

Diameter (D) : 7,1 cm

Volume (V) : 562,21 cm³

Moisture (%) : 7,5

Initial Area : 39,59 cm²

Weight : 1308 gr

Dry Unit Weight : 2,165 gr/cm³

High of Spec : 14,2 cm

Unit Weight : 2,327 gr/cm³

Kalibrasi : 18,586 kg\

| Deformati on Dial reading (...x10 ²) | Dial Load (Read) | Sampel Deformation D L (cm) | Unit Strain DL/Lo (%) | Time (Minu tes) | Correct ed Area (cm ²) (a) | Total load on Sampel (kg) (b) | Strength of Total Unit | |
|--|------------------|-----------------------------|-----------------------|-----------------|--|-------------------------------|---------------------------|------|
| | | | | | | | Kg/c m ² (b/a) | MPa |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 22 | 0,071 | 0,5 | 0,5 | 39,79 | 408,9 | 10,28 | 1,03 |
| 142 | 50 | 0,142 | 1 | 1 | 39,99 | 929,3 | 23,24 | 2,32 |
| 213 | 72 | 0,213 | 1,5 | 1,5 | 40,19 | 1338,2 | 33,29 | 3,33 |
| 284 | 95 | 0,284 | 2 | 2 | 40,40 | 1765,7 | 43,70 | 4,37 |

Perhitungan :

$$\begin{aligned} \text{Intial area} &= \frac{1}{4} \pi D^2 \\ &= \frac{1}{4} \pi (7,1)^2 \\ &= 39,59 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \text{VOLUME} &= \text{Initial area} \times \text{High of Spec} \\ &= 39,59 \times 14,2 \\ &= 562,21 \text{ cm}^3 \end{aligned}$$

$$\text{Unit Weight} = \frac{\text{Weight}}{\text{Volume}}$$

$$= \frac{1308}{562,21}$$

$$= 2,327 \text{ kg/cm}^3$$

Dry Unit Weight

$$= \frac{\text{Unit Weight}}{1 + \frac{\text{Moisture}}{100}}$$

$$= \frac{2,327}{1 + \frac{7,5}{100}}$$

$$= 2,165 \text{ gr/cm}^3$$

Sample Deformation

$$= \frac{\text{Unit Strain}}{100} \times \text{High of Spec}$$

$$= \frac{0,5}{100} \times 14,2$$

$$= 0,071 \text{ cm}$$

Deformation Dial Reading

$$= \text{Sample Deformation} \times 1000$$

$$= 0,071 \times 1000$$

$$= 71$$

Corrected Area

$$= \frac{\text{Initial Area}}{1 - \left(\frac{\text{Unit Strain}}{100}\right)}$$

$$= \frac{39,59}{1 - \left(\frac{0,5}{100}\right)}$$

$$= 39,79 \text{ cm}^2$$

Total Load on Sampel

$$= \text{Kalibrasi} \times \text{Dial Load}$$

$$= 18,586 \times 22$$

$$= 408,9 \text{ kg}$$





CORE DRILL CTRB



PROJECT : IBRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IBRD - SRIP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 06-17/12A-SRIP-GRS/OE/A/7786(4834)/11-11

DATE : 28 November 2012
 TESTED BY : Lab CI
 WORK ITEM : CTRB

| No. | STA | Postel | Ketebalan Inti Core (m) | Kedalaman Core (m) | Keterangan |
|-----|---------|--------|---------------------------|----------------------|------------|
| 1 | 04+200 | RL | 0,296 | 0,296 | OK |
| 2 | 04+150 | RL | 0,295 | 0,295 | OK |
| 3 | 04+100 | RL | 0,298 | 0,298 | OK |
| 4 | 04+050 | RL | 0,303 | 0,303 | OK |
| 5 | 04+000 | RL | 0,305 | 0,305 | OK |
| 6 | 3 + 950 | RL | 0,306 | 0,306 | OK |
| 7 | 03+900 | RL | 0,304 | 0,304 | OK |
| 8 | 03+850 | RL | 0,297 | 0,297 | OK |
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|---|--|---|
| Dibuat oleh: Contractor PT. CONSILOC INFRA TECNO | Diperiksa oleh: Consultant PT. CEPTA STRADA | Disetujui oleh: Direktur Pekerjaan Umum BIDANG BINA MARGA |
|  Situsu Lab. Tech. |  Suhun Yun Site Inspector | |
| Ditv. Aswar R Quality Control | | |



SUMMARY OF TEST



PROJECT : IRBD Strategic Road Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IRBD - SRIP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 0417/12A-SRIP-023/CE/17786/0834/11-12

DATE : 07 December 2012
 TESTED BY : Lab CI
 WORKITEM : CT18
 CEMENT : 7.9%

| No | Tgl/Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (beas) | Beban (kg) | Loss (mm) | Strength | |
|---------|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-----------|--------------------|---------|
| | | | | | | | | | | Kg/Cm ² | MPa |
| 1 | 07-Dec-12 | 14-Dec-12 | 7 | 1308 | 562,21 | 2,327 | 96 | 1765,67 | 40,40 | 49,70 | 4,37051 |
| 2 | 07-Dec-12 | 14-Dec-12 | 7 | 1308,8 | 562,21 | 2,328 | 98 | 1765,67 | 40,40 | 49,70 | 4,37051 |
| 3 | 07-Dec-12 | 14-Dec-12 | 7 | 1304,9 | 562,21 | 2,321 | 92 | 1709,91 | 40,40 | 42,92 | 4,23251 |
| 4 | 07-Dec-12 | 14-Dec-12 | 7 | 1302,8 | 562,21 | 2,317 | 96 | 1766,67 | 40,61 | 49,48 | 4,34821 |
| 5 | 07-Dec-12 | 14-Dec-12 | 7 | 1306,8 | 562,21 | 2,328 | 98 | 1728,90 | 40,40 | 42,78 | 4,27851 |
| 6 | 07-Dec-12 | 14-Dec-12 | 7 | 1308,7 | 562,21 | 2,328 | 109 | 2025,87 | 40,61 | 49,69 | 4,96901 |
| Average | | | | | | | | | | | |

Dibuat oleh:
 Contractor
 PT. CONBLOC INFRASTRUKTUR

[Signature]
 M. H. A. R. K.

Quality Control

Diperiksa oleh:
 Consultant
 PT. CIPTA STRADA

[Signature]

Lab. Tech.

Direktori oleh:
 Director Paker-Jain Umum
 BIDANG BINA MARGA

[Signature]

Site Inspector



SUMMARY OF TEST



PROJECT : IIRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IIRD - SRIP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 0157/12A-SRIP-SR3/CE/A/7786(4834)/11-12

DATE : 08 Desember 2012
 TESTED BY : Lab CE
 WORK ITEM : CTRB
 CEMENT : 7.5%

| No | Tgl/Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit-Weight (Net-Density) | Load (ton) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|------------|------------|-------------------------|--------------------|--------|
| | | | | | | | | | | Kg/Cm ² | MPa |
| 1 | 08-Dec-12 | 15-Dec-12 | 7 | 1309,7 | 562,21 | 2,330 | 95 | 1785,67 | 40,61 | 43,48 | 4,3462 |
| 2 | 08-Dec-12 | 15-Dec-12 | 7 | 1309,9 | 562,21 | 2,330 | 95 | 1785,67 | 40,61 | 43,48 | 4,3462 |
| 3 | 08-Dec-12 | 15-Dec-12 | 7 | 1307,8 | 562,21 | 2,326 | 96 | 1821,43 | 40,40 | 45,08 | 4,5081 |
| 4 | 08-Dec-12 | 15-Dec-12 | 7 | 1311 | 562,21 | 2,332 | 95 | 1785,67 | 40,61 | 43,48 | 4,3462 |
| 5 | 08-Dec-12 | 15-Dec-12 | 7 | 1315 | 562,21 | 2,339 | 95 | 1785,67 | 40,40 | 43,70 | 4,3705 |
| 6 | 08-Dec-12 | 15-Dec-12 | 7 | 1299,7 | 562,21 | 2,312 | 95 | 1785,67 | 40,61 | 43,48 | 4,3462 |
| | | | | | | | | | | 43,48 | 4,3462 |

Dibuat oleh:
 Contractor
 PT. CONBLOC INFRA TECNO

 Quality Control

Diperiksa oleh:
 Consultant
 PT. CIPTA STRADA

 Lab. Tech.

Dievaluasi oleh:
 Dinas Pekerjaan Umum
 BIDANG BINA MASSA

 Site Inspector



SUMMARY OF TEST



DATE : 09 Desember 2012
 TESTED BY : Lab CI
 WORK ITEM : CTRB
 CEMENT : 7.9%

PROJECT : IERD Strategic Road Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IERD - SRIP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO. : 01/17/12A-SRIP-03/CE/2/7786(4834)/11-12

| No | Tgl/Produksi | Tanggal Uji | Luar (hect) | Weight | Volume | Unit Weight (Net Density) | Lead (boon) | Beban (kg) | Luar (cm2) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|------------|--------------------|--------|
| | | | | | | | | | | kg/cm ² | MPA |
| 1 | 09-Des-12 | 16-Des-12 | 7 | 1313,1 | 562,21 | 2,336 | 90 | 1765,57 | 40,61 | 43,48 | 4,3482 |
| 2 | 09-Des-12 | 16-Des-12 | 7 | 1324,5 | 562,21 | 2,356 | 90 | 1672,74 | 40,61 | 41,19 | 4,1193 |
| 3 | 09-Des-12 | 16-Des-12 | 7 | 1315,0 | 562,21 | 2,340 | 91 | 1691,33 | 40,40 | 41,86 | 4,1865 |
| 4 | 09-Des-12 | 16-Des-12 | 7 | 1314,2 | 562,21 | 2,338 | 100 | 1859,60 | 40,61 | 46,77 | 4,6770 |
| 5 | 09-Des-12 | 16-Des-12 | 7 | 1302,7 | 562,21 | 2,317 | 91 | 1691,33 | 40,40 | 41,86 | 4,1865 |
| 6 | 09-Des-12 | 16-Des-12 | 7 | 1331,1 | 562,21 | 2,403 | 92 | 1709,91 | 40,61 | 42,11 | 4,2109 |
| | | | | | | | | | | 42,74 | |

| | | |
|--|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRASTRUKSI | Diperiksa oleh: Consultant PT. CIPTA STRADA | Dianalisis oleh: Dinas Pekerjaan Umum BIDANG BINA MASSA |
| <i>[Signature]</i> Proy. APN/AT Quality Control | <i>[Signature]</i> S.S. Tech. | <i>[Signature]</i> Site Inspector |






SUMMARY OF TEST



PROJECT : IBRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IBRD - SRIP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 015/1/12A-SRIP-GR3/CE/A/7786(4834)/11-12

DATE : 10 Desember 2012
 TESTED BY : Lab CI
 WORK ITEM : CTR8
 CEMENT : 7.5%

| No | Tgl/Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (baca) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-------------------------|--------------------|---------|
| | | | | | | | | | | Kg/Cm ² | MPA |
| 1 | 10-Dec-12 | 17-Dec-12 | 7 | 1298,9 | 562,21 | 2,310 | 94 | 1747,08 | 40,61 | 43,02 | 4,30241 |
| 2 | 10-Dec-12 | 17-Dec-12 | 7 | 1318,8 | 562,21 | 2,346 | 90 | 1672,74 | 40,61 | 41,19 | 4,1193 |
| 3 | 10-Dec-12 | 17-Dec-12 | 7 | 1299,9 | 562,21 | 2,312 | 89 | 1654,15 | 40,40 | 40,94 | 4,09441 |
| 4 | 10-Dec-12 | 17-Dec-12 | 7 | 1298,9 | 562,21 | 2,310 | 89 | 1654,15 | 40,61 | 40,74 | 4,07361 |
| 5 | 10-Dec-12 | 17-Dec-12 | 7 | 1311,2 | 562,21 | 2,332 | 93 | 1728,80 | 40,40 | 42,78 | 4,2785 |
| 6 | 10-Dec-12 | 17-Dec-12 | 7 | 1301,1 | 562,21 | 2,314 | 88 | 1635,37 | 40,61 | 40,28 | 4,0278 |
| | | | | | | | | | | 41,49 | 4,1493 |

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRA TECHNOLOGI  Dicky Aswar Quality Control | Diperiksa oleh: Consultant PT. CIPTA STRADA  Lab. Tech. | Diuji oleh: Binaa Pekerjaan Umum BIDANG BINA MARGA  Site Inspector |
|---|---|---|



SUMMARY OF TEST



PROJECT : IBRD Strategic Roads Infrastructure Project
SUB PROJECT : BANDAR LAMPUNG BYPASS
FUND SOURCE : IBRD - SRIP dan APBN
PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
PACKAGE NO : 015/1712A-SRIP-GR3/CE/A/7786(4834)/11-12

DATE : 11 Desember 2012
TESTED BY : Lab CI
WORK ITEM : CTR8
CEMENT : 7,9%

| No | Tgl/Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (becc) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-------------------------|--------------------|---------|
| | | | | | | | | | | Kg/Cm ² | MPA |
| 1 | 11-Dec-12 | 18-Dec-12 | 7 | 1315 | 562,21 | 2,339 | 101 | 1877,99 | 40,61 | 46,23 | 4,62281 |
| 2 | 11-Dec-12 | 18-Dec-12 | 7 | 1332 | 562,21 | 2,369 | 106 | 1970,12 | 40,61 | 48,52 | 4,8517 |
| 3 | 11-Dec-12 | 18-Dec-12 | 7 | 1324 | 562,21 | 2,395 | 98 | 1821,43 | 40,40 | 45,08 | 4,5085 |
| 4 | 11-Dec-12 | 18-Dec-12 | 7 | 1341 | 562,21 | 2,385 | 106 | 1970,12 | 40,61 | 48,52 | 4,8517 |
| 5 | 11-Dec-12 | 18-Dec-12 | 7 | 1331 | 562,21 | 2,367 | 99 | 1840,01 | 40,40 | 45,54 | 4,5545 |
| 6 | 11-Dec-12 | 18-Dec-12 | 7 | 1395 | 562,21 | 2,375 | 103 | 1914,36 | 40,61 | 47,14 | 4,7143 |
| | | | | | | | | | | 46,84 | 4,6839 |

Dibuat oleh:
Contractor
PT. CONBLOC INFRA TECNO

Prady Asude
Quality Control

Diperiksa oleh:
Consultant
PT. CPTA STRADA

John
Lab. Tech.

Disetujui oleh:
Dinas Pekerjaan Umum
BIDANG BINA MARGA

Kusy.
Site Inspector



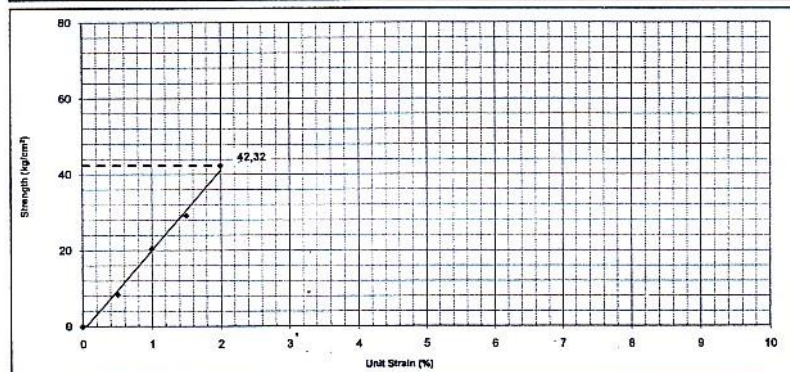
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 07 Desember 2012 3
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 14 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTRB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 4+200 sampai 3+840 360 meter
 PACKAGE NO : 01-17/12A-SRIP-6P3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 7,9%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spec : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1304,9 gr Unit weight : 2,321 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,160 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (...x10 ³) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / L ₀ (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------------|-------------------------------------|--|------------------|--|--|--------------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 18 | 0,071 | 0,5 | 0,5 | 39,79 | 334,5 | 8,41 | 0,84 |
| 142 | 44 | 0,142 | 1 | 1 | 39,99 | 817,8 | 20,45 | 2,04 |
| 213 | 63 | 0,213 | 1,5 | 1,5 | 40,19 | 1170,9 | 29,13 | 2,91 |
| 284 | 92 | 0,284 | 2 | 2 | 40,40 | 1709,9 | 42,32 | 4,23 |



Notes:

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRA TECNO | Diperiksa oleh: Consultant PT. CIPTA STRADA | Disetujui oleh: Direktur Pekerjaan Umum BIDANG BINA MARGA |
| Dedy ANWAR Quality Control | Lab. Tech. | Site Inspector |



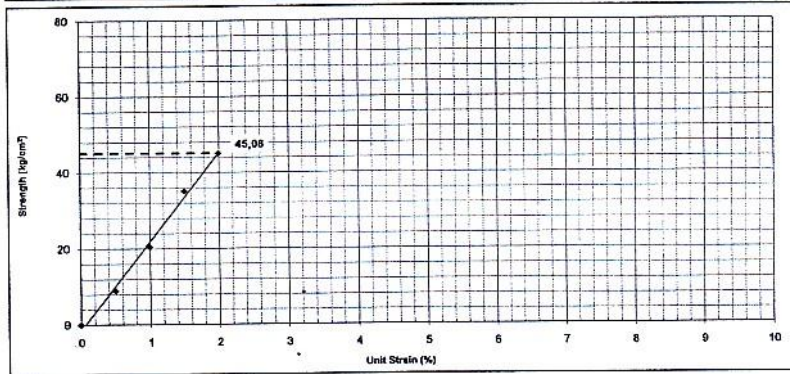
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 08 Desember 2012 3
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 15 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTRB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 3+570 sampai 3+200 370 meter
 PACKAGE NO : 01-17/12A-SRIP-GP3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 7,9%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Hight of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1307,8 gr Unit weight : 2,326 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,164 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (...x10 ²) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------------|-------------------------------------|----------------------------------|------------------|--|--|--------------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 19 | 0,071 | 0,5 | 0,5 | 39,79 | 353,1 | 8,87 | 0,89 |
| 142 | 44 | 0,142 | 1 | 1 | 39,99 | 817,8 | 20,45 | 2,04 |
| 213 | 76 | 0,213 | 1,5 | 1,5 | 40,19 | 1412,5 | 35,14 | 3,51 |
| 284 | 98 | 0,284 | 2 | 2 | 40,40 | 1821,4 | 45,08 | 4,51 |



Notes:

| | | |
|---|---|--|
| Dibuat oleh: Contractor PT. CONBLOC INFRA TECNO | Diperiksa oleh: Consultant PT. CIPTA STRADA | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA |
| Quality Control | Lab. Tech. | Site Inspector |



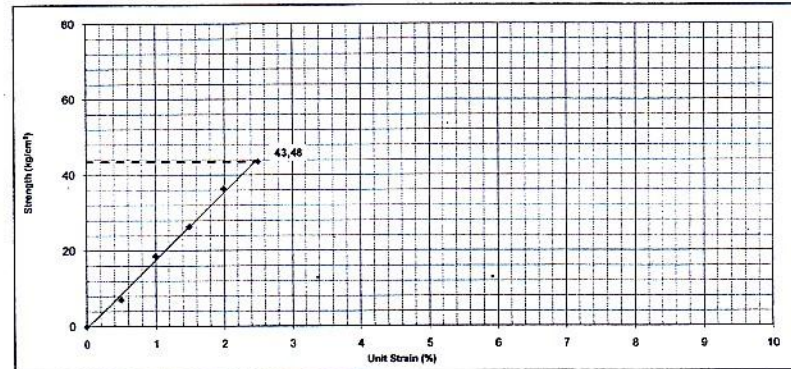
UCS (kg/cm²)



| | | | | |
|--------------|---|-----------------|----------------------|-----------|
| PROJECT | : IBRD Strategic Roads Infrastructure Project | DATE OF PRODUCT | : 09 Desember 2012 | 1 |
| SUB PROJECT | : BANDAR LAMPUNG BYPASS | DATE OF TESTING | : 14 Desember 2012 | |
| FUND SOURCE | : IBRD - SRIP dan APBN | WORK ITEM | : CTRB | |
| PACKAGE NAME | : BANDAR LAMPUNG BYPASS - A | STA | : 3+200 sampai 2+900 | 300 meter |
| PACKAGE NO | : 01-17/12A-SRIP-0P3/CE/A/7786(4834)/11-11 | CEMENT CONTENT | : 7,9% | |

| | | | | | |
|--------------|-------------|-----------------|----------------------------|--------------|----------------------------|
| Diameter (D) | : 7,1 cm | Initial Area | : 39,59 cm ² | Hight of Spc | : 14,2 cm |
| Volume (V) | : 562,21 cm | Weight | : 1313,1 gr | Unit weight | : 2,336 gr/cm ³ |
| Moisture (%) | : 7,2 | Dry Unit Weight | : 2,179 gr/cm ³ | Kalibrasi | : 18,586 kg |

| Deformation Dial reading (.....x10 ³) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------|-----------------------------|--------------------------|---------------|---------------------------------------|-------------------------------|-----------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 15 | 0,071 | 0,5 | 0,5 | 39,79 | 278,8 | 7,01 | 0,70 |
| 142 | 40 | 0,142 | 1 | 1 | 39,99 | 743,4 | 18,59 | 1,86 |
| 213 | 57 | 0,213 | 1,5 | 1,5 | 40,19 | 1059,4 | 26,36 | 2,64 |
| 284 | 79 | 0,284 | 2 | 2 | 40,40 | 1468,3 | 36,34 | 3,63 |
| 355 | 95 | 0,355 | 2,5 | 2,5 | 40,61 | 1765,7 | 43,48 | 4,35 |



Notes:

| | | |
|---|---|--|
| Dibuat oleh: Contractor PT. CONBLOC INFRASTRUKTUR | Diperiksa oleh: Consultant PT. CIPTA STRADA | Diterujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA |
| Dicky Aswath Quality Control | Lab. Tech. | Site Inspector |



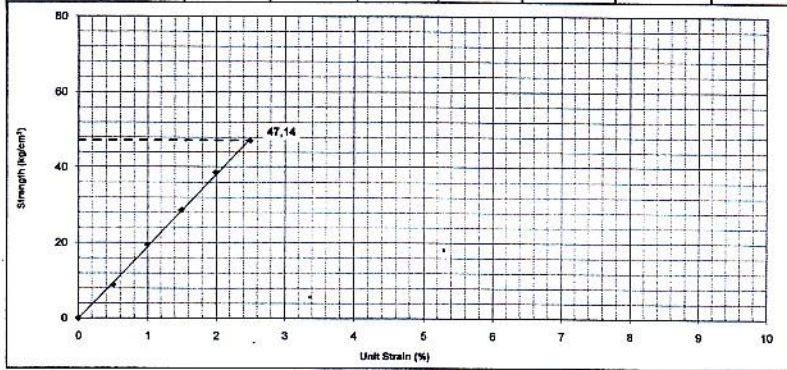
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 11 Desember 2012 6
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 18 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTRB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 2+344 sampel 2x175 169 meter
 PACKAGE NO : DL-17/12A-SRIP-6P3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 7,9%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1335,0 gr Unit weight : 2,375 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,209 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (.....x10 ²) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------|-----------------------------|--------------------------|---------------|---------------------------------------|-------------------------------|-----------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 19 | 0,071 | 0,5 | 0,5 | 39,79 | 353,1 | 8,87 | 0,89 |
| 142 | 42 | 0,142 | 1 | 1 | 39,99 | 780,6 | 19,52 | 1,95 |
| 213 | 62 | 0,213 | 1,5 | 1,5 | 40,19 | 1152,3 | 28,67 | 2,87 |
| 284 | 84 | 0,284 | 2 | 2 | 40,40 | 1561,2 | 38,64 | 3,86 |
| 355 | 103 | 0,355 | 2,5 | 2,5 | 40,61 | 1914,3 | 47,14 | 4,71 |



Notes;

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRASTRUKTUR | Diperiksa oleh: Consultant PT. CIPTA STRADA | Ditetujui oleh: Direktur Pekerjaan Umum BIDANG BINA MARGA |
| Quality Control | Lab. Tech. | Site Inspector |



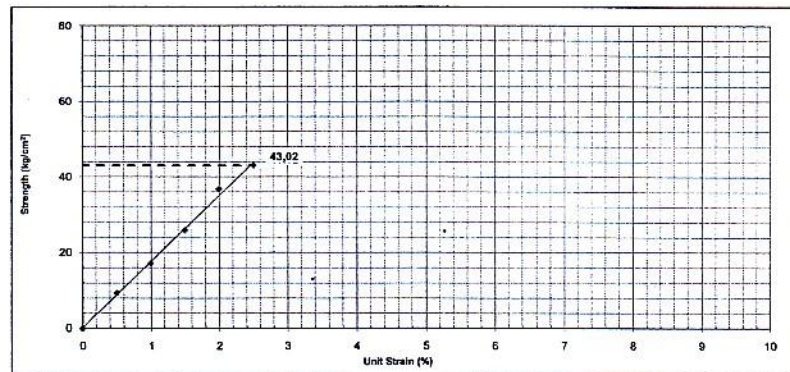
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 10 Desember 2012
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 17 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTRB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 2+900 sampel 2+344 556 meter
 PACKAGE NO : 01-17/12A-SRIP-GP3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 7.9%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1298,9 gr Unit weight : 2,310 gr/cm³
 Moisture (%) : 6,9 Dry Unit Weight : 2,161 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (...x10 ³) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------------|-----------------------------------|--------------------------------|------------------|--|--|--------------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 20 | 0,071 | 0,5 | 0,5 | 39,79 | 371,7 | 9,34 | 0,93 |
| 142 | 37 | 0,142 | 1 | 1 | 39,99 | 687,7 | 17,20 | 1,72 |
| 213 | 56 | 0,213 | 1,5 | 1,5 | 40,19 | 1040,8 | 25,89 | 2,59 |
| 284 | 80 | 0,284 | 2 | 2 | 40,40 | 1486,9 | 36,80 | 3,68 |
| 355 | 94 | 0,355 | 2,5 | 2,5 | 40,61 | 1747,1 | 43,02 | 4,30 |



Notes:

| | | |
|---|---|--|
| Dibuat oleh: Contractor PT. CONBLOC INFRA TECNO | Diperiksa oleh: Consultant PT. CEPTA STRADA | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA |
| Picky ANWAR Quality Control | Lab. Tech. | Site Inspector |




SUMMARY OF TEST





PROJECT : IBRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IBRD - SRP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 01-17/12A-SRTP-6P3/CE/A/7786(4834)/11-12

DATE : 07 Desember 2012
 TESTED BY : Lab CI
 WORK ITEM : CTB
 CEMENT : 6.5%

| No | Tgl Probukst | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (base) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-------------------------|--------------------|--------|
| | | | | | | | | | | Kg/Cm ² | MPA |
| 1 | 07-Des-12 | 14-Des-12 | 7 | 1306,0 | 562,21 | 2,323 | 100 | 1858,60 | 40,61 | 45,77 | 4,5770 |
| 2 | 07-Des-12 | 14-Des-12 | 7 | 1298,8 | 562,21 | 2,310 | 95 | 1755,67 | 40,61 | 43,48 | 4,3482 |
| 3 | 07-Des-12 | 14-Des-12 | 7 | 1305,7 | 562,21 | 2,322 | 95 | 1755,67 | 40,40 | 43,70 | 4,3705 |
| 4 | 07-Des-12 | 14-Des-12 | 7 | 1309,7 | 562,21 | 2,330 | 98 | 1821,43 | 40,61 | 44,95 | 4,4855 |
| 5 | 07-Des-12 | 14-Des-12 | 7 | 1309,5 | 562,21 | 2,329 | 99 | 1840,01 | 40,40 | 45,54 | 4,5545 |
| 6 | 07-Des-12 | 14-Des-12 | 7 | 1299,0 | 562,21 | 2,311 | 100 | 1858,60 | 40,61 | 45,77 | 4,5770 |
| | | | | | | | | | | 44,85 | 4,4855 |

Dibuat oleh:
 Contractor
 PT. CONBLOC INFRATECNO:

 Rocky Aswar
 Quality Control

Diperiksa oleh:
 Consultant
 PT. CIPTA STRADA:

 Lab Tech

Disetujui oleh:
 Divisi Pekerjaan Umum
 BIDANG BINA MARGA

 Site Inspector



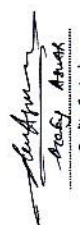


SUMMARY OF TEST



PROJECT : IBRD Strategic Roads Infrastructure Project
SUB PROJECT : BANDAR LAMPUNG BYPASS
FUND SOURCE : IBRD - SRIP dan APBN
PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
PACKAGE NO : 01-17/12A-SRIP-6P3/CE/A/7786(4834)/11-12

DATE : 08 Desember 2012
TESTED BY : Lab CI
WORK ITEM : CTB
CEMENT : 6,5%

| No | Tgl Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (baca) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-------------------------|--------------------|--------|
| | | | | | | | | | | Kg/Cm ² | MPa |
| 1 | 08-Dec-12 | 15-Dec-12 | 7 | 2988 | 562,21 | 5,315 | 97 | 1802,84 | 40,61 | 44,40 | 4,4397 |
| 2 | 08-Dec-12 | 15-Dec-12 | 7 | 1309 | 562,21 | 2,328 | 99 | 1840,01 | 40,61 | 48,31 | 4,5313 |
| 3 | 08-Dec-12 | 15-Dec-12 | 7 | 1320 | 562,21 | 2,348 | 95 | 1765,67 | 40,40 | 43,70 | 4,3705 |
| 4 | 08-Dec-12 | 15-Dec-12 | 7 | 1307,3 | 562,21 | 2,325 | 99 | 1840,01 | 40,61 | 45,31 | 4,5313 |
| 5 | 08-Dec-12 | 15-Dec-12 | 7 | 1299,9 | 562,21 | 2,312 | 99 | 1840,01 | 40,40 | 45,54 | 4,5545 |
| 6 | 08-Dec-12 | 15-Dec-12 | 7 | 1302 | 562,21 | 2,316 | 99 | 1840,01 | 40,61 | 45,31 | 4,5313 |
| | | | | | | | | | | 44,93 | 4,4931 |

| | | |
|--|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRATECNO  Quality Control | Diperiksa oleh: Consultant PT. CIPTA STRADA  Lab. Tech. | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA  Site Inspector |
|--|---|---|



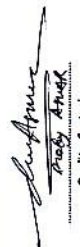


SUMMARY OF TEST



PROJECT : IBRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IBRD - SRTD dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 01-17/12A-SRTP-6P3/CE/A/7786(4834)/11-12

DATE : 09 Desember 2012
 TESTED BY : Lab CI
 WORK ITEM : CTB
 CEMENT : 6.5%

| No | Tgl Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Luas (baca) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-------------------------|--------------------|--------|
| | | | | | | | | | | Kg/Cm ² | MPA |
| 1 | 09-Des-12 | 16-Des-12 | 7 | 1311 | 562,21 | 2,332 | 109 | 2025,87 | 40,61 | 49,89 | 4,9890 |
| 2 | 09-Des-12 | 16-Des-12 | 7 | 1309 | 562,21 | 2,328 | 99 | 1840,01 | 40,61 | 45,31 | 4,5313 |
| 3 | 09-Des-12 | 16-Des-12 | 7 | 1312 | 562,21 | 2,334 | 99 | 1840,01 | 40,40 | 45,54 | 4,5545 |
| 4 | 09-Des-12 | 16-Des-12 | 7 | 1320 | 562,21 | 2,348 | 99 | 1840,01 | 40,61 | 45,31 | 4,5313 |
| 5 | 09-Des-12 | 16-Des-12 | 7 | 1324 | 562,21 | 2,355 | 98 | 1821,43 | 40,40 | 45,08 | 4,5085 |
| 6 | 09-Des-12 | 16-Des-12 | 7 | 1308 | 562,21 | 2,327 | 99 | 1840,01 | 40,61 | 45,31 | 4,5313 |
| | | | | | | | | | | 46,06 | 4,6076 |

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRATECNO:  Quality Control | Diperiksa oleh: Consultant PT. CIPTA STRADA  Lab. Tech. | Disetujui oleh: Dires Pelektion Umum BIDANG BINA MARGA  Site Inspector |
|---|---|---|






SUMMARY OF TEST



PROJECT : ZBRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : ZBRD - SRIP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 01-17/12A-SRIP-693/CE/A/7786(4834)/11-12

DATE : 10 Desember 2012
 TESTED BY : Lab CI
 WORK ITEM : CTB
 CEMENT : 6.8%

| No | Tgl Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (basal) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|--------------|------------|-------------------------|--------------------|--------|
| | | | | | | | | | | kg/Cm ² | MPA |
| 1 | 10-Des-12 | 17-Des-12 | 7 | 1309 | 562,21 | 2,328 | 95 | 1765,67 | 40,61 | 43,48 | 4,3482 |
| 2 | 10-Des-12 | 17-Des-12 | 7 | 1309,7 | 562,21 | 2,330 | 96 | 1784,26 | 40,61 | 43,94 | 4,3940 |
| 3 | 10-Des-12 | 17-Des-12 | 7 | 1312 | 562,21 | 2,334 | 92 | 1709,91 | 40,40 | 42,32 | 4,2325 |
| 4 | 10-Des-12 | 17-Des-12 | 7 | 1308 | 562,21 | 2,327 | 95 | 1765,67 | 40,61 | 43,48 | 4,3482 |
| 5 | 10-Des-12 | 17-Des-12 | 7 | 1299 | 562,21 | 2,311 | 93 | 1728,50 | 40,40 | 42,78 | 4,2785 |
| 6 | 10-Des-12 | 17-Des-12 | 7 | 1319 | 562,21 | 2,346 | 96 | 1784,26 | 40,61 | 43,94 | 4,3940 |
| | | | | | | | | | | 43,33 | 4,3325 |

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRASTRUKTUR  Quality Control | Diperiksa oleh: Consultant PT. CIPTA STRADA  Lab. Tech. | Disertifikasi oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA  Site Inspector |
|---|---|---|




SUMMARY OF TEST




PROJECT : IBRD Strategic Roads Infrastructure Project
 SUB PROJECT : BANDAR LAMPUNG BYPASS
 FUND SOURCE : IBRD - SRP dan APBN
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A
 PACKAGE NO : 01-17/12A-SRIP-6P3/CE/A/7786(4834)/11-12

DATE : 11 Desember 2012
 TESTED BY : Lab CI
 WORK ITEM : CTB
 CEMENT : 6,5%

| No | Tgl Produksi | Tanggal Uji | Umur (hari) | Weight | Volume | Unit Weight (Wet Density) | Load (bata) | Beban (kg) | Luas (cm ²) | Strength | |
|----|--------------|-------------|-------------|--------|--------|---------------------------|-------------|------------|-------------------------|--------------------|--------|
| | | | | | | | | | | Kg/Cm ² | MPa |
| 1 | 11-Des-12 | 18-Des-12 | 7 | 1305,8 | 562,21 | 2,323 | 96 | 1784,26 | 40,61 | 43,94 | 4,3940 |
| 2 | 11-Des-12 | 18-Des-12 | 7 | 1299,8 | 562,21 | 2,312 | 96 | 1784,26 | 40,61 | 43,94 | 4,3940 |
| 3 | 11-Des-12 | 18-Des-12 | 7 | 1318,1 | 562,21 | 2,344 | 92 | 1709,91 | 40,40 | 42,32 | 4,2325 |
| 4 | 11-Des-12 | 18-Des-12 | 7 | 1305,4 | 562,21 | 2,322 | 96 | 1784,26 | 40,61 | 43,94 | 4,3940 |
| 5 | 11-Des-12 | 18-Des-12 | 7 | 1304,8 | 562,21 | 2,321 | 91 | 1691,33 | 40,40 | 41,86 | 4,1865 |
| 6 | 11-Des-12 | 18-Des-12 | 7 | 1312 | 562,21 | 2,334 | 92 | 1709,91 | 40,61 | 42,11 | 4,2109 |
| | | | | | | | | | | 43,02 | 4,3019 |

Dibuat oleh:
 Contractor
 PT. CONBLOC INFRASTRUKSI

 Quality Control

Diperiksa oleh:
 Consultant
 PT. CIPTA STRADA

 Lab. Tech.

Disetujui oleh:
 Direct Pekerjaan Umum
 BIDANG BINA MARGA

 Site Inspector



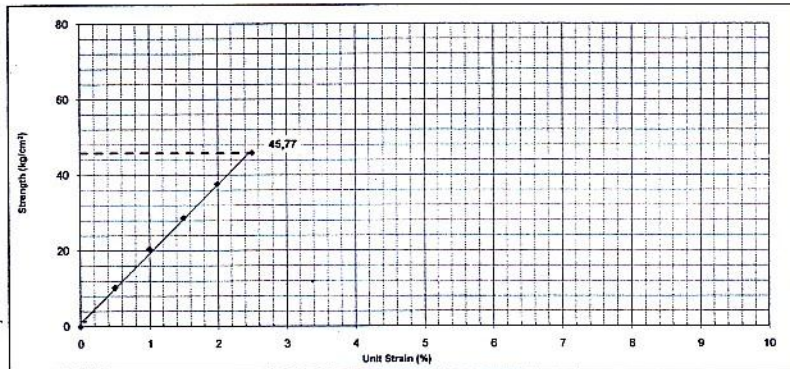
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 07 Desember 2012 1
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 14 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 4+200 sampai 3+840 360 meter
 PACKAGE NO : 01-17/12A-SRIP-0P3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 6,5%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1306,0 gr Unit weight : 2,323 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,161 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (.....x10 ³) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------|-----------------------------|--------------------------|---------------|---------------------------------------|-------------------------------|-----------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 22 | 0,071 | 0,5 | 0,5 | 39,79 | 408,9 | 10,28 | 1,03 |
| 142 | 44 | 0,142 | 1 | 1 | 39,99 | 817,8 | 20,45 | 2,04 |
| 213 | 62 | 0,213 | 1,5 | 1,5 | 40,19 | 1152,3 | 28,67 | 2,87 |
| 284 | 82 | 0,284 | 2 | 2 | 40,40 | 1524,0 | 37,72 | 3,77 |
| 355 | 100 | 0,355 | 2,5 | 2,5 | 40,61 | 1858,6 | 45,77 | 4,58 |



Notes:

| | | |
|---|---|--|
| Dibuat oleh: Contractor PT. CONBLOC INFRA TECNO | Diperiksa oleh: Consultant PT. CEPTA STRADA | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA |
| Proky ASWAR Quality Control | Lab. Tech. | Site Inspector |



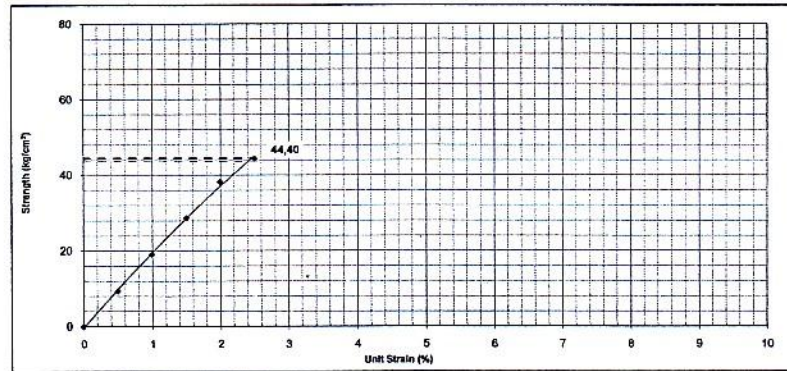
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 08 Desember 2012
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 15 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 3+570 sampai 3+200 370 meter
 PACKAGE NO : 01-17/12A-SRIP-GR3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 6,5%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spec : 14,2 cm
 Volume (V) : 562,21 cm Weight : 2988,0 gr Unit weight : 5,315 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 4,945 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (x10 ³) | Dial Load (Read) | Sample Deformation DL (cm) | Unit Strain DL / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|--|------------------|----------------------------|-------------------------|---------------|---------------------------------------|-------------------------------|-----------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 20 | 0,071 | 0,5 | 0,5 | 39,79 | 371,7 | 9,34 | 0,93 |
| 142 | 41 | 0,142 | 1 | 1 | 39,99 | 762,0 | 19,05 | 1,91 |
| 213 | 62 | 0,213 | 1,5 | 1,5 | 40,19 | 1152,3 | 28,67 | 2,87 |
| 284 | 83 | 0,284 | 2 | 2 | 40,40 | 1542,6 | 38,18 | 3,82 |
| 355 | 97 | 0,355 | 2,5 | 2,5 | 40,61 | 1802,8 | 44,40 | 4,44 |



Notes:

| | | |
|---|---|--|
| Dibuat oleh: Contractor PT. CONBLOC INFRATECHNO | Diperiksa oleh: Consultant PT. CEPTA STRADA | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA |
| Quality Control | Lab. Tech. | Site Inspector |



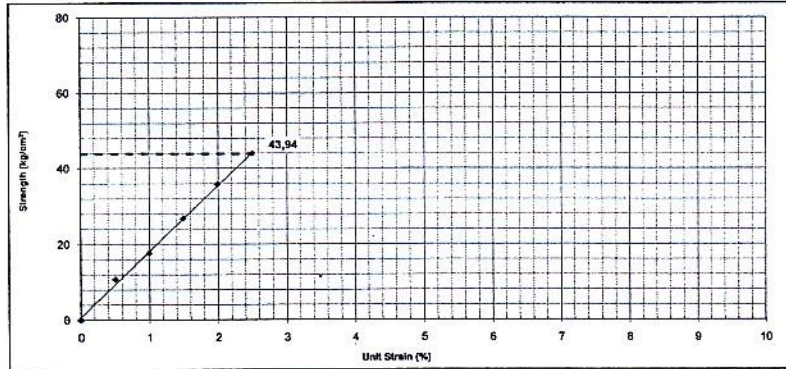
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 11 Desember 2012 2
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 18 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APEN WORK ITEM : CTB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 2+344 sampai 2+175 169 meter
 PACKAGE NO : 01-17/12A-SRIP-GP3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 6,5%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Hight of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1299,8 gr Unit weight : 2,312 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,151 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (...x10 ³) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / L _o (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------------|-------------------------------------|--|------------------|--|--|--------------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 23 | 0,071 | 0,5 | 0,5 | 39,79 | 427,5 | 10,74 | 1,07 |
| 142 | 38 | 0,142 | 1 | 1 | 39,99 | 706,3 | 17,66 | 1,77 |
| 213 | 58 | 0,213 | 1,5 | 1,5 | 40,19 | 1078,0 | 26,82 | 2,68 |
| 284 | 78 | 0,284 | 2 | 2 | 40,40 | 1449,7 | 35,88 | 3,59 |
| 355 | 96 | 0,355 | 2,5 | 2,5 | 40,61 | 1784,2 | 43,94 | 4,39 |



Notes:

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRASTRUKTUR | Diperiksa oleh: Consultant PT. CIPTA STRADA | Disetujui oleh: Direktur Pekerjaan Umum BIDANG BINA MARGA |
| Dicky Aswara Quality Control | Lab. Tech. | Site Inspector |



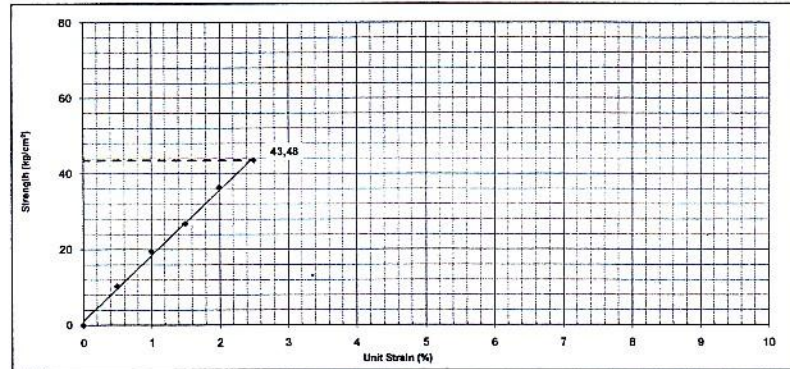
UCS (kg/cm²)



PROJECT : ITRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 10 Desember 2012 1
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 17 Desember 2012
 FUND SOURCE : ITRD - SRIP dan APBN WORK ITEM : C78
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 2+900 sampai 2+344 550 meter
 PACKAGE NO : 01-17/12A-SRIP-GP3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 6,5%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1309,0 gr Unit weight : 2,328 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,166 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (...x10 ²) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|---|------------------|-----------------------------|--------------------------|---------------|---------------------------------------|-------------------------------|-----------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 22 | 0,071 | 0,5 | 0,5 | 39,79 | 408,9 | 10,28 | 1,03 |
| 142 | 42 | 0,142 | 1 | 1 | 39,99 | 780,6 | 19,52 | 1,95 |
| 213 | 58 | 0,213 | 1,5 | 1,5 | 40,19 | 1078,0 | 26,82 | 2,68 |
| 284 | 79 | 0,284 | 2 | 2 | 40,40 | 1468,3 | 36,34 | 3,63 |
| 355 | 95 | 0,355 | 2,5 | 2,5 | 40,61 | 1765,7 | 43,48 | 4,35 |



Notes:

| | | |
|---|---|--|
| Dibuat oleh: Contractor PT. CONBLOC INFRA TECNO | Diperiksa oleh: Consultant PT. CIPTA STRADA | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BINA MARGA |
| Quality Control | Lab. Tech. | Site Inspector |



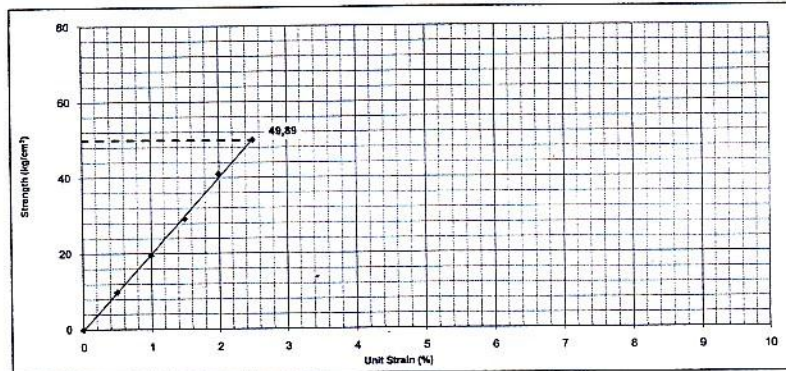
UCS (kg/cm²)



PROJECT : IBRD Strategic Roads Infrastructure Project DATE OF PRODUCT : 09 Desember 2012 1
 SUB PROJECT : BANDAR LAMPUNG BYPASS DATE OF TESTING : 16 Desember 2012
 FUND SOURCE : IBRD - SRIP dan APBN WORK ITEM : CTB
 PACKAGE NAME : BANDAR LAMPUNG BYPASS - A STA : 3+200 sampai 2+900 300 meter
 PACKAGE NO : 01-17/12A-SRIP-6P3/CE/A/7786(4834)/11-11 CEMENT CONTENT : 6,5%

Diameter (D) : 7,1 cm Initial Area : 39,59 cm² Height of Spc : 14,2 cm
 Volume (V) : 562,21 cm Weight : 1311,0 gr Unit weight : 2,332 gr/cm³
 Moisture (%) : 7,5 Dry Unit Weight : 2,170 gr/cm³ Kalibrasi : 18,586 kg

| Deformation Dial reading (x10 ³) | Dial Load (Read) | Sample Deformation D L (cm) | Unit Strain D L / Lo (%) | Time (minute) | Corrected Area (cm ²) (a) | Total Load on Sample (kg) (b) | Strength of Total Unit | |
|--|------------------|-------------------------------|--------------------------|---------------|---------------------------------------|-------------------------------|-----------------------------|-------|
| | | | | | | | (kg/cm ²) (b/a) | (Mpa) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0,0 | 0 | 0 |
| 71 | 21 | 0,071 | 0,5 | 0,5 | 39,79 | 390,3 | 9,81 | 0,98 |
| 142 | 42 | 0,142 | 1 | 1 | 39,99 | 780,6 | 19,52 | 1,95 |
| 213 | 63 | 0,213 | 1,5 | 1,5 | 40,19 | 1170,9 | 29,13 | 2,91 |
| 284 | 89 | 0,284 | 2 | 2 | 40,40 | 1654,1 | 40,94 | 4,09 |
| 355 | 109 | 0,355 | 2,5 | 2,5 | 40,61 | 2025,9 | 49,89 | 4,99 |



Notes:

| | | |
|---|---|---|
| Dibuat oleh: Contractor PT. CONBLOC INFRASTRUKTUR | Diperiksa oleh: Consultant PT. CIPTA STRADA | Disetujui oleh: Dinas Pekerjaan Umum BIDANG BIDAN MARGA |
| Quality Control | Lab. Tech. | Site Inspector |