

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 / 164200.1.1.2		
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:	B11	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

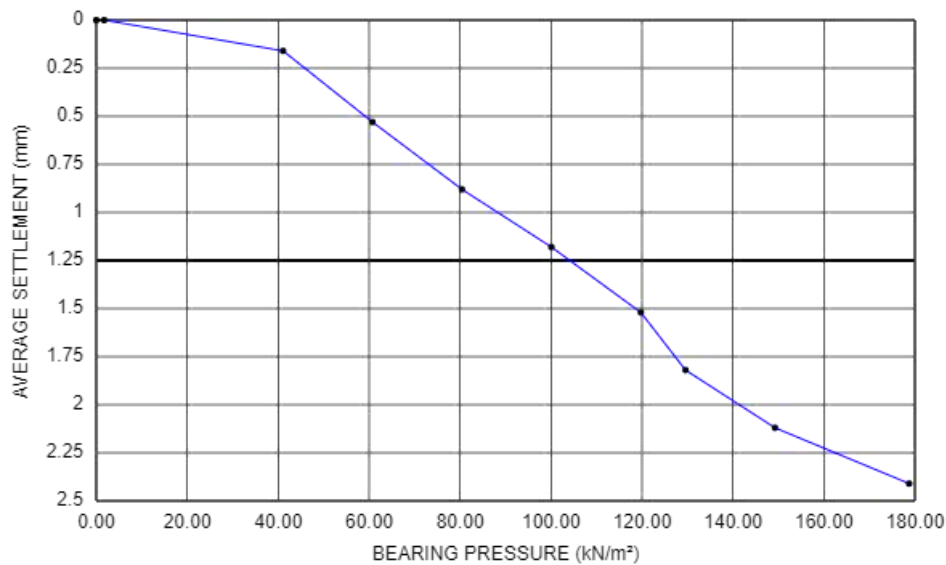
Equipment Details

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

Results

Max applied pressure: 179 kN/m²
 Max settlement: 2.41 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 104 kN/m²
 Modulus of subgrade K762: 52 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 9.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 9.1 %

Remarks:

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TEST REPORT:

Determination of Equivalent CBR Value

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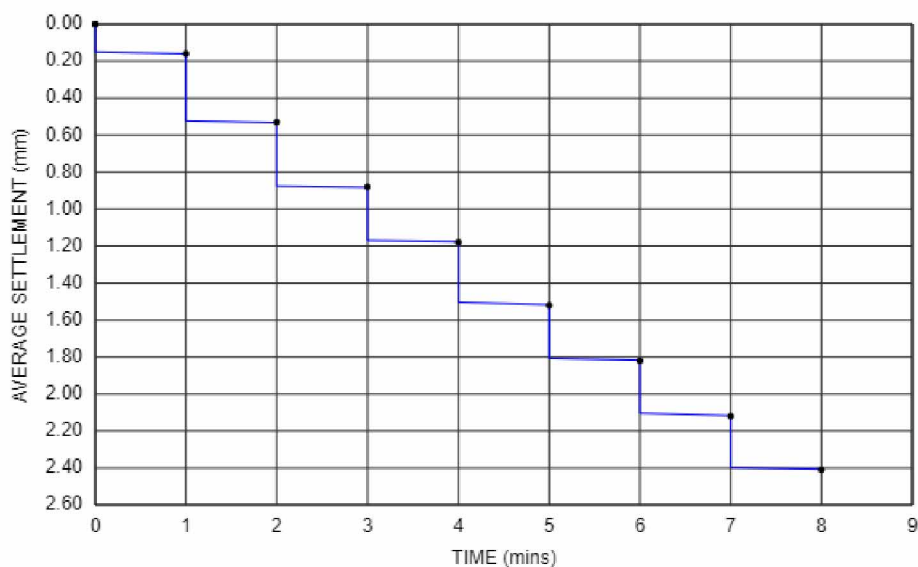
REPORT NUMBER:

C1055642 / 164200.1.1.2

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	41.1	-0.16	-0.23	-0.09	0.16	0.23	0.09	0.16
9.7	60.7	-0.42	-0.57	-0.61	0.42	0.57	0.61	0.53
12.8	80.4	-0.73	-0.85	-1.07	0.73	0.85	1.07	0.88
15.9	100.1	-0.97	-1.14	-1.42	0.97	1.14	1.42	1.18
19.0	119.7	-1.30	-1.46	-1.79	1.30	1.46	1.79	1.52
20.6	129.6	-1.53	-1.75	-2.17	1.53	1.75	2.17	1.82
23.7	149.2	-1.80	-2.02	-2.53	1.80	2.02	2.53	2.12
28.4	178.7	-2.05	-2.40	-2.77	2.05	2.40	2.77	2.41

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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For and on behalf of CTS

Atif Mohammed - Supervisor



Approved Signatory
07-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 / 164200.1.1.3		
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:	B12	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

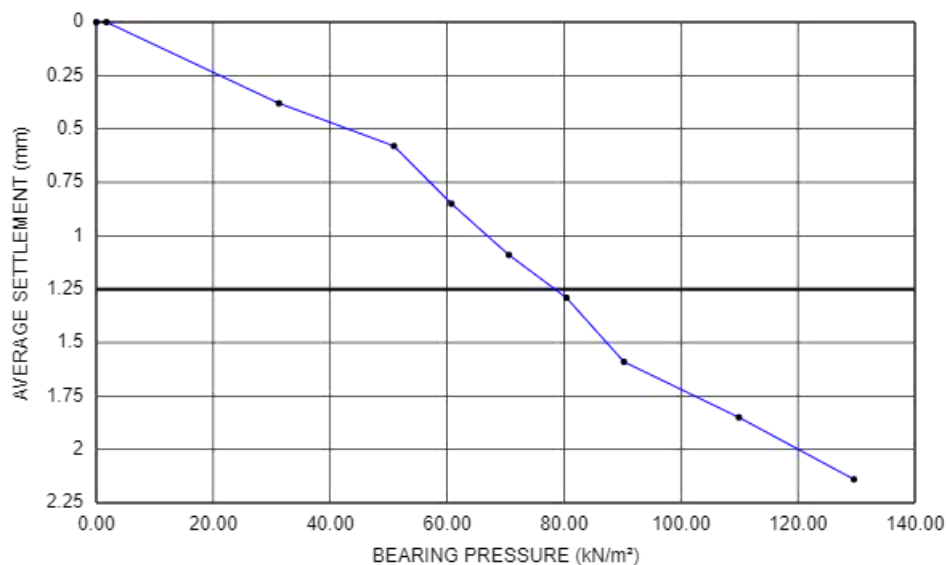
Equipment Details

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

Results

Max applied pressure: 130 kN/m²
 Max settlement: 2.14 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 78 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:

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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)

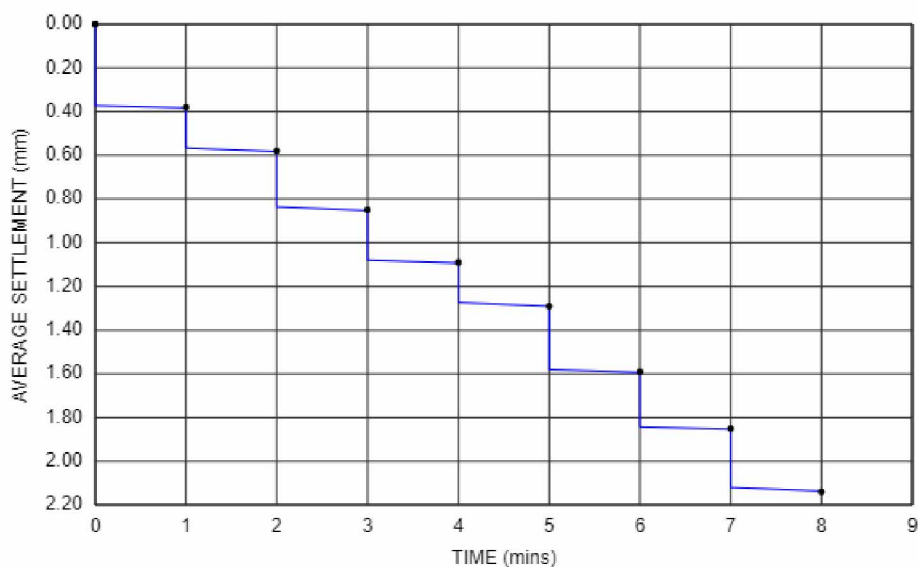
REPORT NUMBER:

C1055642 / 164200.1.1.3

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	31.2	-0.45	-0.27	-0.43	0.45	0.27	0.43	0.38
8.1	50.9	-0.62	-0.51	-0.62	0.62	0.51	0.62	0.58
9.7	60.7	-0.91	-0.78	-0.87	0.91	0.78	0.87	0.85
11.2	70.6	-1.15	-1.03	-1.10	1.15	1.03	1.10	1.09
12.8	80.4	-1.34	-1.23	-1.30	1.34	1.23	1.30	1.29
14.4	90.2	-1.63	-1.55	-1.60	1.63	1.55	1.60	1.59
17.5	109.9	-1.90	-1.79	-1.87	1.90	1.79	1.87	1.85
20.6	129.6	-2.18	-2.07	-2.16	2.18	2.07	2.16	2.14

SETTLEMENT RELATIONSHIP vs TIME



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Atif Mohammed - Supervisor

[Redacted Signature]

Approved Signatory
07-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 / 164200.1.1.4		
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:	B13	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

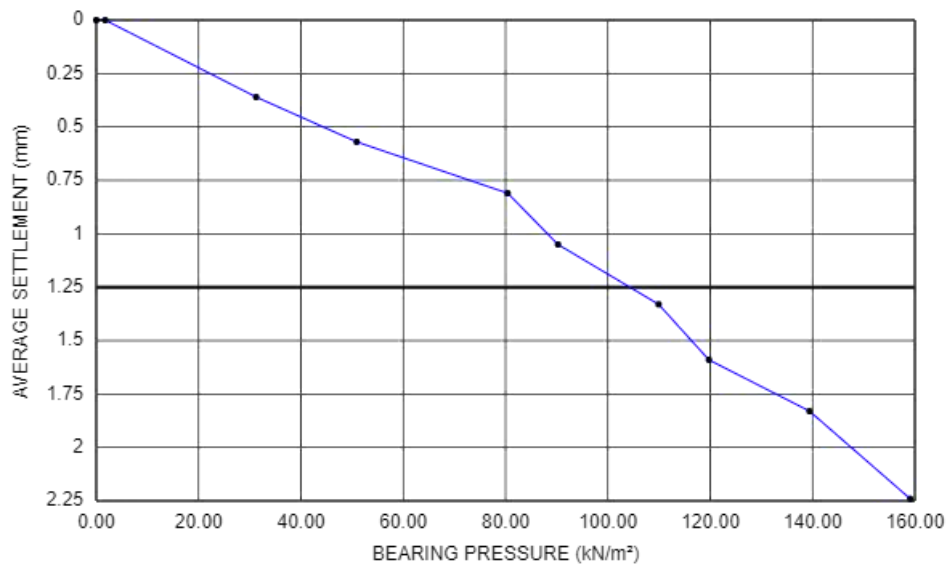
Equipment Details

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

Results

Max applied pressure: 159 kN/m²
 Max settlement: 2.24 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 104 kN/m²
 Modulus of subgrade K762: 52 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 9.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 9.1 %

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Determination of Equivalent CBR Value

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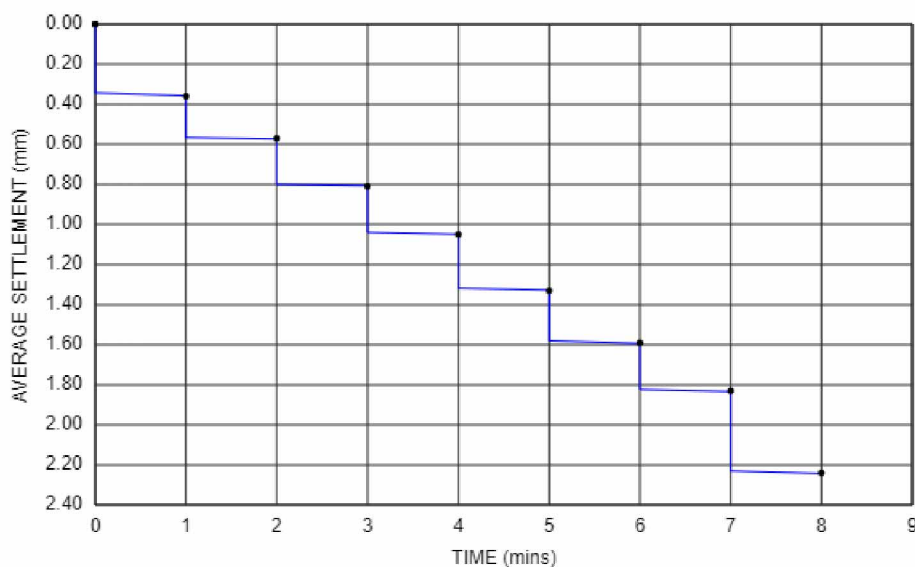
REPORT NUMBER:

C1055642 / 164200.1.1.4

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	31.2	-0.31	-0.43	-0.33	0.31	0.43	0.33	0.36
8.1	50.9	-0.53	-0.61	-0.58	0.53	0.61	0.58	0.57
12.8	80.4	-0.78	-0.84	-0.80	0.78	0.84	0.80	0.81
14.4	90.2	-0.98	-1.14	-1.03	0.98	1.14	1.03	1.05
17.5	109.9	-1.24	-1.41	-1.33	1.24	1.41	1.33	1.33
19.0	119.7	-1.48	-1.72	-1.58	1.48	1.72	1.58	1.59
22.2	139.4	-1.71	-1.95	-1.84	1.71	1.95	1.84	1.83
25.3	159.1	-2.03	-2.42	-2.28	2.03	2.42	2.28	2.24

SETTLEMENT RELATIONSHIP vs TIME



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REPORT NUMBER:	C1055642 / 164200.1.1.5		
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:	C13	MATERIAL:	Crushed type 1 sub formation
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

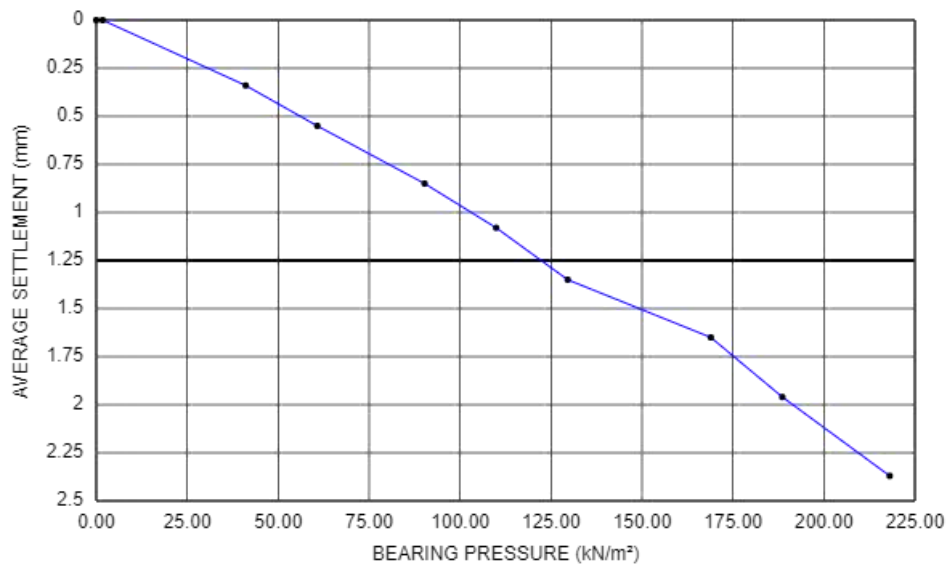
Equipment Details

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

Results

Max applied pressure: 218 kN/m²
 Max settlement: 2.37 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 122 kN/m²
 Modulus of subgrade K762: 61 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 12.0%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 12.0 %

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Determination of Equivalent CBR Value

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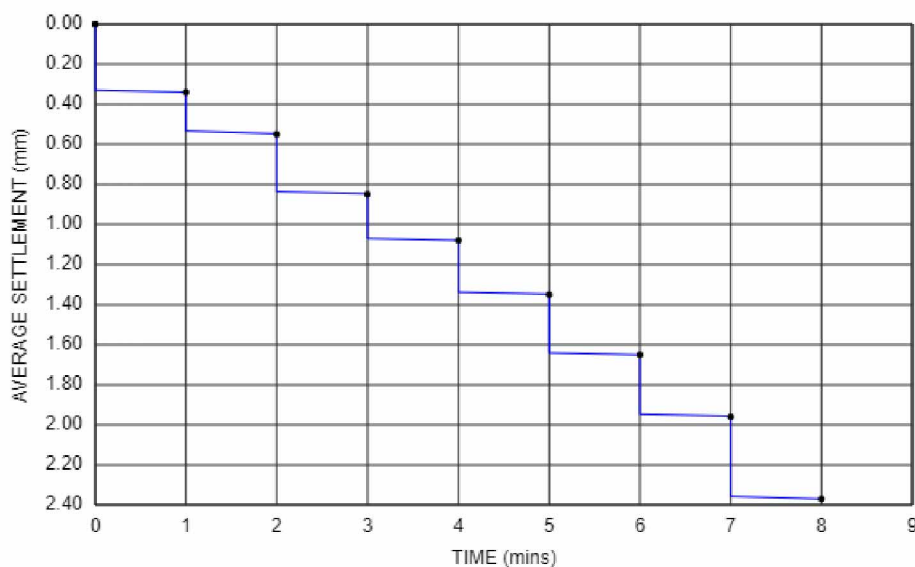
REPORT NUMBER:

C1055642 / 164200.1.1.5

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	41.1	-0.25	-0.44	-0.33	0.25	0.44	0.33	0.34
9.7	60.7	-0.48	-0.57	-0.59	0.48	0.57	0.59	0.55
14.4	90.2	-0.77	-0.94	-0.83	0.77	0.94	0.83	0.85
17.5	109.9	-1.01	-1.20	-1.03	1.01	1.20	1.03	1.08
20.6	129.6	-1.27	-1.45	-1.32	1.27	1.45	1.32	1.35
26.9	168.9	-1.63	-1.75	-1.57	1.63	1.75	1.57	1.65
30.0	188.6	-1.93	-2.05	-1.89	1.93	2.05	1.89	1.96
34.7	218.1	-2.30	-2.48	-2.33	2.30	2.48	2.33	2.37

SETTLEMENT RELATIONSHIP vs TIME



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Atif Mohammed - Supervisor



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07-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 / 164200.1.1.6		
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:	D13	MATERIAL:	Crushed type 1 sub formation
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

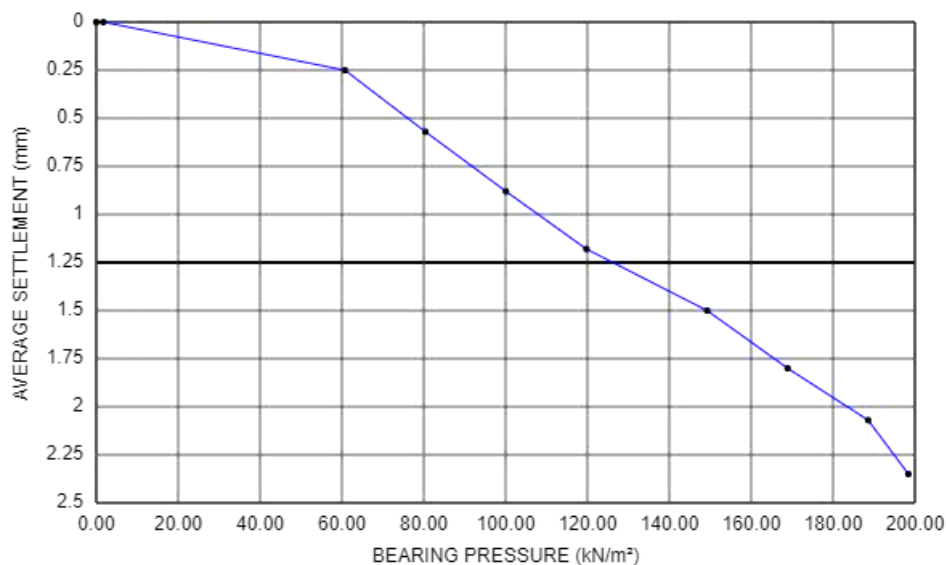
Equipment Details

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: 2.35 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: 12.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 12.6 %

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)

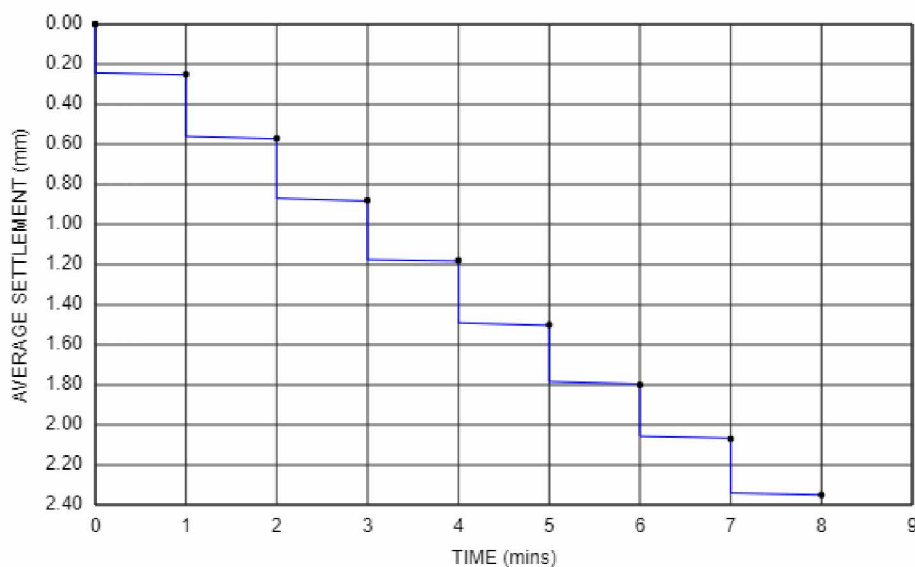
REPORT NUMBER:

C1055642 / 164200.1.1.6

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.7	60.7	-0.25	-0.24	-0.27	0.25	0.24	0.27	0.25
12.8	80.4	-0.47	-0.61	-0.64	0.47	0.61	0.64	0.57
15.9	100.1	-0.73	-0.95	-0.97	0.73	0.95	0.97	0.88
19.0	119.7	-0.98	-1.20	-1.37	0.98	1.20	1.37	1.18
23.7	149.2	-1.26	-1.59	-1.66	1.26	1.59	1.66	1.50
26.9	168.9	-1.58	-1.88	-1.93	1.58	1.88	1.93	1.80
30.0	188.6	-1.75	-2.16	-2.29	1.75	2.16	2.29	2.07
31.6	198.4	-1.96	-2.40	-2.69	1.96	2.40	2.69	2.35

SETTLEMENT RELATIONSHIP vs TIME



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07-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 / 164200.1.1.7		
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:	E13	MATERIAL:	Crushed type 1 sub formation
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

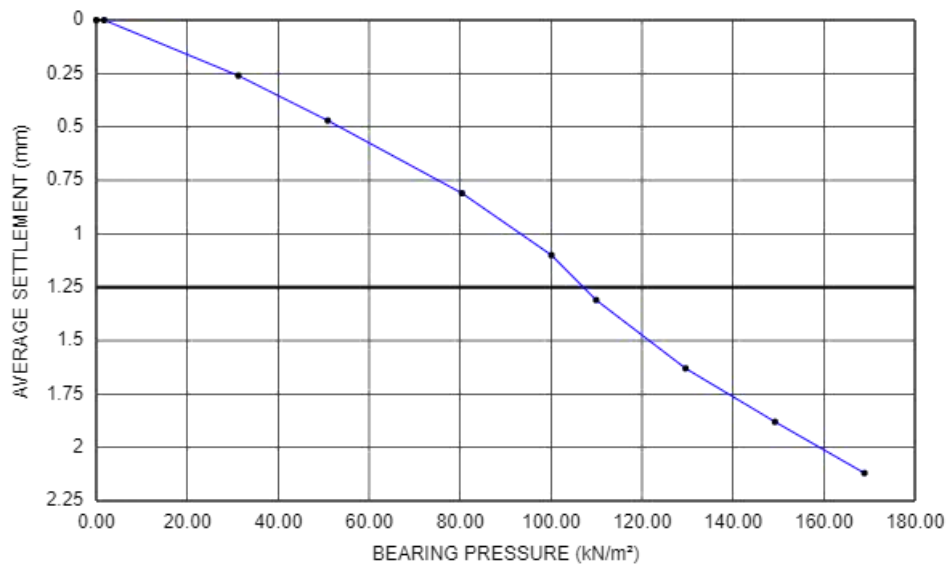
Equipment Details

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

Results

Max applied pressure: 169 kN/m²
 Max settlement: 2.12 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 107 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)

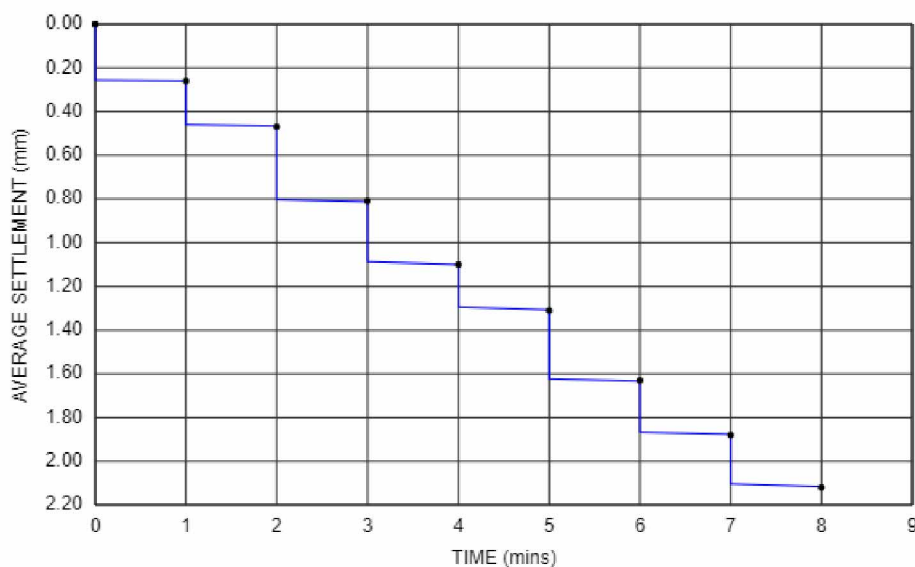
REPORT NUMBER:

C1055642 / 164200.1.1.7

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	31.2	-0.28	-0.33	-0.17	0.28	0.33	0.17	0.26
8.1	50.9	-0.54	-0.47	-0.39	0.54	0.47	0.39	0.47
12.8	80.4	-0.73	-0.78	-0.93	0.73	0.78	0.93	0.81
15.9	100.1	-0.96	-1.06	-1.28	0.96	1.06	1.28	1.10
17.5	109.9	-1.15	-1.30	-1.47	1.15	1.30	1.47	1.31
20.6	129.6	-1.42	-1.64	-1.84	1.42	1.64	1.84	1.63
23.7	149.2	-1.69	-1.89	-2.05	1.69	1.89	2.05	1.88
26.9	168.9	-1.92	-2.05	-2.38	1.92	2.05	2.38	2.12

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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REPORT NUMBER:	C1055642 / 164200.1.1.8		
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:	F13	MATERIAL:	Clay/soil sub formation
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

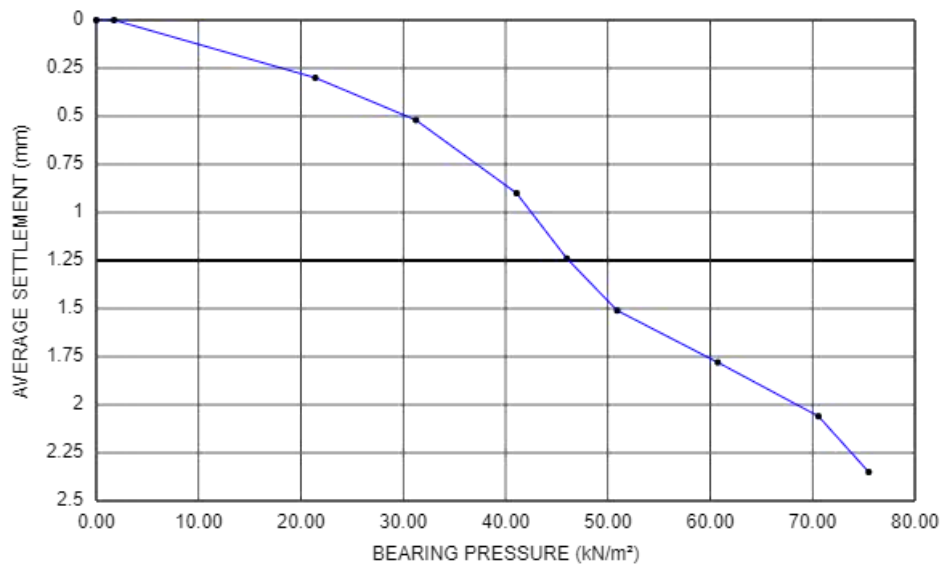
Equipment Details

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

Results

Max applied pressure: 75 kN/m²
 Max settlement: 2.35 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 46 kN/m²
 Modulus of subgrade K762: 23 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 2.2%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 2.2 %

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)

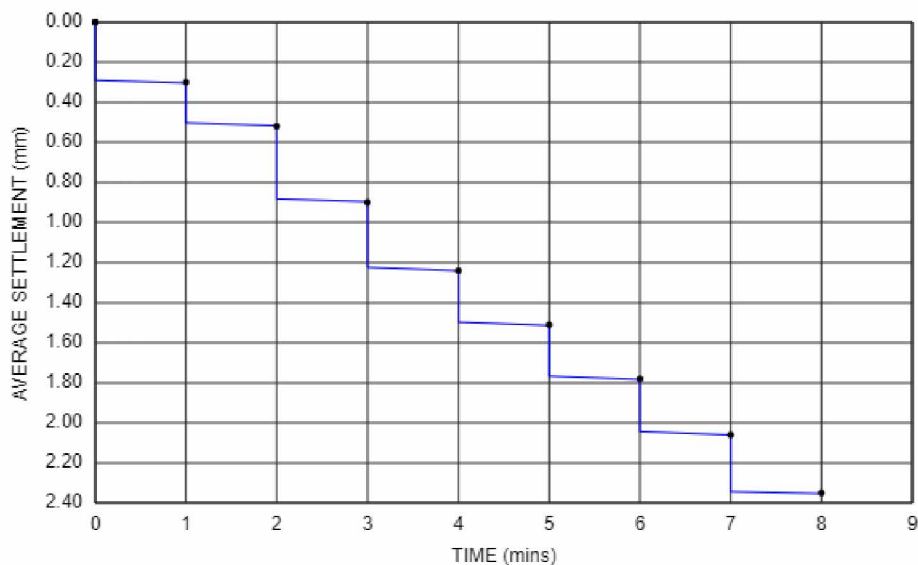
REPORT NUMBER:

C1055642 / 164200.1.1.8

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4	21.4	-0.41	-0.27	-0.23	0.41	0.27	0.23	0.30
5.0	31.2	-0.65	-0.48	-0.42	0.65	0.48	0.42	0.52
6.5	41.1	-1.08	-0.84	-0.77	1.08	0.84	0.77	0.90
7.3	46.0	-1.42	-1.20	-1.10	1.42	1.20	1.10	1.24
8.1	50.9	-1.70	-1.47	-1.37	1.70	1.47	1.37	1.51
9.7	60.7	-2.01	-1.72	-1.62	2.01	1.72	1.62	1.78
11.2	70.6	-2.32	-2.01	-1.85	2.32	2.01	1.85	2.06
12.0	75.5	-2.62	-2.29	-2.15	2.62	2.29	2.15	2.35

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

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 / 164200.1.1.9		
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:	E11	MATERIAL:	Soil/clay sub formation
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

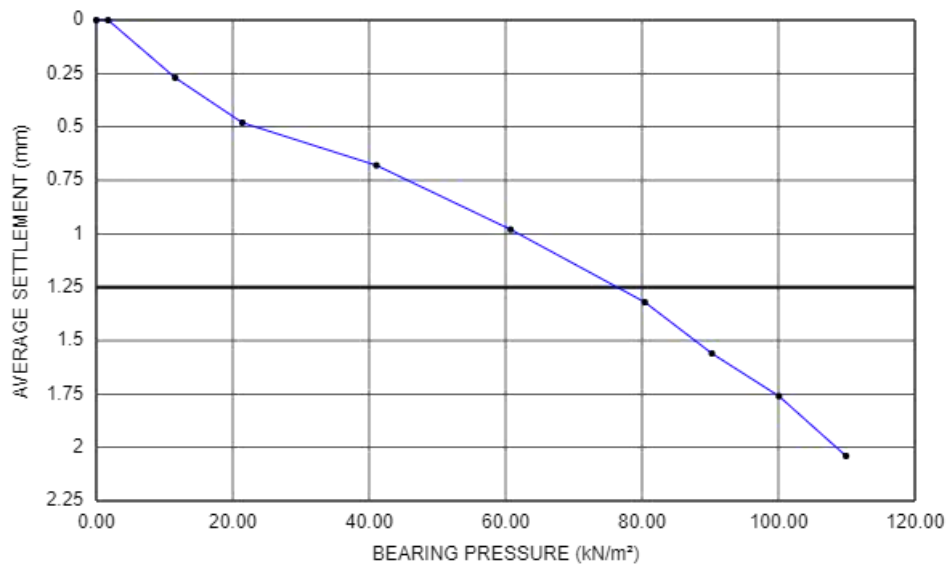
Equipment Details

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

Results

Max applied pressure: 110 kN/m²
 Max settlement: 2.04 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 76 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:

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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)

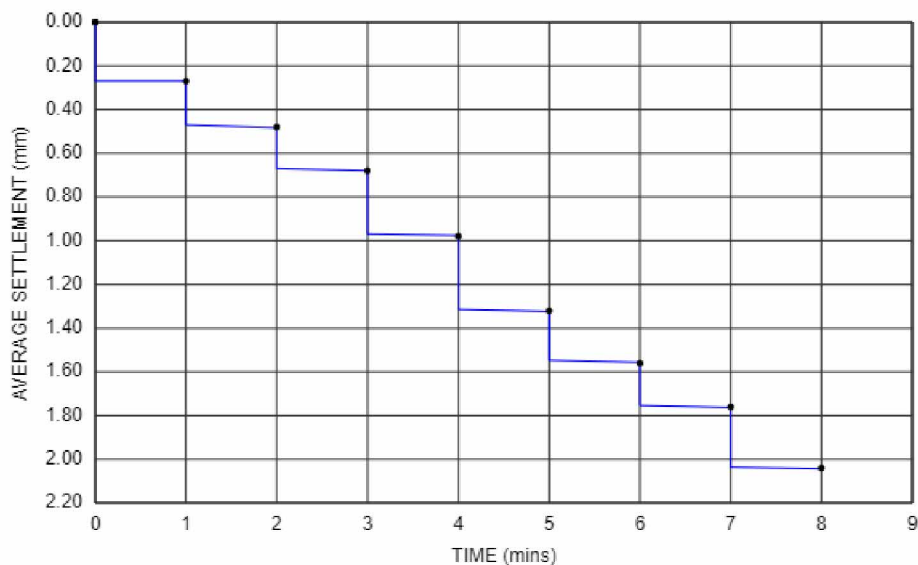
REPORT NUMBER:

C1055642 / 164200.1.1.9

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.8	11.6	-0.26	-0.39	-0.16	0.26	0.39	0.16	0.27
3.4	21.4	-0.42	-0.51	-0.52	0.42	0.51	0.52	0.48
6.5	41.1	-0.62	-0.74	-0.68	0.62	0.74	0.68	0.68
9.7	60.7	-0.90	-1.03	-1.00	0.90	1.03	1.00	0.98
12.8	80.4	-1.17	-1.43	-1.37	1.17	1.43	1.37	1.32
14.4	90.2	-1.38	-1.69	-1.60	1.38	1.69	1.60	1.56
15.9	100.1	-1.64	-1.86	-1.79	1.64	1.86	1.79	1.76
17.5	109.9	-1.90	-2.17	-2.06	1.90	2.17	2.06	2.04

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager


 Approved Signatory
07-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 / 164200.1.1.10		
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:	F11	MATERIAL:	Clay sub formation
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

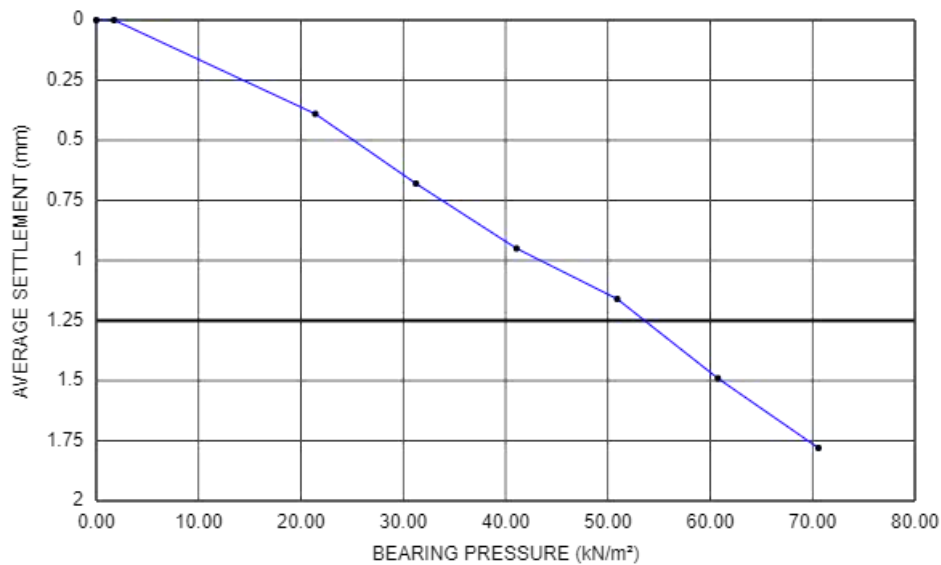
Equipment Details

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

Results

Max applied pressure: 71 kN/m²
 Max settlement: 1.78 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 54 kN/m²
 Modulus of subgrade K762: 27 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 2.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 2.9 %

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)

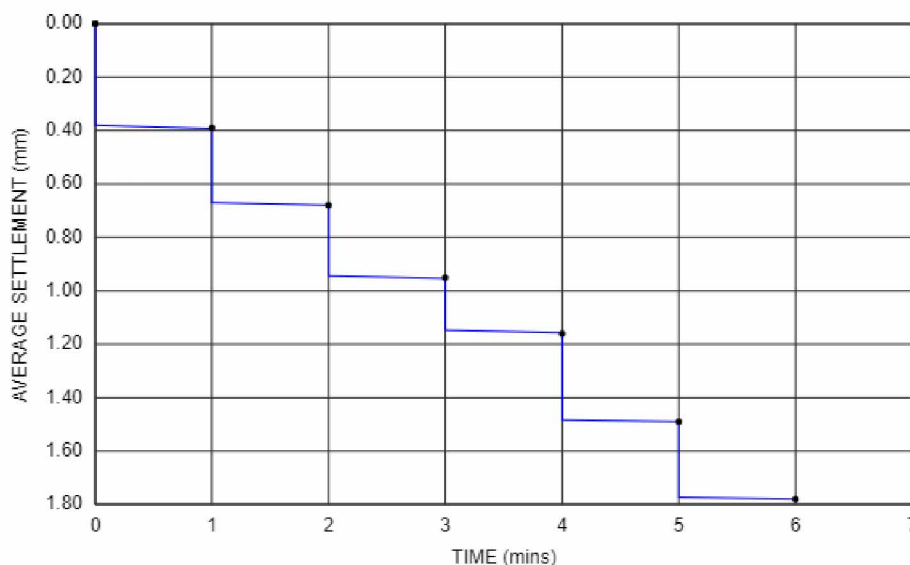
REPORT NUMBER:

C1055642 / 164200.1.1.10

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	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4	21.4	-0.29	-0.40	-0.49	0.29	0.40	0.49	0.39
5.0	31.2	-0.59	-0.70	-0.75	0.59	0.70	0.75	0.68
6.5	41.1	-0.83	-0.99	-1.04	0.83	0.99	1.04	0.95
8.1	50.9	-1.07	-1.17	-1.23	1.07	1.17	1.23	1.16
9.7	60.7	-1.44	-1.54	-1.49	1.44	1.54	1.49	1.49
11.2	70.6	-1.68	-1.90	-1.76	1.68	1.90	1.76	1.78

SETTLEMENT RELATIONSHIP vs TIME



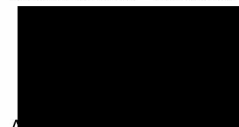
Remarks:

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For and on behalf of CTS

Matthew Mills - Laboratory Manager



Approved Signature

07-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 / 164200.1.1.11		
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:	E10	MATERIAL:	Type 1 crushed sub formation
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

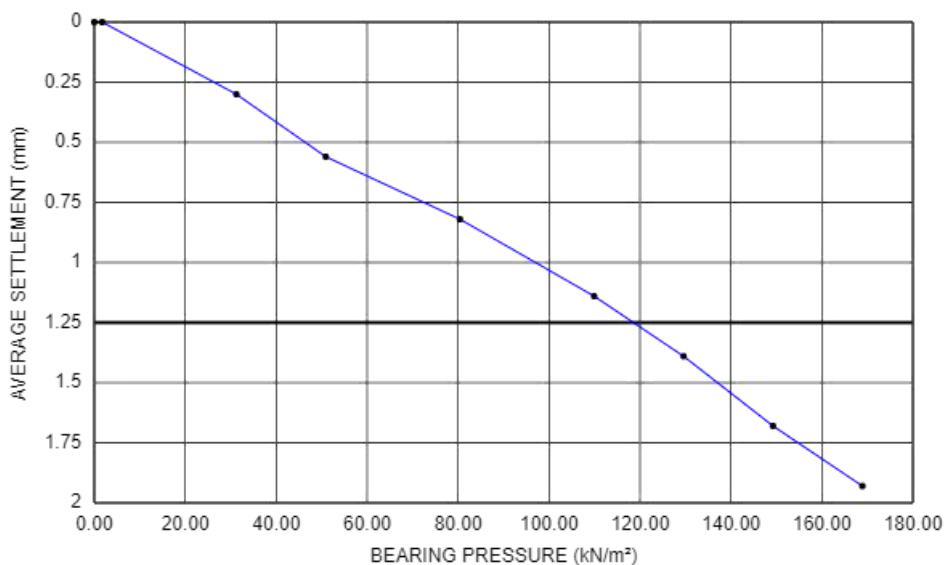
Equipment Details

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

Results

Max applied pressure: 169 kN/m²
 Max settlement: 1.93 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 119 kN/m²
 Modulus of subgrade K762: 59 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 11.4%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 11.4 %

Remarks:

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

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)

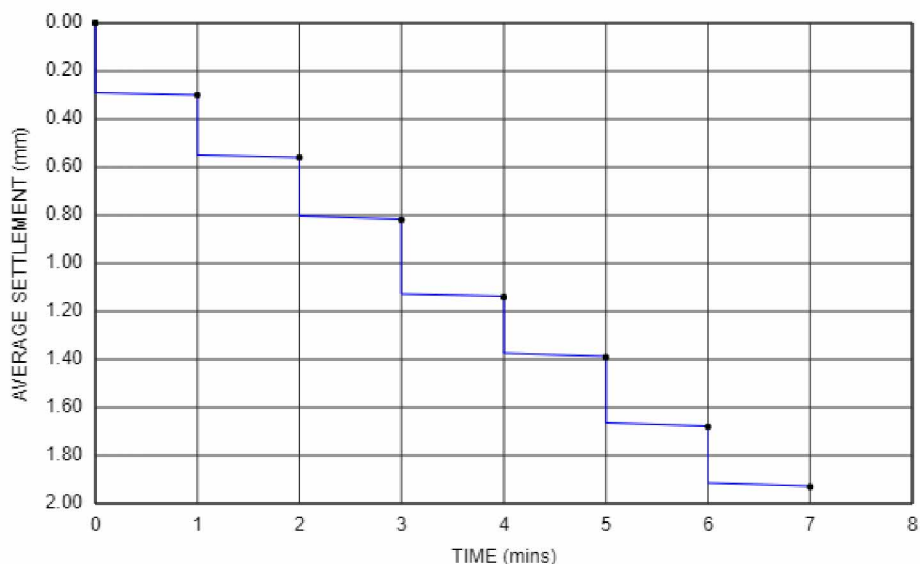
REPORT NUMBER:

C1055642 / 164200.1.1.11

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
5.0	31.2	-0.32	-0.31	-0.27	0.32	0.31	0.27	0.30
8.1	50.9	-0.57	-0.60	-0.51	0.57	0.60	0.51	0.56
12.8	80.4	-0.80	-0.92	-0.73	0.80	0.92	0.73	0.82
17.5	109.9	-1.11	-1.24	-1.06	1.11	1.24	1.06	1.14
20.6	129.6	-1.32	-1.59	-1.25	1.32	1.59	1.25	1.39
23.7	149.2	-1.66	-1.79	-1.58	1.66	1.79	1.58	1.68
26.9	168.9	-1.92	-2.05	-1.81	1.92	2.05	1.81	1.93

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.
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For and on behalf of CTS

[Redacted Signature]

07-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 / 164766.1.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	11/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F7	MATERIAL:	Subformation granular fill
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

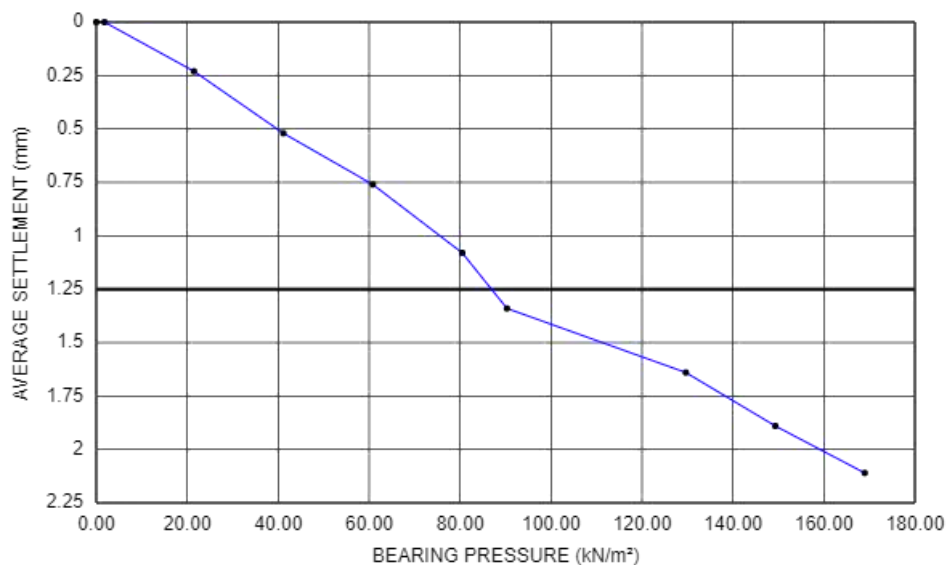
Equipment Details

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

Results

Max applied pressure: 169 kN/m²
 Max settlement: 2.11 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 87 kN/m²
 Modulus of subgrade K762: 43 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 6.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.6 %

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)

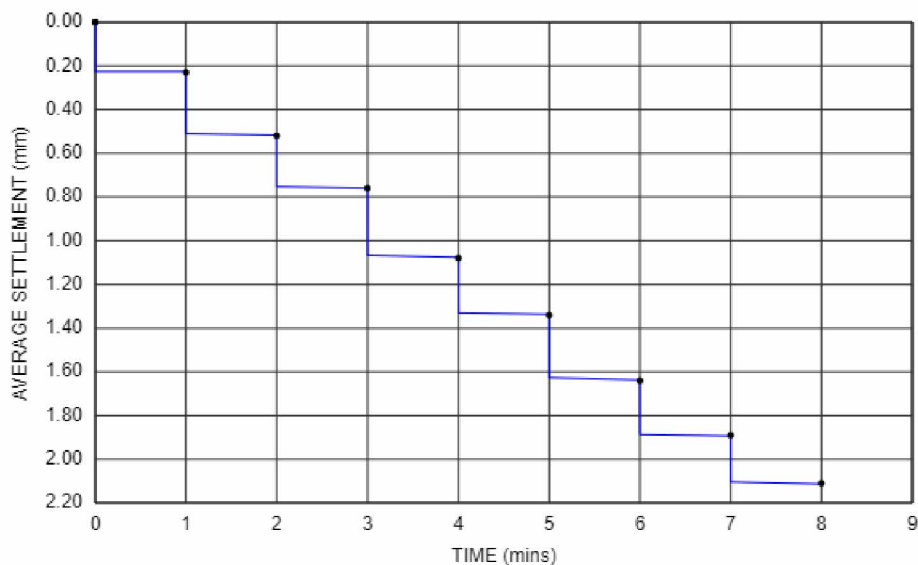
REPORT NUMBER:

C1055642 / 164766.1.1.1

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	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4	21.5	-0.46	-0.12	-0.10	0.46	0.12	0.10	0.23
6.5	41.1	-0.77	-0.49	-0.29	0.77	0.49	0.29	0.52
9.7	60.8	-0.99	-0.72	-0.57	0.99	0.72	0.57	0.76
12.8	80.5	-1.32	-1.05	-0.86	1.32	1.05	0.86	1.08
14.4	90.3	-1.59	-1.32	-1.10	1.59	1.32	1.10	1.34
20.6	129.6	-1.89	-1.58	-1.44	1.89	1.58	1.44	1.64
23.7	149.3	-2.06	-1.90	-1.72	2.06	1.90	1.72	1.89
26.9	169.0	-2.29	-2.07	-1.98	2.29	2.07	1.98	2.11

SETTLEMENT RELATIONSHIP vs TIME

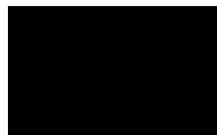

Remarks:

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For and on behalf of CTS

Atif Mohammed - Supervisor



11-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 / 164766.1.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	11/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	F6	MATERIAL:	Subformation layer granular fill
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

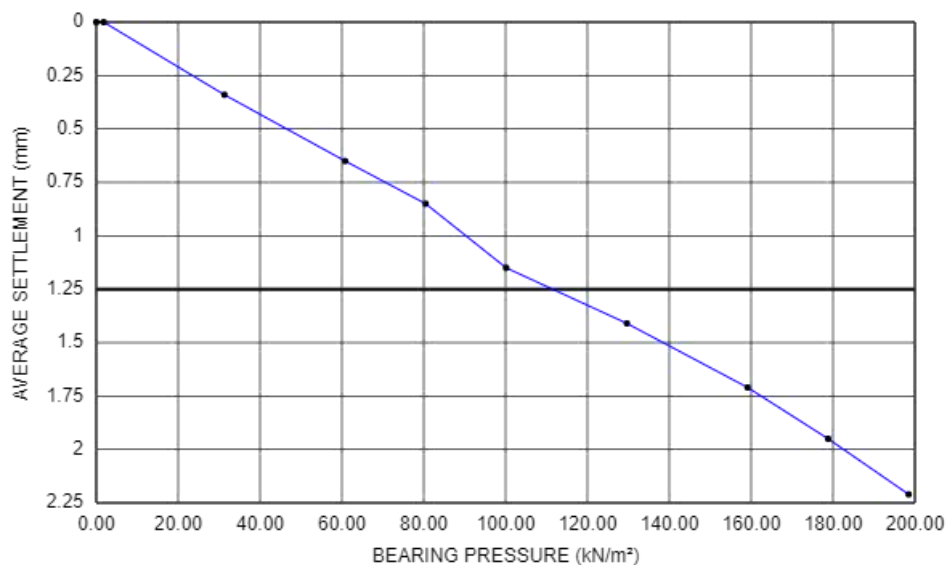
Equipment Details

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

Results

Max applied pressure: 198 kN/m²
 Max settlement: 2.21 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 111 kN/m²
 Modulus of subgrade K762: 55 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 10.2%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 10.2 %

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)

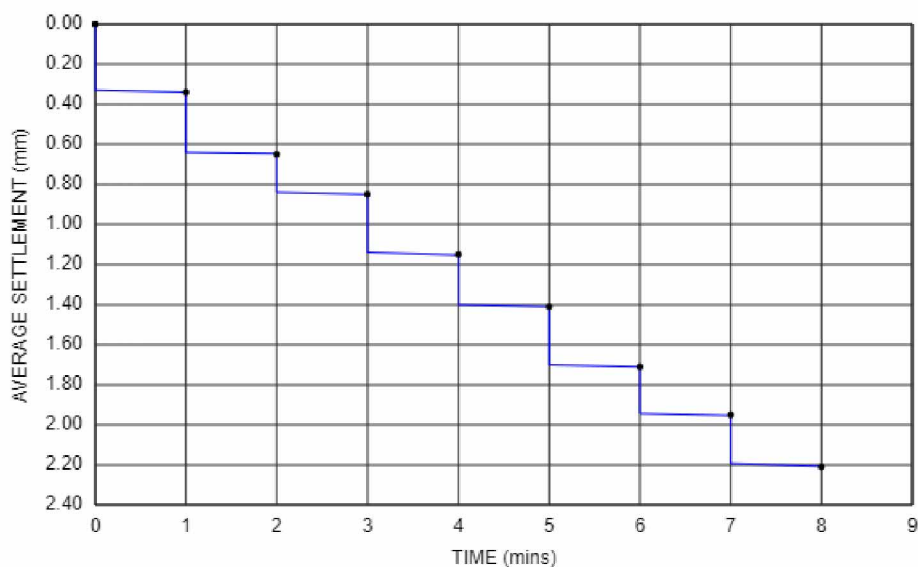
REPORT NUMBER:

C1055642 / 164766.1.1.2

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	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	31.3	-0.26	-0.40	-0.36	0.26	0.40	0.36	0.34
9.7	60.8	-0.57	-0.64	-0.73	0.57	0.64	0.73	0.65
12.8	80.5	-0.77	-0.85	-0.93	0.77	0.85	0.93	0.85
15.9	100.1	-1.04	-1.18	-1.24	1.04	1.18	1.24	1.15
20.6	129.6	-1.29	-1.43	-1.51	1.29	1.43	1.51	1.41
25.3	159.1	-1.58	-1.73	-1.82	1.58	1.73	1.82	1.71
28.4	178.8	-1.80	-1.98	-2.08	1.80	1.98	2.08	1.95
31.6	198.5	-2.05	-2.19	-2.38	2.05	2.19	2.38	2.21

SETTLEMENT RELATIONSHIP vs TIME



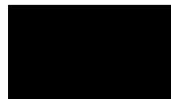
Remarks:

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For and on behalf of CTS

Atif Mohammed - Supervisor



Approved Signatory
11-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 / 164766.1.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	11/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G6	MATERIAL:	Subformation layer granular fill
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

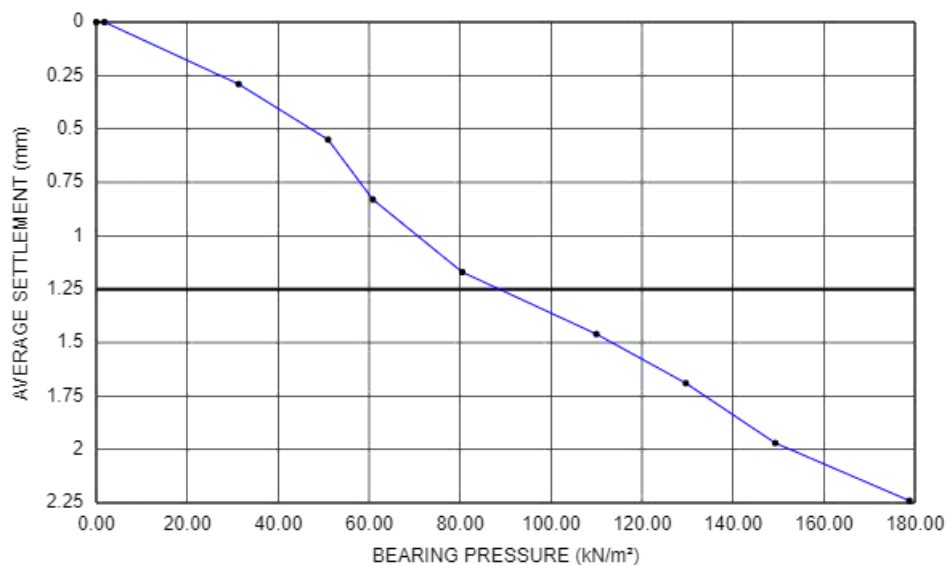
Equipment Details

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

Results

Max applied pressure: 179 kN/m²
 Max settlement: 2.24 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 89 kN/m²
 Modulus of subgrade K762: 44 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 6.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.9 %

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)

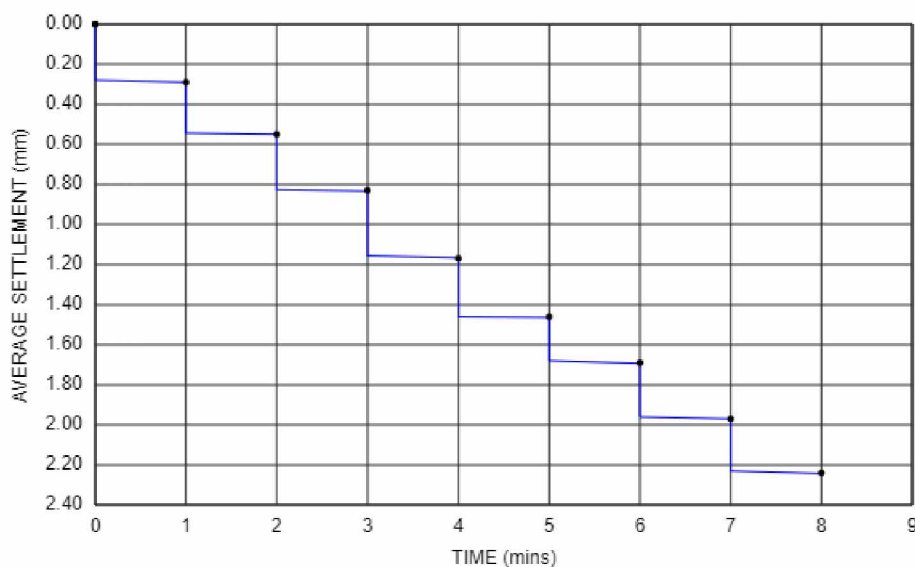
REPORT NUMBER:

C1055642 / 164766.1.1.3

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	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	31.3	-0.29	-0.27	-0.31	0.29	0.27	0.31	0.29
8.1	51.0	-0.52	-0.51	-0.62	0.52	0.51	0.62	0.55
9.7	60.8	-0.80	-0.73	-0.97	0.80	0.73	0.97	0.83
12.8	80.5	-1.07	-1.02	-1.41	1.07	1.02	1.41	1.17
17.5	110.0	-1.37	-1.27	-1.75	1.37	1.27	1.75	1.46
20.6	129.6	-1.57	-1.50	-2.01	1.57	1.50	2.01	1.69
23.7	149.3	-1.89	-1.77	-2.25	1.89	1.77	2.25	1.97
28.4	178.8	-2.05	-2.00	-2.68	2.05	2.00	2.68	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

Atif Mohammed - Supervisor



Approved Signatory

11-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 / 164766.1.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	11/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G7	MATERIAL:	Subformation layer granular fill
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

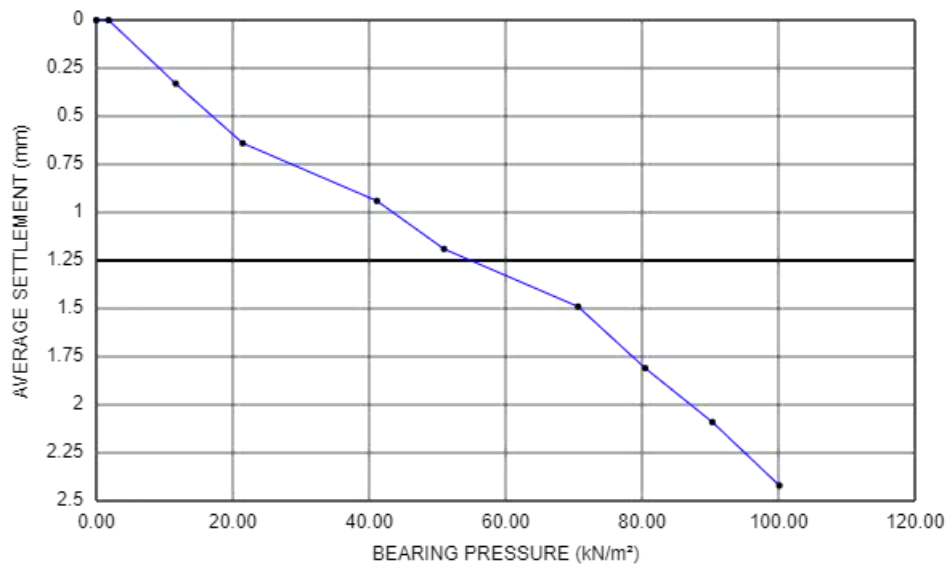
Equipment Details

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

Results

Max applied pressure: 100 kN/m²
 Max settlement: 2.42 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 55 kN/m²
 Modulus of subgrade K762: 27 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 3.0%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 3.0 %

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)

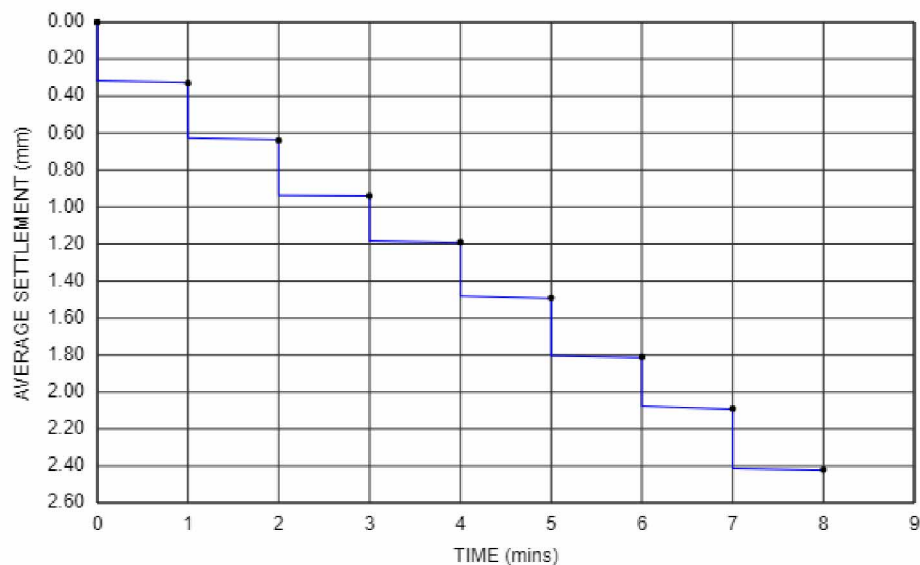
REPORT NUMBER:

C1055642 / 164766.1.1.4

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	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.9	11.6	-0.28	-0.32	-0.38	0.28	0.32	0.38	0.33
3.4	21.5	-0.59	-0.60	-0.72	0.59	0.60	0.72	0.64
6.5	41.1	-0.86	-0.93	-1.03	0.86	0.93	1.03	0.94
8.1	51.0	-1.06	-1.18	-1.34	1.06	1.18	1.34	1.19
11.2	70.6	-1.35	-1.44	-1.69	1.35	1.44	1.69	1.49
12.8	80.5	-1.68	-1.76	-2.00	1.68	1.76	2.00	1.81
14.4	90.3	-1.99	-2.05	-2.24	1.99	2.05	2.24	2.09
15.9	100.1	-2.28	-2.47	-2.52	2.28	2.47	2.52	2.42

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
11-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 / 164766.1.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	11/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Thomas Cook	SITE:	Havant, Portsmouth
LOCATION:	G8	MATERIAL:	Subformation layer granular fill
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

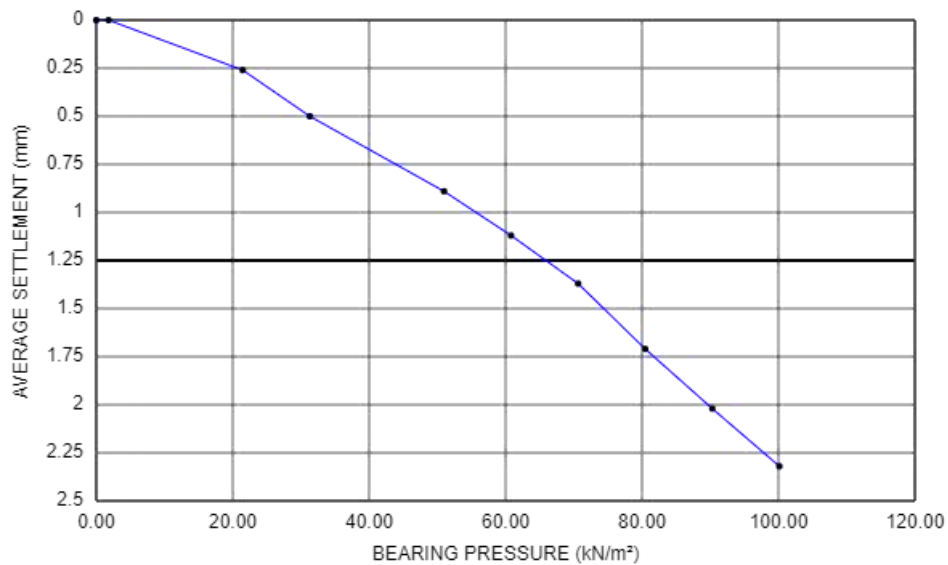
Equipment Details

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

Results

Max applied pressure: 100 kN/m²
 Max settlement: 2.32 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 66 kN/m²
 Modulus of subgrade K762: 33 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 4.1%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 4.1 %

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)

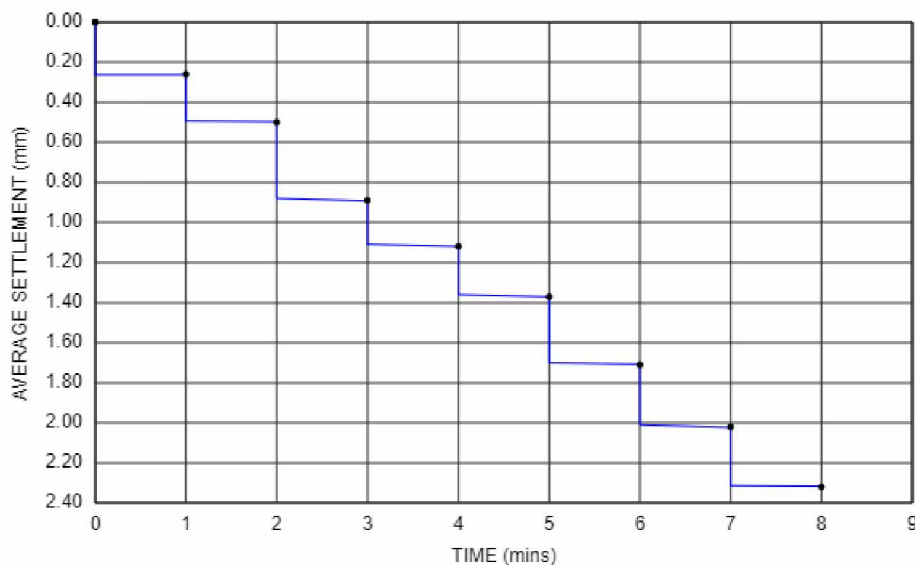
REPORT NUMBER:

C1055642 / 164766.1.1.5

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	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4	21.5	-0.36	-0.05	-0.38	0.36	0.05	0.38	0.26
5.0	31.3	-0.53	-0.31	-0.65	0.53	0.31	0.65	0.50
8.1	51.0	-0.88	-0.70	-1.10	0.88	0.70	1.10	0.89
9.7	60.8	-1.03	-0.94	-1.39	1.03	0.94	1.39	1.12
11.2	70.6	-1.21	-1.20	-1.70	1.21	1.20	1.70	1.37
12.8	80.5	-1.46	-1.53	-2.13	1.46	1.53	2.13	1.71
14.4	90.3	-1.78	-1.80	-2.49	1.78	1.80	2.49	2.02
15.9	100.1	-2.10	-2.18	-2.67	2.10	2.18	2.67	2.32

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

11-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 / 165071.2.1.1		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	E12 Foundation	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

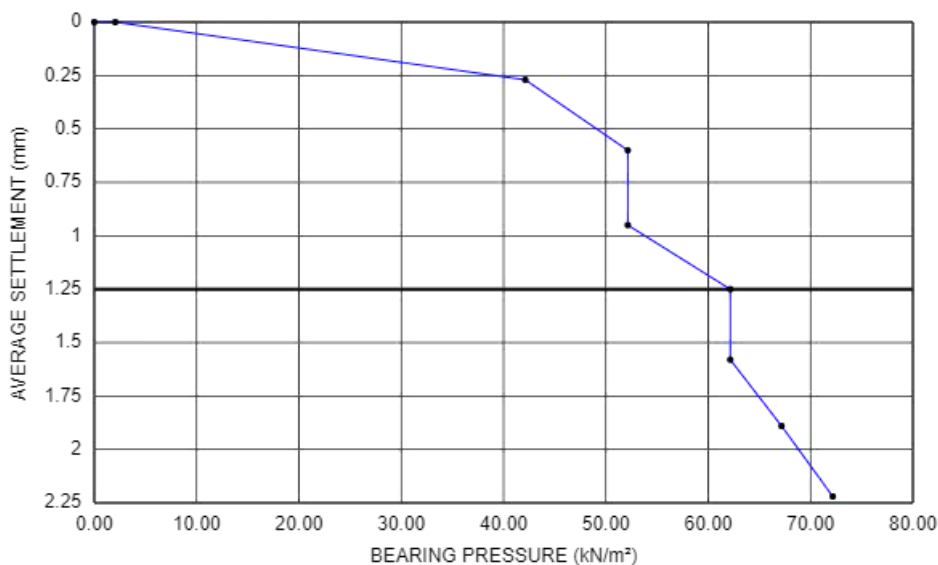
Equipment Details

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

Results

Max applied pressure: 72 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:

Test results reported relate only to the items tested.
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 Site foreman Gary requested 600mm

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)

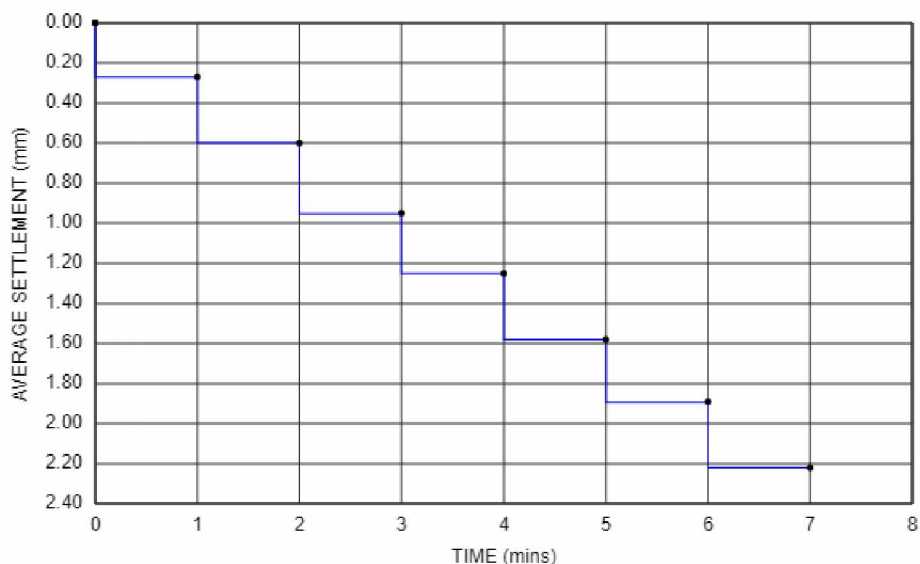
REPORT NUMBER:

C1055642 / 165071.2.1.1

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.1	42.1	-0.36	-0.26	-0.19	0.36	0.26	0.19	0.27
15.0	52.1	-0.71	-0.68	-0.41	0.71	0.68	0.41	0.60
15.0	52.1	-1.05	-1.13	-0.68	1.05	1.13	0.68	0.95
17.9	62.2	-1.32	-1.46	-0.97	1.32	1.46	0.97	1.25
17.9	62.2	-1.71	-1.81	-1.22	1.71	1.81	1.22	1.58
19.3	67.2	-2.02	-2.15	-1.51	2.02	2.15	1.51	1.89
20.7	72.2	-2.36	-2.49	-1.81	2.36	2.49	1.81	2.22

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Site foreman Gary requested 600mm

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
14-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 / 165071.2.1.2		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	F12 Foundation	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:	Yes

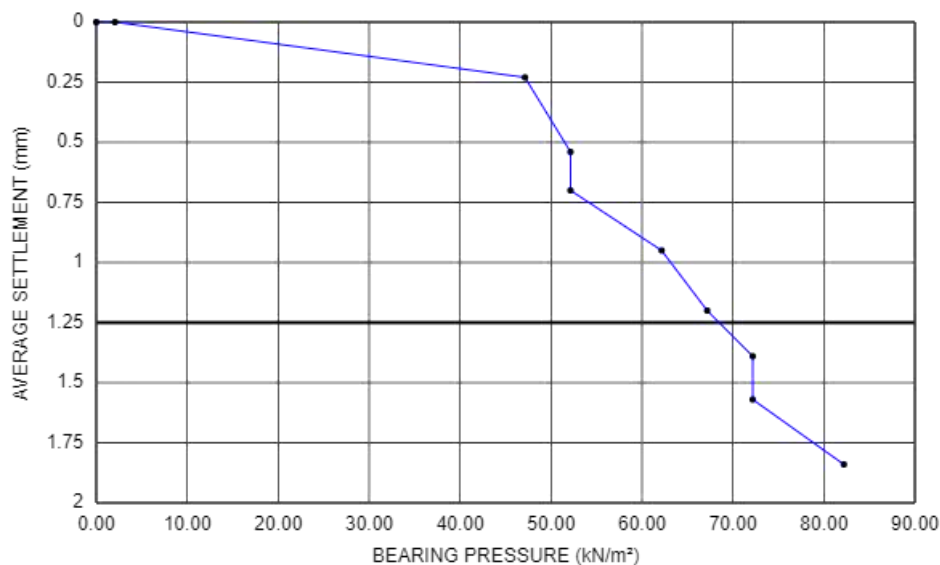
Equipment Details

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: 1.84 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 69 kN/m²
 Modulus of subgrade K762: 44 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 6.9%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.9 %

Remarks:

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 Site foreman Gary requested 600mm

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)

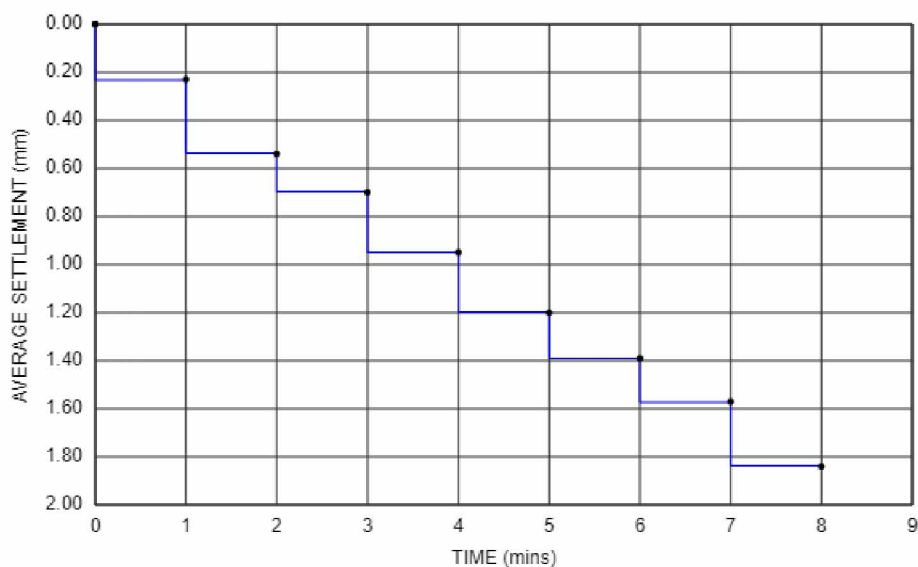
REPORT NUMBER:

C1055642 / 165071.2.1.2

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.5	47.1	-0.19	-0.36	-0.15	0.19	0.36	0.15	0.23
15.0	52.1	-0.81	-0.62	-0.18	0.81	0.62	0.18	0.54
15.0	52.1	-1.11	-0.75	-0.23	1.11	0.75	0.23	0.70
17.9	62.2	-1.48	-0.96	-0.41	1.48	0.96	0.41	0.95
19.3	67.2	-1.82	-1.13	-0.64	1.82	1.13	0.64	1.20
20.7	72.2	-2.12	-1.27	-0.78	2.12	1.27	0.78	1.39
20.7	72.2	-2.38	-1.40	-0.94	2.38	1.40	0.94	1.57
23.6	82.2	-2.75	-1.60	-1.16	2.75	1.60	1.16	1.84

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Site foreman Gary requested 600mm

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
14-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 / 165071.2.1.3		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	G12 Foundation	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

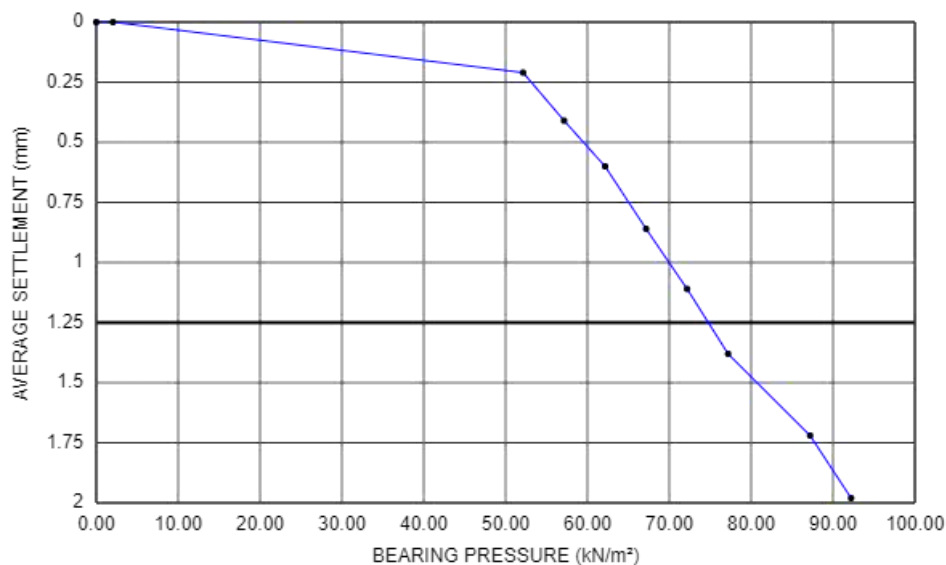
Equipment Details

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

Results

Max applied pressure: 92 kN/m²
 Max settlement: 1.98 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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 Site foreman Gary requested 600mm

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)

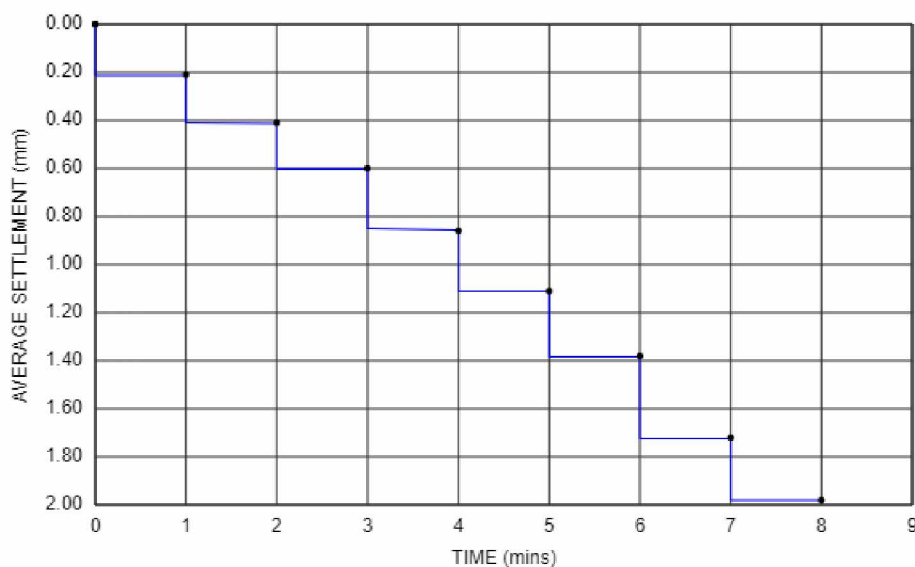
REPORT NUMBER:

C1055642 / 165071.2.1.3

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	-0.24	-0.27	-0.13	0.24	0.27	0.13	0.21
16.4	57.1	-0.55	-0.50	-0.19	0.55	0.50	0.19	0.41
17.9	62.2	-0.82	-0.67	-0.32	0.82	0.67	0.32	0.60
19.3	67.2	-1.13	-0.88	-0.56	1.13	0.88	0.56	0.86
20.7	72.2	-1.48	-1.08	-0.77	1.48	1.08	0.77	1.11
22.2	77.2	-1.80	-1.28	-1.07	1.80	1.28	1.07	1.38
25.1	87.2	-2.23	-1.58	-1.36	2.23	1.58	1.36	1.72
26.5	92.2	-2.55	-1.83	-1.56	2.55	1.83	1.56	1.98

SETTLEMENT RELATIONSHIP vs TIME


Remarks:

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 Site foreman Gary requested 600mm

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor



Approved Signatory
 14-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 / 165071.2.1.4		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	G11 Foundation	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:	Yes

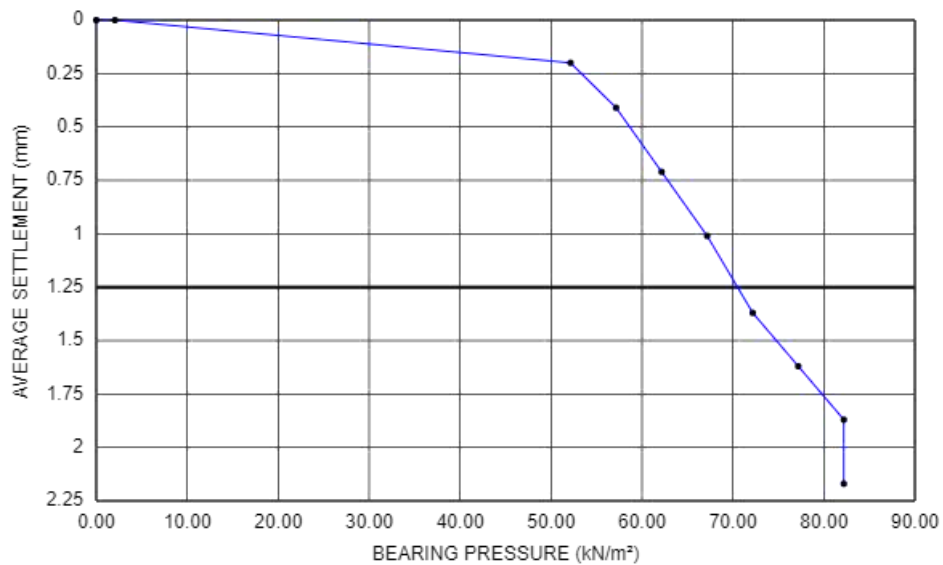
Equipment Details

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: 2.17 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 71 kN/m²
 Modulus of subgrade K762: 46 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.3%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.3 %

Remarks:

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 Site foreman Gary requested 600mm

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)

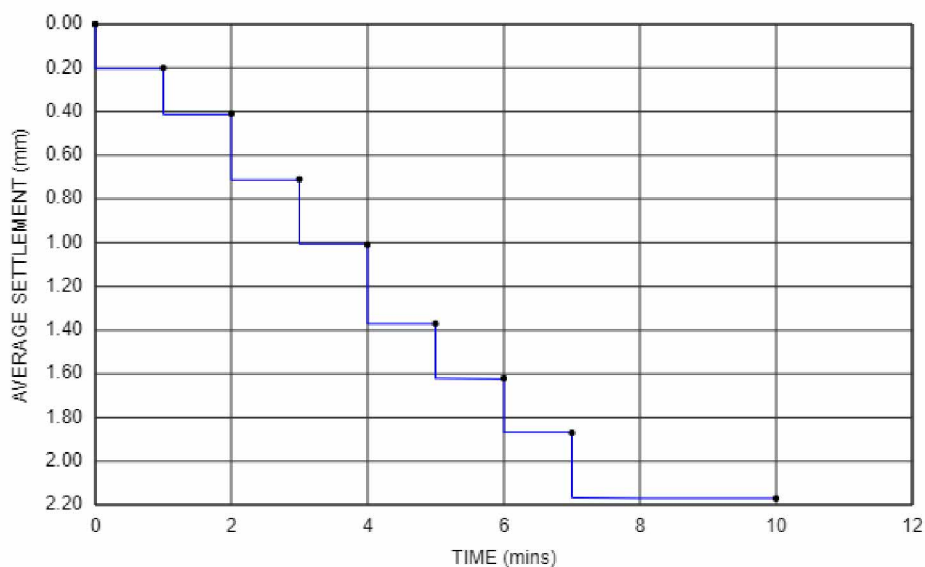
REPORT NUMBER:

C1055642 / 165071.2.1.4

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	52.1	-0.37	-0.03	-0.21	0.37	0.03	0.21	0.20
16.4	57.1	-0.71	-0.07	-0.46	0.71	0.07	0.46	0.41
17.9	62.2	-1.07	-0.21	-0.86	1.07	0.21	0.86	0.71
19.3	67.2	-1.35	-0.41	-1.26	1.35	0.41	1.26	1.01
20.7	72.2	-1.76	-0.56	-1.79	1.76	0.56	1.79	1.37
22.2	77.2	-2.06	-0.67	-2.14	2.06	0.67	2.14	1.62
23.6	82.2	-2.31	-0.80	-2.49	2.31	0.80	2.49	1.87
23.6	82.2	-2.77	-0.96	-2.78	2.77	0.96	2.78	2.17

SETTLEMENT RELATIONSHIP vs TIME



Remarks:

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Site foreman Gary requested 600mm

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
14-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 / 165071.2.1.5		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	F11 Foundation	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

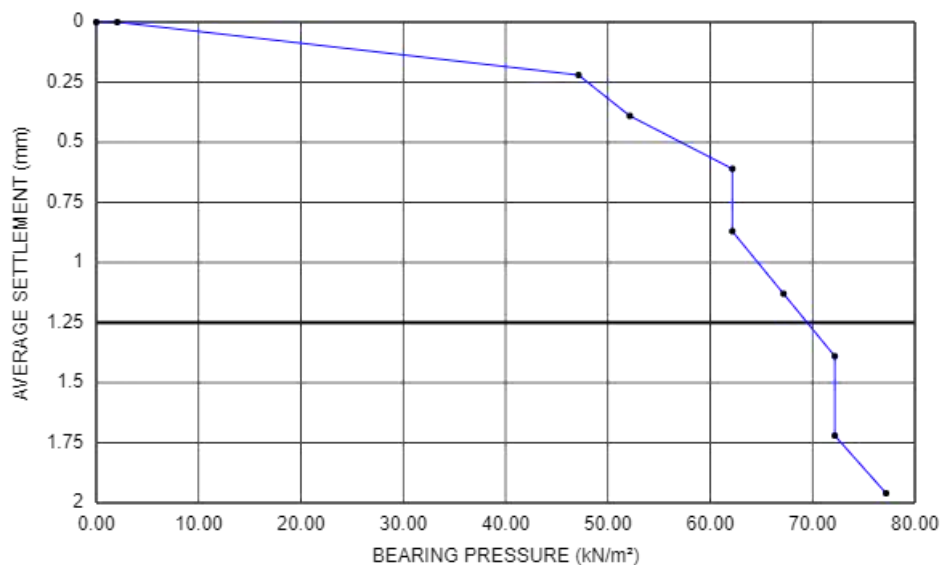
Equipment Details

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

Results

Max applied pressure: 77 kN/m²
 Max settlement: 1.96 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 69 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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 Site foreman Gary requested 600mm

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)

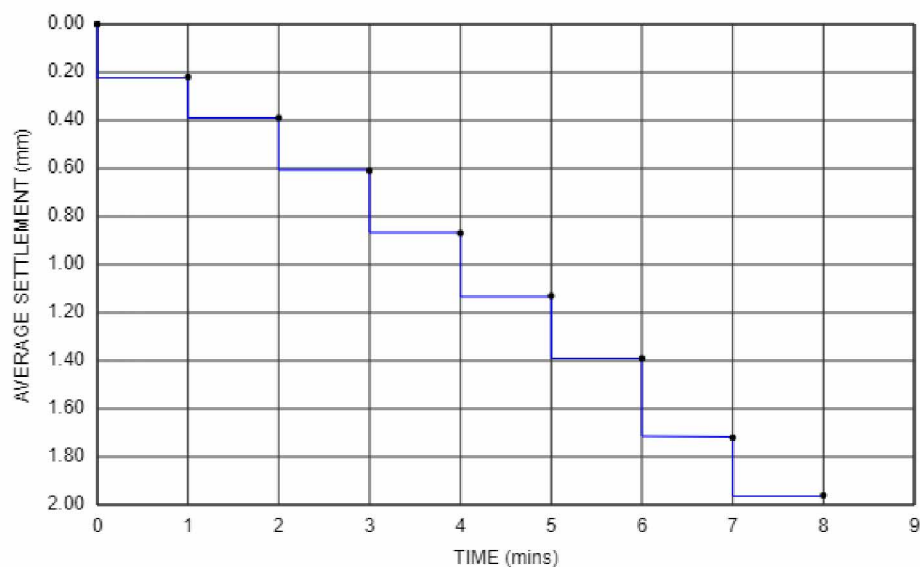
REPORT NUMBER:

C1055642 / 165071.2.1.5

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.5	47.1	-0.30	-0.34	-0.03	0.30	0.34	0.03	0.22
15.0	52.1	-0.52	-0.62	-0.03	0.52	0.62	0.03	0.39
17.9	62.2	-0.82	-0.97	-0.03	0.82	0.97	0.03	0.61
17.9	62.2	-1.20	-1.32	-0.08	1.20	1.32	0.08	0.87
19.3	67.2	-1.53	-1.61	-0.26	1.53	1.61	0.26	1.13
20.7	72.2	-1.77	-1.92	-0.48	1.77	1.92	0.48	1.39
20.7	72.2	-2.15	-2.28	-0.72	2.15	2.28	0.72	1.72
22.2	77.2	-2.38	-2.55	-0.96	2.38	2.55	0.96	1.96

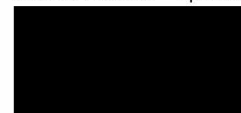
SETTLEMENT RELATIONSHIP vs TIME



Remarks:

Test results reported relate only to the items tested.
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Site foreman Gary requested 600mm

For and on behalf of CTS
Vincent Faulkner - Operations Supervisor



Approved Signatory
14-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 / 165071.2.1.6		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	G10 Foundation	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

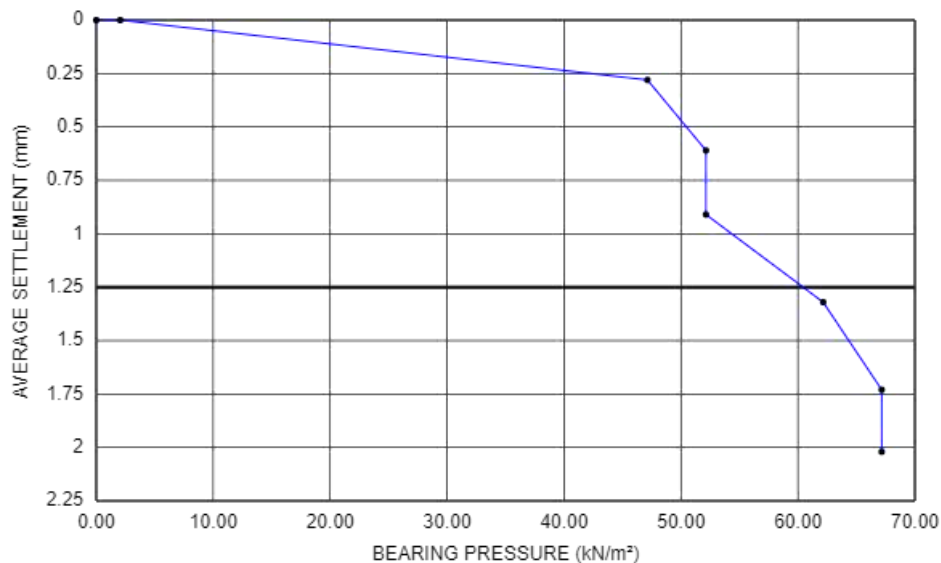
Equipment Details

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

Results

Max applied pressure: 67 kN/m²
 Max settlement: 2.02 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: 5.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 5.6 %

Remarks:

Test results reported relate only to the items tested.
 This report shall not be reproduced except in full without approval of the Laboratory.
 Site foreman Gary requested 600mm

TEST REPORT:
Determination of Equivalent CBR Value

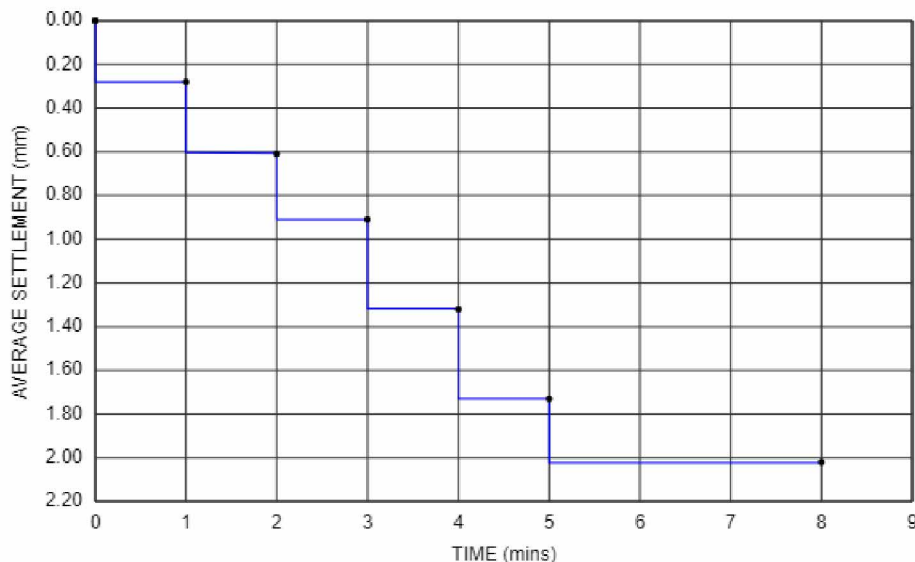
In-house Test Procedure STP S8 & Interim Advice Note 73/06 Revision 1 (2009) Design Guidance for Road Pavement Foundations (DRAFT HD25)

REPORT NUMBER:

C1055642 / 165071.2.1.6

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.5	47.1	-0.21	-0.31	-0.32	0.21	0.31	0.32	0.28
15.0	52.1	-0.47	-0.64	-0.71	0.47	0.64	0.71	0.61
15.0	52.1	-0.70	-0.95	-1.08	0.70	0.95	1.08	0.91
17.9	62.2	-1.03	-1.36	-1.56	1.03	1.36	1.56	1.32
19.3	67.2	-1.21	-1.88	-2.10	1.21	1.88	2.10	1.73
19.3	67.2	-1.37	-2.16	-2.54	1.37	2.16	2.54	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.
 Site foreman Gary requested 600mm

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor



Approved Signatory
 14-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 / 165071.2.1.7		
CLIENT REF:	1055642	CLIENT:	Collins Earthworks Limited
DATE COMPLETED:	13/01/2022	ADDRESS:	Whiteley Road, Ripley, Derbyshire, DE5 3QL
TESTED BY:	Mitchell Butler	SITE:	Havant, Portsmouth
LOCATION:	F10 Foundation	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

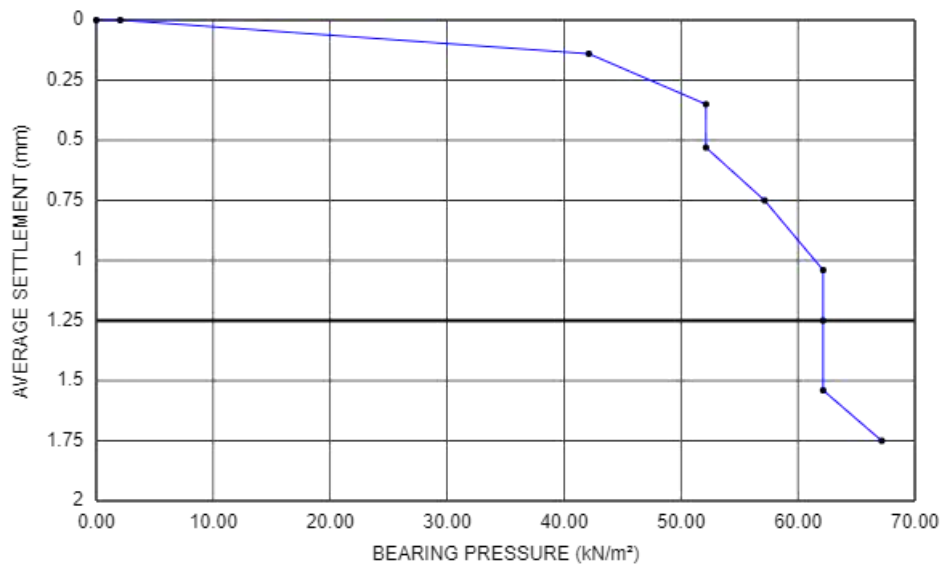
Equipment Details

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

Results

Max applied pressure: 67 kN/m²
 Max settlement: 1.75 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:

Test results reported relate only to the items tested.
 This report shall not be reproduced except in full without approval of the Laboratory.
 Site foreman Gary requested 600mm

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)

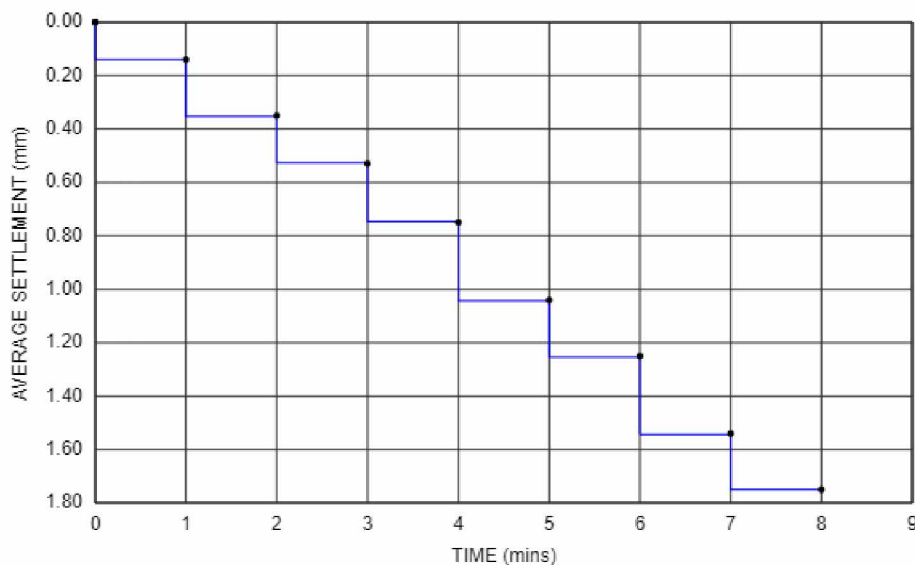
REPORT NUMBER:

C1055642 / 165071.2.1.7

TEST RESULTS

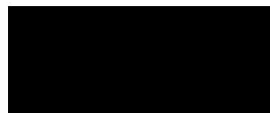
LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.1	42.1	-0.02	-0.37	-0.03	0.02	0.37	0.03	0.14
15.0	52.1	-0.24	-0.75	-0.07	0.24	0.75	0.07	0.35
15.0	52.1	-0.35	-1.13	-0.10	0.35	1.13	0.10	0.53
16.4	57.1	-0.49	-1.52	-0.23	0.49	1.52	0.23	0.75
17.9	62.2	-0.71	-1.99	-0.43	0.71	1.99	0.43	1.04
17.9	62.2	-0.84	-2.31	-0.61	0.84	2.31	0.61	1.25
17.9	62.2	-0.99	-2.66	-0.98	0.99	2.66	0.98	1.54
19.3	67.2	-1.09	-2.98	-1.18	1.09	2.98	1.18	1.75

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.
 Site foreman Gary requested 600mm

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor



Approved Signatory
 14-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 / 165623.1.1.1		
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:	F13	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

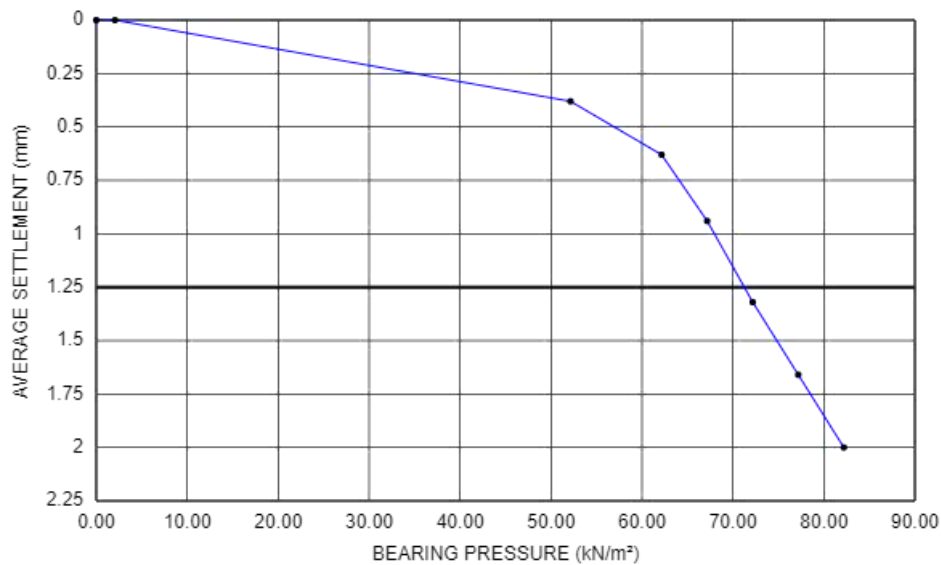
Equipment Details

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: 2.00 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 71 kN/m²
 Modulus of subgrade K762: 46 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 7.4%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 7.4 %

Remarks:

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

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)

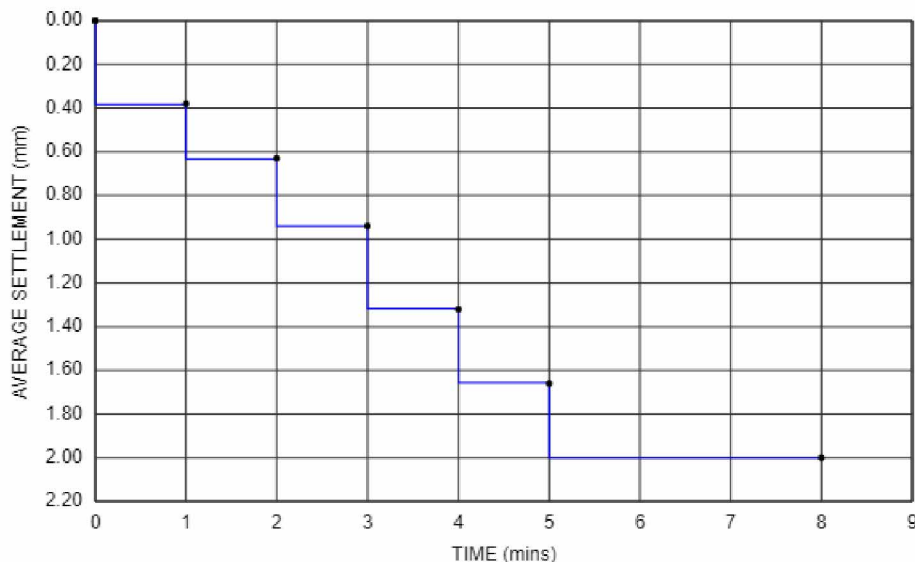
REPORT NUMBER:

C1055642 / 165623.1.1.1

TEST RESULTS

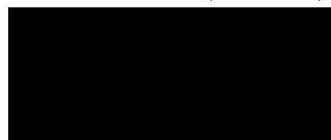
LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	52.1	-0.23	-0.58	-0.34	0.23	0.58	0.34	0.38
17.9	62.2	-0.47	-0.91	-0.52	0.47	0.91	0.52	0.63
19.3	67.2	-0.82	-1.28	-0.72	0.82	1.28	0.72	0.94
20.7	72.2	-1.25	-1.74	-0.96	1.25	1.74	0.96	1.32
22.2	77.2	-1.63	-2.12	-1.22	1.63	2.12	1.22	1.66
23.6	82.2	-2.05	-2.50	-1.45	2.05	2.50	1.45	2.00

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.
 Ground is frozen
 Amended report. This test report supersedes test report version 1 - Typo

For and on behalf of CTS
 Vincent Faulkner - Operations Supervisor



19-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 / 165623.1.1.2		
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:	G13	MATERIAL:	Crushed stone/clay
DISTANCE FROM EDGE OF PLATE TO WALL:	N/A	SUPPLIER:	Site Won
TEST METHOD:	Incremental Plate Loading	SOURCE:	Not Specified
SAMPLING PLAN:	Client Specification	SAMPLE TAKEN:	No

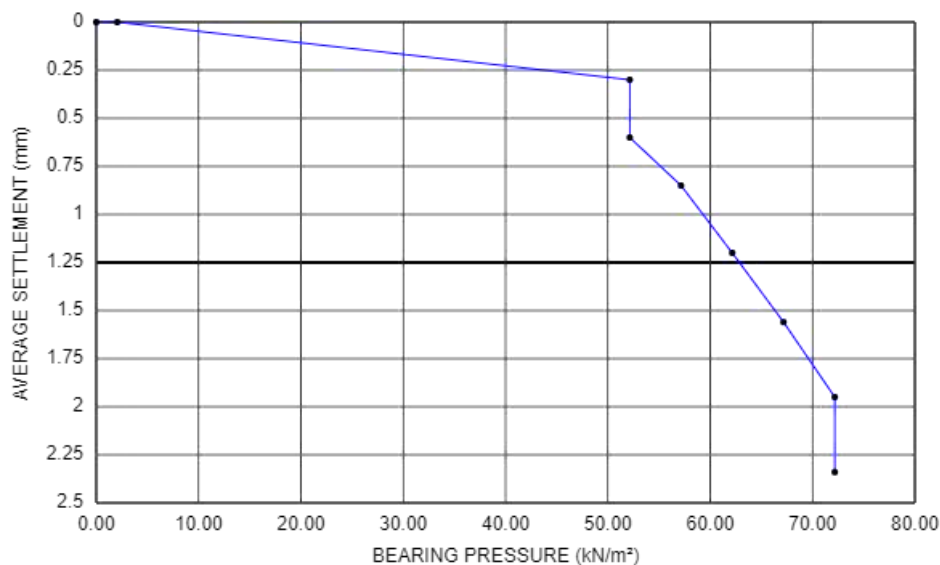
Equipment Details

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

Results

Max applied pressure: 72 kN/m²
 Max settlement: 2.34 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: 6.0%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 6.0 %

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)

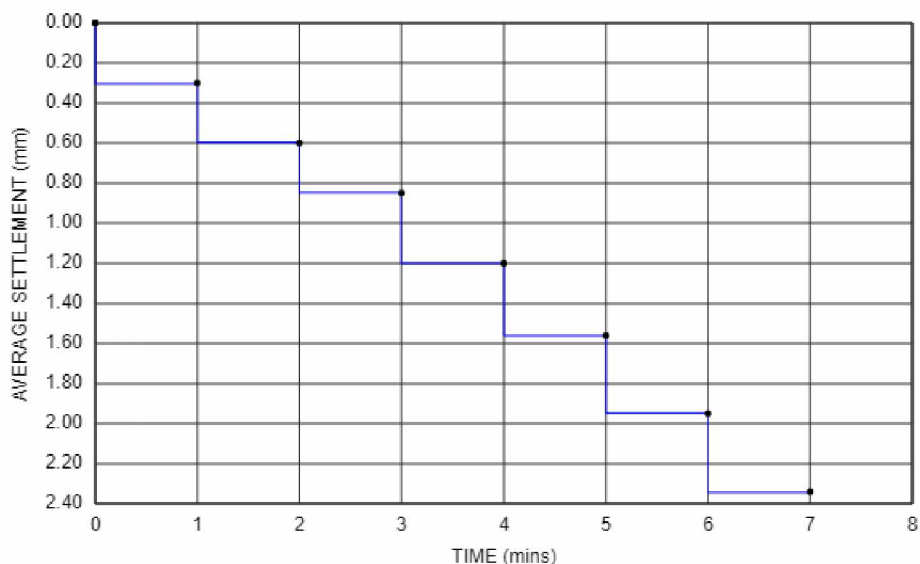
REPORT NUMBER:

C1055642 / 165623.1.1.2

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
0.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	52.1	-0.09	-0.59	-0.23	0.09	0.59	0.23	0.30
15.0	52.1	-0.40	-0.92	-0.47	0.40	0.92	0.47	0.60
16.4	57.1	-0.68	-1.18	-0.68	0.68	1.18	0.68	0.85
17.9	62.2	-1.06	-1.57	-0.97	1.06	1.57	0.97	1.20
19.3	67.2	-1.47	-1.95	-1.26	1.47	1.95	1.26	1.56
20.7	72.2	-1.88	-2.38	-1.58	1.88	2.38	1.58	1.95
20.7	72.2	-2.33	-2.77	-1.93	2.33	2.77	1.93	2.34

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



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 / 168578.1.1.1		
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:	F8 - 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

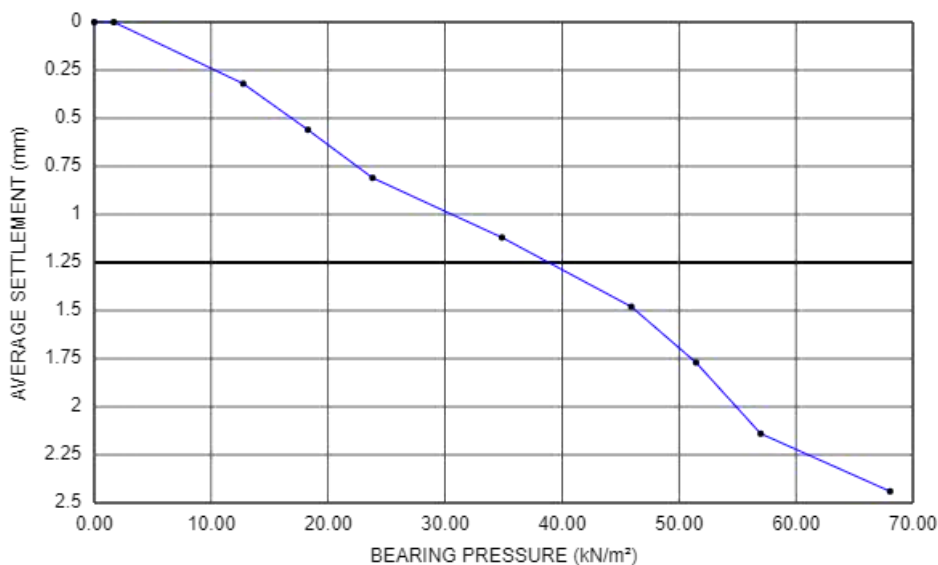
Equipment Details

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

Results

Max applied pressure: 68 kN/m²
 Max settlement: 2.44 mm
 Avg Bearing Pressure (P) at 1.25mm penetration: 39 kN/m²
 Modulus of subgrade K762: 25 kN/m²/mm
 Equivalent C.B.R Value at 1.25mm penetration: 2.6%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: 2.6 %

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)

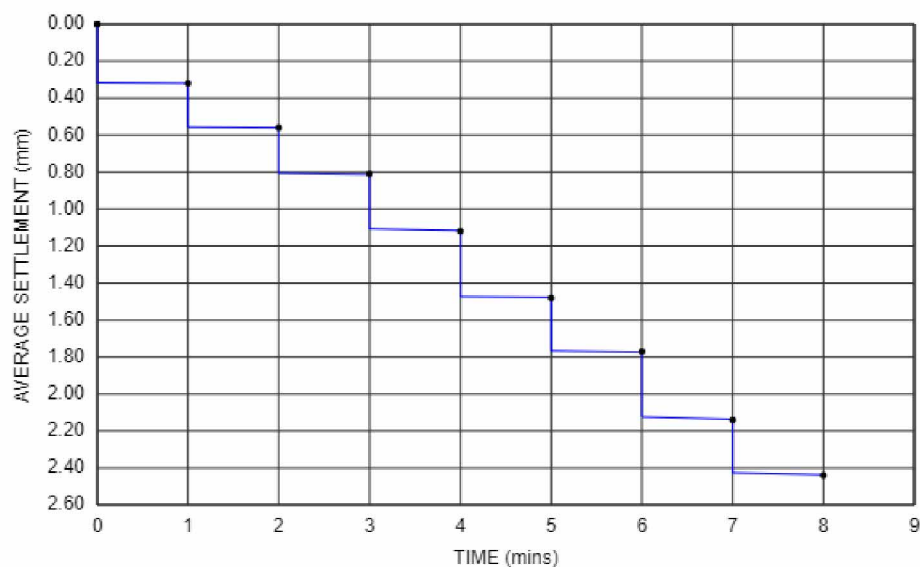
REPORT NUMBER:

C1055642 / 168578.1.1.1

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	12.7	-0.47	-0.39	-0.10	0.47	0.39	0.10	0.32
5.2	18.3	-0.69	-0.71	-0.28	0.69	0.71	0.28	0.56
6.7	23.8	-0.99	-1.00	-0.45	0.99	1.00	0.45	0.81
9.9	34.9	-1.29	-1.35	-0.71	1.29	1.35	0.71	1.12
13.0	45.9	-1.67	-1.76	-1.00	1.67	1.76	1.00	1.48
14.5	51.5	-1.99	-2.02	-1.31	1.99	2.02	1.31	1.77
16.1	57.0	-2.29	-2.43	-1.69	2.29	2.43	1.69	2.14
19.2	68.1	-2.52	-2.80	-1.99	2.52	2.80	1.99	2.44

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 [REDACTED] as Supervisor

Approved Signatory

Report date 25-Jan-22



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