory

Report date 03-Feb-22



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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 / 169952.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	03/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G5 - Formation Layer	MATERIAL:	Clay/Ballast
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

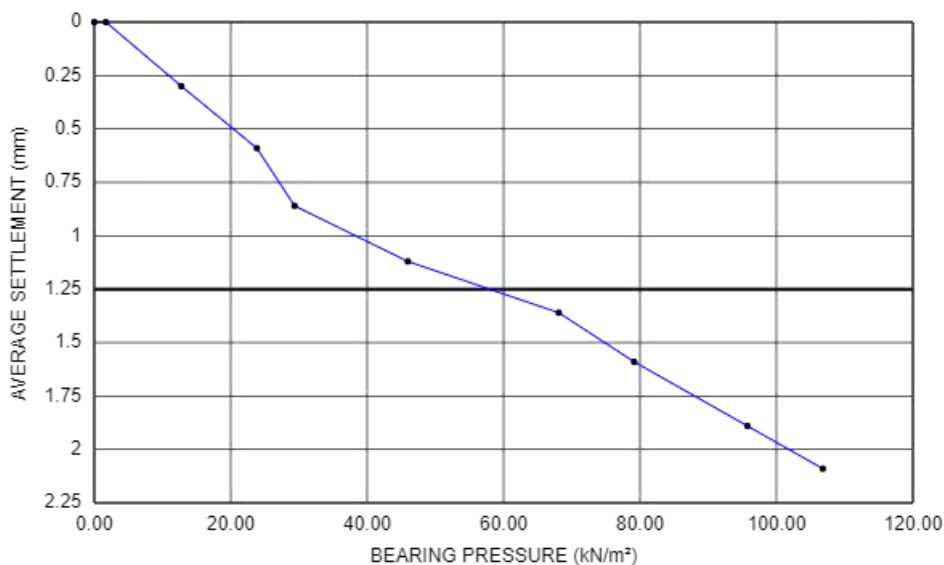
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 107 kN/m²
 Max settlement: 2.09 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 58 kN/m²
 Modulus of subgrade K762: 37 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 5.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.1 %

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)

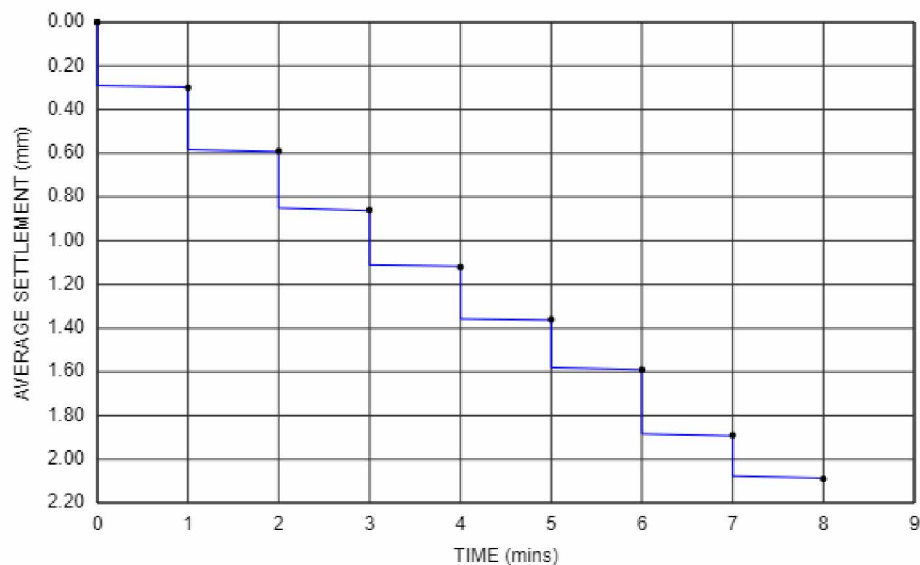
REPORT NUMBER:

C1055642 / 169952.1.1.4

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6	12.8	-0.25	-0.36	-0.28	0.25	0.36	0.28	0.30
6.7	23.8	-0.50	-0.69	-0.59	0.50	0.69	0.59	0.59
8.3	29.4	-0.77	-1.01	-0.81	0.77	1.01	0.81	0.86
13.0	46.0	-1.03	-1.20	-1.12	1.03	1.20	1.12	1.12
19.3	68.1	-1.32	-1.44	-1.33	1.32	1.44	1.33	1.36
22.4	79.1	-1.53	-1.68	-1.56	1.53	1.68	1.56	1.59
27.1	95.7	-1.89	-1.95	-1.84	1.89	1.95	1.84	1.89
30.2	106.8	-2.05	-2.12	-2.09	2.05	2.12	2.09	2.09

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

Report date 03-Feb-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 / 171035.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	10/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F3 - Layer 1	MATERIAL:	Clay/ballast Mix
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

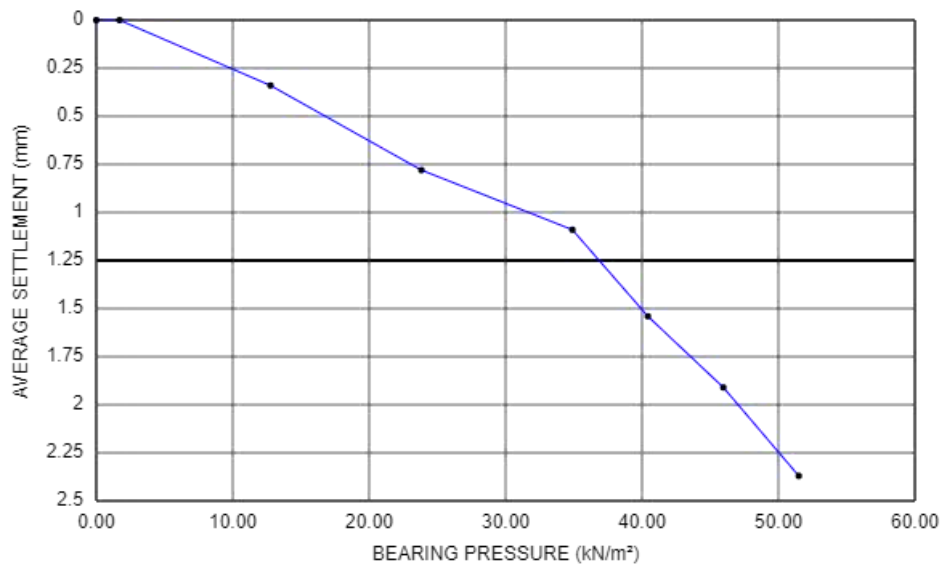
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 51 kN/m²
 Max settlement: 2.37 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 37 kN/m²
 Modulus of subgrade K762: 24 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 2.3%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 2.3 %

Remarks:

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

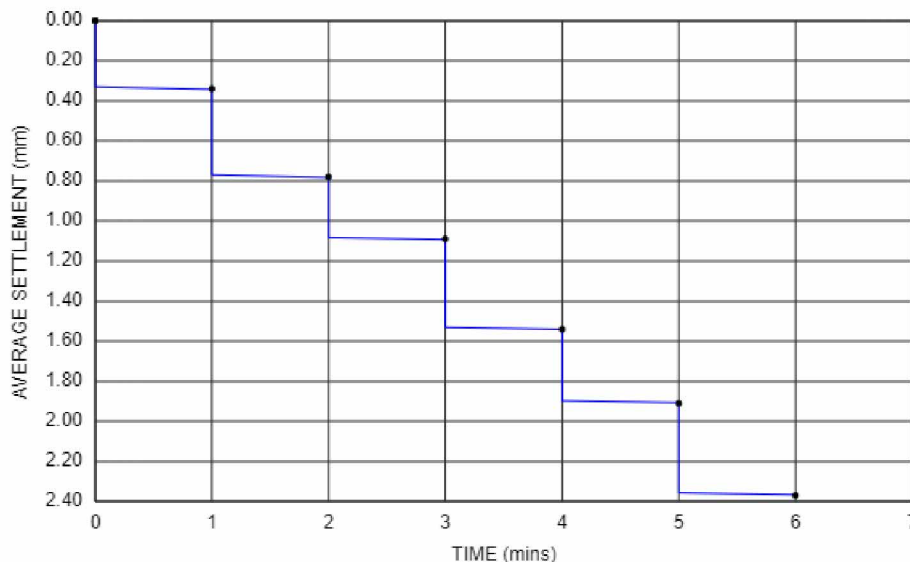
In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

REPORT NUMBER:

C1055642 / 171035.1.1.1

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6	12.8	-0.50	-0.38	-0.15	0.50	0.38	0.15	0.34
6.7	23.8	-1.00	-0.81	-0.54	1.00	0.81	0.54	0.78
9.9	34.9	-1.48	-1.16	-0.64	1.48	1.16	0.64	1.09
11.4	40.4	-2.05	-1.62	-0.95	2.05	1.62	0.95	1.54
13.0	46.0	-2.48	-2.00	-1.24	2.48	2.00	1.24	1.91
14.6	51.5	-3.00	-2.48	-1.62	3.00	2.48	1.62	2.37

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

Report date 10-Feb-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 / 171035.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	10/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F4 - Layer 1	MATERIAL:	Ballast/soil mix
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

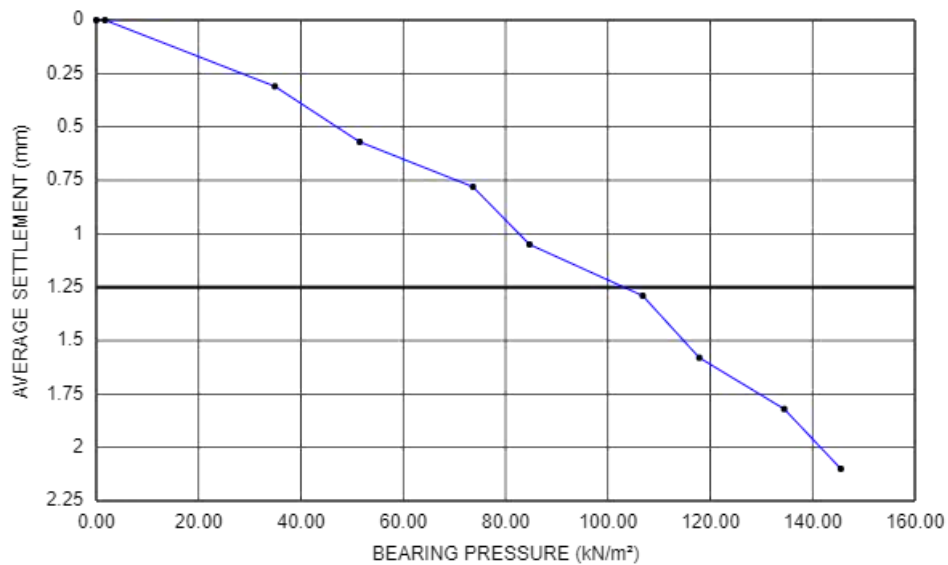
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 146 kN/m²
 Max settlement: 2.10 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 103 kN/m²
 Modulus of subgrade K762: 66 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 13.8%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 13.8 %

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)

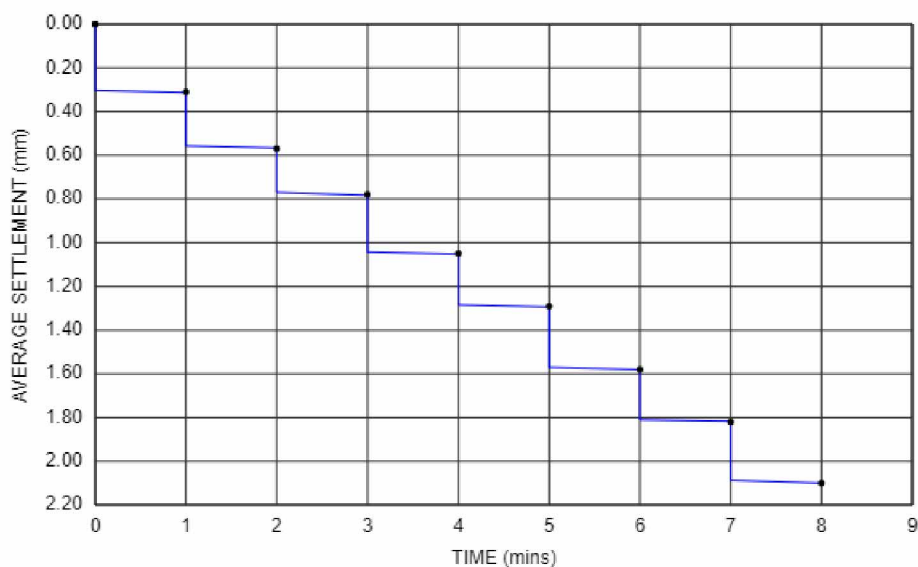
REPORT NUMBER:

C1055642 / 171035.1.1.2

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.9	34.9	-0.32	-0.39	-0.23	0.32	0.39	0.23	0.31
14.6	51.5	-0.63	-0.69	-0.38	0.63	0.69	0.38	0.57
20.8	73.6	-0.82	-1.00	-0.53	0.82	1.00	0.53	0.78
23.9	84.7	-1.12	-1.25	-0.79	1.12	1.25	0.79	1.05
30.2	106.8	-1.39	-1.47	-1.02	1.39	1.47	1.02	1.29
33.3	117.9	-1.62	-1.73	-1.39	1.62	1.73	1.39	1.58
38.0	134.5	-1.90	-1.98	-1.57	1.90	1.98	1.57	1.82
41.1	145.5	-2.18	-2.25	-1.87	2.18	2.25	1.87	2.10

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

Report date 14-Feb-22



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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 / 171035.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	10/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F5 - Layer 1	MATERIAL:	Soil/Ballast Mix
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

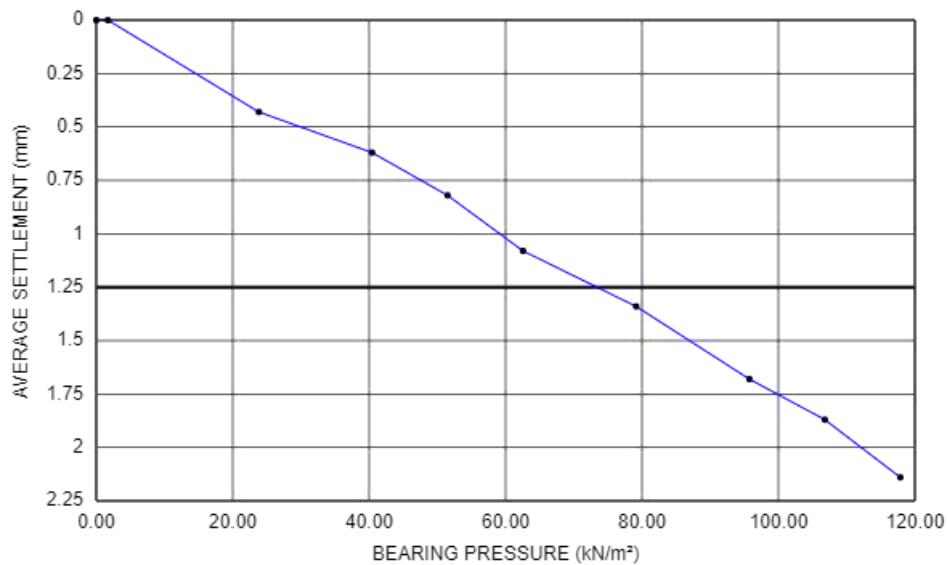
Equipment Details

Type of Kentledge: 18 Ton Excavator
 Plate Diameter: 600 mm
 Plate Area: 0.282743 m²
 Plate Correction: 0.80

Results

Max applied pressure: 118 kN/m²
 Max settlement: 2.14 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 73 kN/m²
 Modulus of subgrade K762: 47 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.7%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.7 %

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)

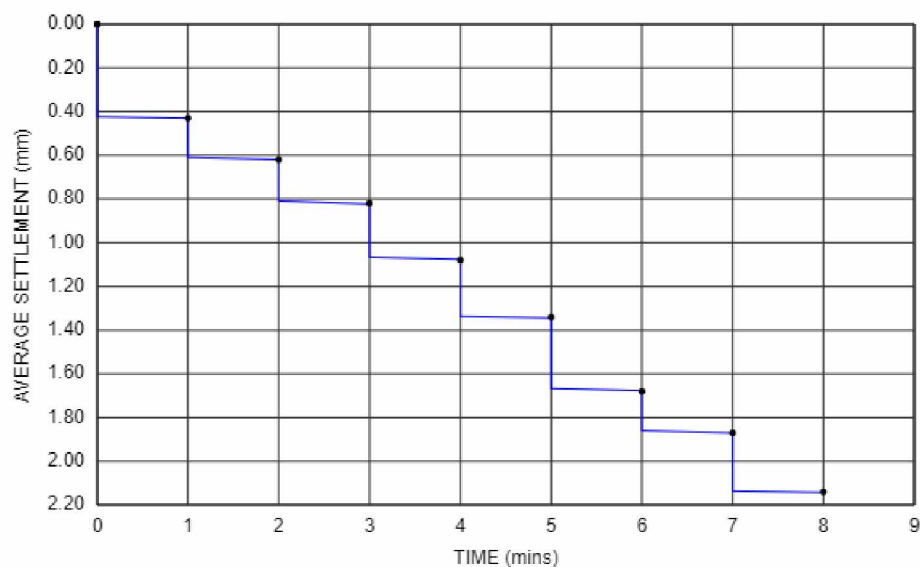
REPORT NUMBER:

C1055642 / 171035.1.1.3

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
0.5	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	23.8	-0.45	-0.44	-0.40	0.45	0.44	0.40	0.43
11.4	40.4	-0.65	-0.61	-0.60	0.65	0.61	0.60	0.62
14.6	51.5	-0.85	-0.82	-0.80	0.85	0.82	0.80	0.82
17.7	62.6	-1.08	-1.05	-1.10	1.08	1.05	1.10	1.08
22.4	79.1	-1.30	-1.36	-1.37	1.30	1.36	1.37	1.34
27.1	95.7	-1.54	-1.68	-1.81	1.54	1.68	1.81	1.68
30.2	106.8	-1.79	-1.88	-1.94	1.79	1.88	1.94	1.87
33.3	117.9	-2.08	-2.14	-2.21	2.08	2.14	2.21	2.14

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

Report date 10-Feb-22



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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 / 172034.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	17/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Marc Hawkins	SITE:	Havant, Portsmouth
LOCATION:	H2 Sub Formation	MATERIAL:	Crushed aggregate
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Not Specified
TEST METHOD:	Incremental Plate Loading	SOURCE:	Not Specified
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

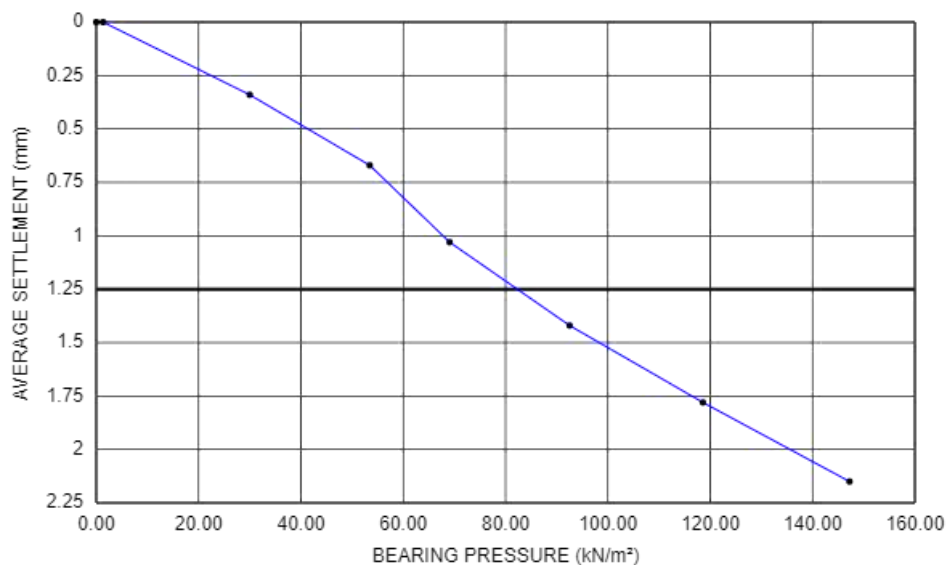
Equipment Details

Type of Kentledge: 22 Ton Excavator
 Plate Diameter: 604 mm
 Plate Area: 0.286526 m²
 Plate Correction: 0.81

Results

Max applied pressure: 147 kN/m²
 Max settlement: 2.15 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 82 kN/m²
 Modulus of subgrade K762: 53 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 9.5%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 9.5 %

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)

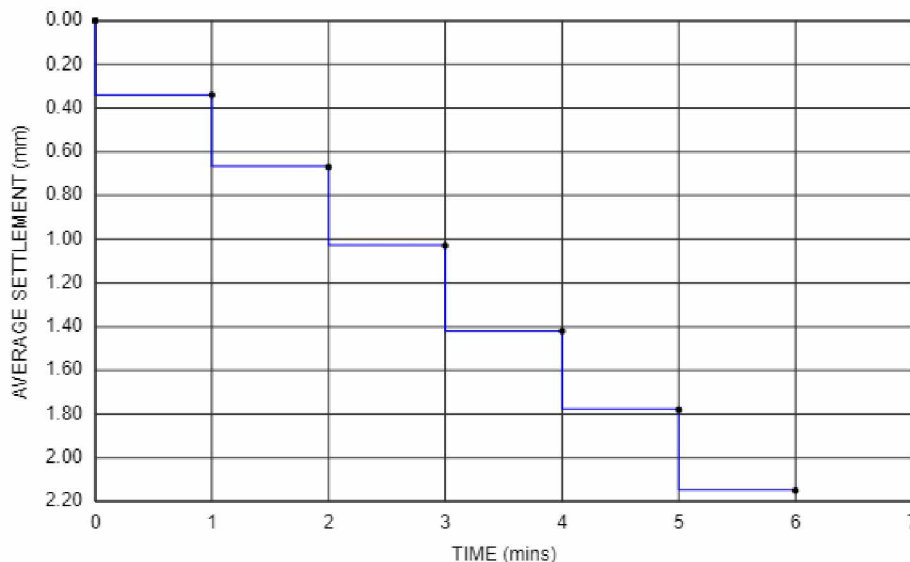
REPORT NUMBER:

C1055642 / 172034.1.1.1

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
0.4	1.3	20.32	18.60	20.77	0.00	0.00	0.00	0.00
8.6	30.0	19.64	18.32	20.71	0.68	0.28	0.06	0.34
15.3	53.4	19.14	17.96	20.59	1.18	0.64	0.18	0.67
19.8	69.1	18.58	17.65	20.38	1.74	0.95	0.39	1.03
26.5	92.5	18.02	17.31	20.10	2.30	1.29	0.67	1.42
34.0	118.6	17.49	17.00	19.87	2.83	1.60	0.90	1.78
42.2	147.2	16.98	16.74	19.53	3.34	1.86	1.24	2.15

SETTLEMENT RELATIONSHIP vs TIME



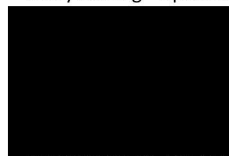
Remarks:

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For and on behalf of CTS

Harry Dorling - Operations Supervisor



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 / 172034.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	17/02/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Marc Hawkins	SITE:	Havant, Portsmouth
LOCATION:	J2 Sub formation	MATERIAL:	Type 1
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Not Specified
TEST METHOD:	Incremental Plate Loading	SOURCE:	Not Specified
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

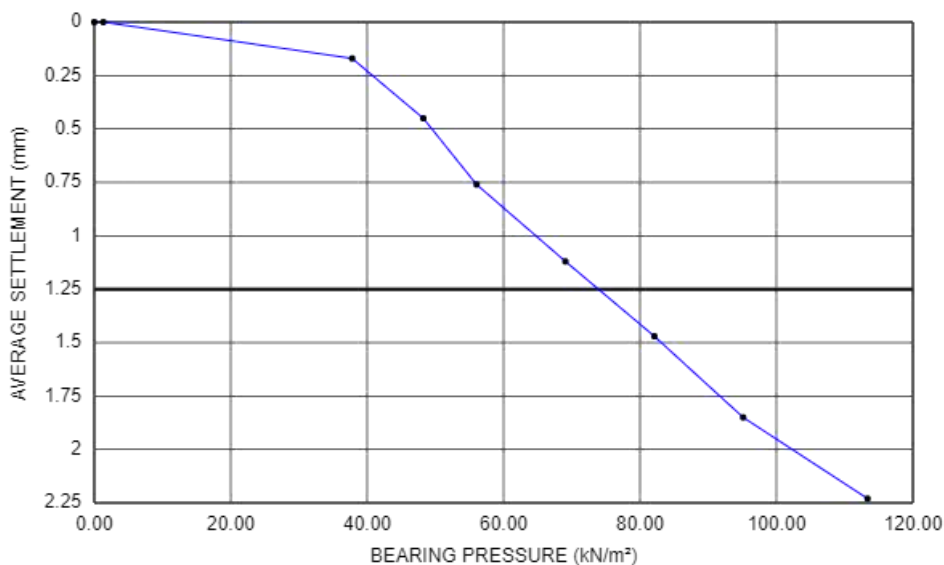
Equipment Details

Type of Kentledge: 22 Ton Excavator
 Plate Diameter: 604 mm
 Plate Area: 0.286526 m²
 Plate Correction: 0.81

Results

Max applied pressure: 113 kN/m²
 Max settlement: 2.23 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 74 kN/m²
 Modulus of subgrade K762: 48 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.9 %

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)

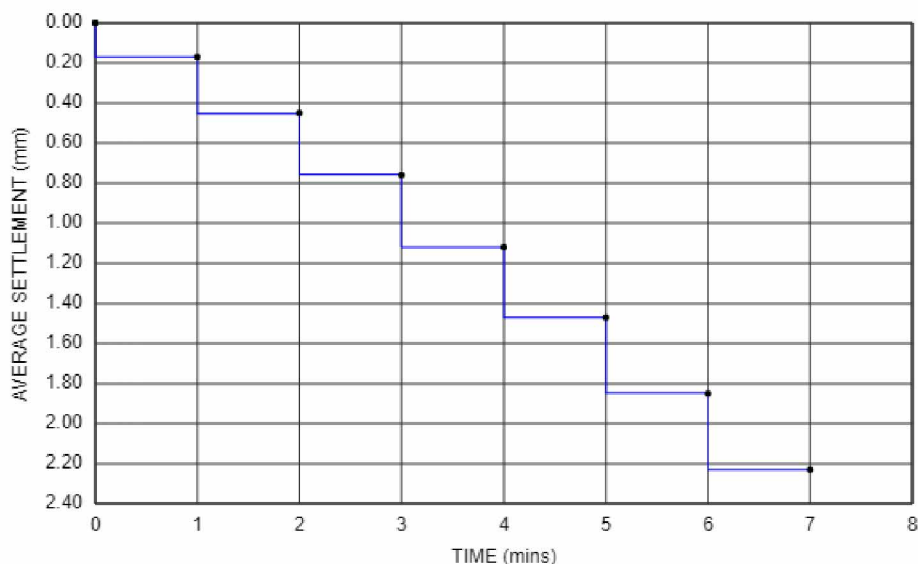
REPORT NUMBER:

C1055642 / 172034.1.1.2

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
0.4	1.3	17.69	18.29	18.88	0.00	0.00	0.00	0.00
10.8	37.8	17.60	17.98	18.77	0.09	0.31	0.11	0.17
13.8	48.2	17.26	17.69	18.55	0.43	0.60	0.33	0.45
16.1	56.0	16.90	17.38	18.31	0.79	0.91	0.57	0.76
19.8	69.1	16.43	17.01	18.06	1.26	1.28	0.82	1.12
23.5	82.1	16.05	16.67	17.73	1.64	1.62	1.15	1.47
27.3	95.1	15.55	16.32	17.45	2.14	1.97	1.43	1.85
32.5	113.4	15.07	15.93	17.17	2.62	2.36	1.71	2.23

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Harry Dorling - Operations Supervisor



Approved Signatory

Report date 17-Feb-22



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