

REHABILITACION Y MEJORAMIENTO DE LA CARRETERA QUINUA - SAN FRANCISCO
TRAMO: KM 26+000 - KM 78+500

METRADOS DE MUROS DE CONCRETO CICLOPEO

| N° | PROGRESIVAS KM | LONGITUD m | EXCAVACION | | 601.C | | RELLENO PARA ESTRUCTURAS | | 605.A | | GEOMETRIA | | 610.H | | ENCOFRADO Y DESENCOFRADO | | | | 612.A | | TUBERIA PVC 3" | | 625.E | | TUBERIA HDPE | | 623.F | | 655.A | | GEOTEXTIL | | 650.A | | | | |
|----|-------------------|---------------|---------------|-------|--|------|--------------------------|------|--------------------|-------|--------------------------|------|--------|------|--------------------------|-------|--|-------|-----------------------------|-------|-------------------|------|-----------------------------|------|-------------------|-------|--------------------------|------|--------------------|------|--------------------|---|-------------------|---|----------------|----|---------------------|
| | | | Area de Corte | m2 | EXCAVACION PARA ESTRUCTURAS NO CLASIFICADO EN SECO | m3 | Area de Relleno | m | Volumen de Relleno | m3 | RELLENO PARA ESTRUCTURAS | m3 | ALTURA | m | AREA DE MURO | m2 | CONCRETO CLASE H (F'c=175 KG/CM2 + 30% Fg) | m3 | Longitud a encofrar externa | m | Encofrado externo | m2 | Longitud a encofrar interna | m | Encofrado interno | m2 | ENCOFRADO Y DESENCOFRADO | m2 | Longitud de Tubo 1 | m | Longitud de Tubo 2 | m | TUBERIA HDPE D=4" | m | JUNTA DE MUROS | m2 | Altura de Geotextil |
| | 56+040.000 | 5.00 | 2.33 | 10.10 | 0.64 | 0.64 | 2.97 | 0.54 | 2.97 | 2.97 | 2.00 | 1.67 | 8.35 | 1.56 | 1.65 | 7.80 | 1.65 | 8.25 | 19.39 | 19.39 | 1.40 | 1.40 | 5.00 | 5.00 | 9.20 | 9.20 | 0.88 | 0.88 | 4.40 | 4.40 | | | | | | | |
| 79 | 56+045.000 | 5.00 | 5.34 | 23.33 | 2.02 | 2.02 | 11.89 | 2.02 | 11.89 | 11.89 | 3.00 | 2.66 | 13.28 | 2.56 | 2.80 | 12.80 | 2.80 | 14.00 | 32.11 | 32.11 | 1.40 | 1.40 | 5.00 | 5.00 | 10.85 | 10.85 | 1.88 | 1.88 | 9.40 | 9.40 | | | | | | | |
| | 56+050.000 | 5.00 | 6.18 | 25.41 | 2.67 | 2.67 | 11.71 | 2.67 | 11.71 | 11.71 | 3.00 | 2.66 | 13.28 | 2.56 | 2.80 | 12.80 | 2.80 | 14.00 | 32.11 | 32.11 | 1.40 | 1.40 | 5.00 | 5.00 | 10.85 | 10.85 | 1.88 | 1.88 | 9.40 | 9.40 | | | | | | | |
| 80 | 56+055.000 | 5.00 | 2.02 | 7.33 | 0.55 | 0.55 | 1.37 | 0.55 | 1.37 | 1.37 | 2.00 | 1.67 | 8.35 | 1.56 | 1.65 | 7.80 | 1.65 | 8.25 | 19.39 | 19.39 | 1.40 | 1.40 | 5.00 | 5.00 | 9.20 | 9.20 | 0.88 | 0.88 | 4.40 | 4.40 | | | | | | | |
| | 56+060.000 | 5.00 | 1.20 | 5.20 | 0.03 | 0.03 | 0.13 | 0.03 | 0.13 | 0.13 | 3.00 | 2.66 | 11.55 | 2.56 | 2.80 | 11.14 | 2.80 | 12.18 | 28.63 | 28.63 | 1.40 | 1.40 | 5.00 | 5.00 | 10.20 | 10.20 | 1.88 | 1.88 | 8.18 | 8.18 | | | | | | | |
| 81 | 56+064.350 | 4.35 | 1.40 | 0.84 | 0.09 | 0.09 | 0.04 | 0.09 | 0.04 | 0.04 | 3.00 | 2.66 | 1.73 | 2.56 | 2.80 | 1.66 | 2.80 | 1.82 | 8.80 | 8.80 | 1.40 | 1.40 | 5.00 | 5.00 | 2.60 | 2.60 | 1.88 | 1.88 | 1.22 | 1.22 | | | | | | | |
| | 56+065.000 | 0.65 | 1.63 | 0.98 | 0.17 | 0.17 | 0.08 | 0.17 | 0.08 | 0.08 | 3.00 | 2.66 | 1.73 | 2.56 | 2.80 | 1.66 | 2.80 | 1.82 | 8.80 | 8.80 | 1.40 | 1.40 | 5.00 | 5.00 | 2.60 | 2.60 | 1.88 | 1.88 | 1.22 | 1.22 | | | | | | | |
| | 56+065.650 | 0.65 | 1.63 | 7.08 | 0.17 | 0.17 | 0.74 | 0.17 | 0.74 | 0.74 | 3.00 | 2.66 | 11.55 | 2.56 | 2.80 | 11.14 | 2.80 | 12.18 | 28.63 | 28.63 | 1.40 | 1.40 | 5.00 | 5.00 | 10.20 | 10.20 | 1.88 | 1.88 | 8.18 | 8.18 | | | | | | | |
| 82 | 58+660.000 | 4.35 | 0.80 | 4.34 | 0.15 | 0.15 | 0.75 | 0.15 | 0.75 | 0.75 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 58+665.000 | 5.00 | 0.94 | 4.79 | 0.15 | 0.15 | 0.74 | 0.15 | 0.74 | 0.74 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 58+670.000 | 5.00 | 1.01 | 4.98 | 0.14 | 0.14 | 0.71 | 0.14 | 0.71 | 0.71 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| 83 | 58+675.000 | 5.00 | 0.88 | 4.13 | 0.10 | 0.10 | 0.38 | 0.10 | 0.38 | 0.38 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 59+400.000 | 5.00 | 0.77 | 4.13 | 0.06 | 0.06 | 0.38 | 0.06 | 0.38 | 0.38 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 59+405.000 | 5.00 | 2.71 | 11.79 | 1.48 | 1.48 | 6.44 | 1.48 | 6.44 | 6.44 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |
| | 59+799.350 | 4.35 | 1.08 | 1.23 | 0.02 | 0.02 | 0.49 | 0.02 | 0.49 | 0.49 | 2.50 | 2.00 | 1.30 | 2.06 | 2.47 | 1.34 | 2.47 | 1.61 | 6.95 | 6.95 | 1.70 | 1.70 | 4.35 | 4.35 | 2.35 | 2.35 | 1.38 | 1.38 | 0.90 | 0.90 | | | | | | | |
| 84 | 59+800.000 | 0.65 | 2.62 | 1.20 | 1.39 | 1.39 | 0.46 | 1.39 | 0.46 | 0.46 | 2.50 | 2.00 | 1.30 | 2.06 | 2.47 | 1.34 | 2.47 | 1.61 | 6.95 | 6.95 | 1.70 | 1.70 | 4.35 | 4.35 | 2.35 | 2.35 | 1.38 | 1.38 | 0.90 | 0.90 | | | | | | | |
| | 59+800.650 | 0.65 | 2.62 | 11.39 | 1.39 | 1.39 | 6.06 | 1.39 | 6.06 | 6.06 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |
| 85 | 59+920.000 | 5.00 | 0.96 | 4.83 | 0.14 | 0.14 | 0.70 | 0.14 | 0.70 | 0.70 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 59+925.000 | 5.00 | 0.99 | 5.06 | 0.15 | 0.15 | 0.73 | 0.15 | 0.73 | 0.73 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| 86 | 60+030.000 | 5.00 | 1.03 | 5.00 | 0.16 | 0.16 | 0.77 | 0.16 | 0.77 | 0.77 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 60+035.000 | 5.00 | 1.01 | 4.95 | 0.15 | 0.15 | 0.77 | 0.15 | 0.77 | 0.77 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 60+040.000 | 5.00 | 0.96 | 4.95 | 0.15 | 0.15 | 0.77 | 0.15 | 0.77 | 0.77 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| 87 | 61+280.000 | 5.00 | 0.97 | 4.30 | 0.12 | 0.12 | 0.65 | 0.12 | 0.65 | 0.65 | 1.50 | 1.06 | 5.30 | 1.06 | 1.10 | 5.30 | 1.10 | 5.50 | 12.92 | 12.92 | 1.00 | 1.00 | 5.00 | 5.00 | 8.00 | 8.00 | 0.38 | 0.38 | 1.90 | 1.90 | | | | | | | |
| | 61+285.000 | 5.00 | 4.25 | 18.47 | 1.81 | 1.81 | 7.87 | 1.81 | 7.87 | 7.87 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |
| | 61+675.000 | 4.35 | 1.24 | 1.78 | 0.12 | 0.12 | 0.63 | 0.12 | 0.63 | 0.63 | 2.50 | 2.00 | 1.30 | 2.06 | 2.47 | 1.34 | 2.47 | 1.61 | 6.95 | 6.95 | 1.70 | 1.70 | 4.35 | 4.35 | 2.35 | 2.35 | 1.38 | 1.38 | 0.90 | 0.90 | | | | | | | |
| 88 | 61+680.000 | 0.65 | 3.79 | 1.64 | 1.81 | 1.81 | 0.63 | 1.81 | 0.63 | 0.63 | 2.50 | 2.00 | 1.30 | 2.06 | 2.47 | 1.34 | 2.47 | 1.61 | 6.95 | 6.95 | 1.70 | 1.70 | 4.35 | 4.35 | 2.35 | 2.35 | 1.38 | 1.38 | 0.90 | 0.90 | | | | | | | |
| | 61+680.650 | 0.65 | 3.79 | 16.49 | 1.81 | 1.81 | 7.87 | 1.81 | 7.87 | 7.87 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |
| | 61+685.000 | 4.35 | 1.98 | 10.61 | 0.67 | 0.67 | 3.36 | 0.67 | 3.36 | 3.36 | 2.00 | 1.67 | 8.35 | 1.56 | 1.65 | 7.80 | 1.65 | 8.25 | 19.39 | 19.39 | 1.40 | 1.40 | 5.00 | 5.00 | 9.20 | 9.20 | 0.88 | 0.88 | 4.40 | 4.40 | | | | | | | |
| 89 | 61+900.000 | 5.00 | 4.33 | 18.81 | 1.83 | 1.83 | 7.95 | 1.83 | 7.95 | 7.95 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |
| | 61+915.000 | 4.35 | 1.23 | 1.80 | 0.11 | 0.11 | 0.63 | 0.11 | 0.63 | 0.63 | 2.50 | 2.00 | 1.30 | 2.06 | 2.47 | 1.34 | 2.47 | 1.61 | 6.95 | 6.95 | 1.70 | 1.70 | 4.35 | 4.35 | 2.35 | 2.35 | 1.38 | 1.38 | 0.90 | 0.90 | | | | | | | |
| | 61+919.350 | 0.65 | 4.34 | 1.81 | 1.83 | 1.83 | 0.63 | 1.83 | 0.63 | 0.63 | 2.50 | 2.00 | 1.30 | 2.06 | 2.47 | 1.34 | 2.47 | 1.61 | 6.95 | 6.95 | 1.70 | 1.70 | 4.35 | 4.35 | 2.35 | 2.35 | 1.38 | 1.38 | 0.90 | 0.90 | | | | | | | |
| 90 | 61+920.000 | 0.65 | 4.34 | 18.90 | 1.83 | 1.83 | 7.95 | 1.83 | 7.95 | 7.95 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |
| | 61+920.650 | 0.65 | 4.34 | 18.90 | 1.83 | 1.83 | 7.95 | 1.83 | 7.95 | 7.95 | 2.50 | 2.00 | 8.71 | 2.06 | 2.47 | 8.96 | 2.47 | 10.74 | 23.71 | 23.71 | 1.70 | 1.70 | 4.35 | 4.35 | 9.45 | 9.45 | 1.38 | 1.38 | 6.00 | 6.00 | | | | | | | |



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