

OBRA: PAVIMENTACION DE CALLE CONSTITUCION, ENTRE DAMIAN CARMONA Y LAS GRANJAS
 LOCALIZACION: POBLADO, MESILLAS, MUNICIPIO DE CONCORDIA
 LABORATORISTA: ANTONIO ANGULO OROZCO

REGISTRO DE CILINDROS

| CILINDRO No. | FECHA DE FABRICACION | FECHA DE RUPTURA | fc = Kg/Cm2 PROY. | UBICACIÓN DE MUESTREO | ALTURA Cm | DIAMETRO Cm | CARGA DE RUPTURA | A 7 días | |
|--------------|----------------------|------------------|----------------------|-----------------------|--------------|----------------|------------------|-------------------------------|--|
| | | | | | | | | RESIST. KG/Cm ² | |
| 1 | 11-dic-23 | 18-dic-23 | 250.0 | LOSA 0+010 | 30.0 | 15.0 | 38650.0 | 87% | |
| 4 | 11-dic-23 | 18-dic-23 | 250.0 | LOSA 0+030 | 30.0 | 15.0 | 38700.0 | 88% | |
| 7 | 15-dic-23 | 22-dic-23 | 250.0 | LOSA 0+020 | 30.0 | 15.0 | 38810.0 | 88% | |
| 10 | 15-dic-23 | 22-dic-23 | 250.0 | LOSA 0+040 | 30.0 | 15.0 | 38000.0 | 86% | |
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Antonio Angulo O.

ANTONIO ANGULO OROZCO

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|--------------|----------------------|------------------|--------------------------------|-----------------------|-----------|-------------|------------------|----------------------------|---|
| | | | | | | | | RESIST. KG/Cm ² | % |
| 2 | 11-dic-23 | 25-dic-23 | 250.0 | LOSA 0+010 | 30.0 | 15.0 | 40400.0 | 91% | |
| 5 | 12-dic-23 | 26-dic-23 | 250.0 | LOSA 0+030 | 30.0 | 15.0 | 39500.0 | 89% | |
| 8 | 15-dic-23 | 29-dic-23 | 250.0 | LOSA 0+020 | 30.0 | 15.0 | 38900.0 | 88% | |
| 11 | 15-dic-23 | 29-dic-23 | 250.0 | LOSA 0+040 | 30.0 | 15.0 | 39000.0 | 88% | |
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|--------------|----------------------|------------------|--------------------|-----------------------|-----------|-------------|------------------|----------------------------|--|
| | | | | | | | | RESIST. KG/Cm ² | |
| 3 | 11-dic-23 | 8-ene-24 | 250.0 | LOSA 0+010 | 30.0 | 15.0 | 44000.0 | 100% | |
| 6 | 12-dic-23 | 9-ene-24 | 250.0 | LOSA 0+030 | 30.0 | 15.0 | 44000.0 | 100% | |
| 9 | 15-dic-23 | 12-ene-24 | 250.0 | LOSA 0+020 | 30.0 | 15.0 | 44000.0 | 100% | |
| 12 | 15-dic-23 | 12-ene-24 | 250.0 | LOSA 0+040 | 30.0 | 15.0 | 44000.0 | 100% | |
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 ANTONIO ANGULO OROZCO

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|--------------|----------------------|------------------|--------------------------------|-------------------------|-----------|-------------|------------------|----------------------------|
| | | | | | | | | RESIST. KG/Cm ² |
| 1 | 4-dic-23 | 11-dic-23 | 250.0 | GUARNICION L. DERECHO | 30.0 | 15.0 | 37500.0 | 85% |
| 4 | 8-dic-23 | 15-dic-23 | 250.0 | GUARNICION L. IZQUIERDO | 30.0 | 15.0 | 37550.0 | 85% |
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Antonio Angulo Orozco

ANTONIO ANGULO OROZCO

Y/S

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|--------------|----------------------|------------------|--------------------------------|-------------------------|-----------|-------------|------------------|----------------------------|
| | | | | | | | | RESIST. KG/Cm ² |
| 2 | 4-dic-23 | 18-dic-23 | 250.0 | GUARNICION L. DERECHO | 30.0 | 15.0 | 41970.0 | 95% |
| 5 | 8-dic-23 | 22-dic-23 | 250.0 | GUARNICION L. IZQUIERDO | 30.0 | 15.0 | 42800.0 | 97% |
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Antonio Angulo O.

ANTONIO ANGULO OROZCO



CONSTRUCCIÓN Y SUPERVISIÓN S.A. DE C.V.

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LABORATORISTA: ANTONIO ANGULO OROZCO

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|--------------|----------------------|------------------|-------------------------------|-------------------------|-----------|-------------|------------------|----------------------------|
| | | | | | | | | RESIST. KG/Cm ² |
| 3 | 4-dic-23 | 1-ene-24 | 250.0 | GUARNICION L. DERECHO | 30.0 | 15.0 | 44000.0 | 100% |
| 6 | 8-dic-23 | 5-ene-24 | 250.0 | GUARNICION L. IZQUIERDO | 30.0 | 15.0 | 44000.0 | 100% |
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ANTONIO ANGULO OROZCO

REPORTES DE TERRACERIA.

OBRA: PAVIMENTACION CALLE CONSTITUCION, ENTRE CARMONA Y GRANJAS

ya(kg/m³)= 1400

LOCALIZACION: MESILLAS, CONCORDIA

ys maxiab(kg/m³)= 1965

LABORATORISTA: TEC. ANTONIO ANGULO OROZCO

∞optima(%)= 1.08

OBTENCION DE GRADOS DE COMPACTACION.

| FECHA | CAPA | LOCALIZACION | PROF CM | Wai GR. | Waf gr | Wa gr | Wmh gr | Va gr | yhc kg/m ³ | ∞c % | y _{sc} kg/m ³ | GRADO DE COMPACTACION |
|-----------|------|--------------|------------|------------|-----------|----------|-----------|----------|--------------------------|---------|--------------------------------------|--------------------------|
| 30-nov-23 | | TRAMO 0+020 | 20 | 5000 | 3020 | 1980 | 2750 | 1.41 | 1944.4 | 1.08 | 1890.0 | 96% |
| 30-nov-23 | | TRAMO 0+030 | 20 | 5000 | 2950 | 2050 | 3102 | 1.46 | 2118.4 | 1.08 | 1860.0 | 95% |
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Antonio Angulo O.
ENCARGADO DE LABORATORIO

Wmf. peso material humedo

Waf. peso de arena fuera



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