

DATOS DE PROYECTO

CAMINO TIPO "ARTESANAL"

VELOCIDAD DE PROYECTO
30 km/h

ANCHO DE CORONA
5.00 m.

ANCHO DE CALZADA
5.00 m.

CURVATURA MÁXIMA
67°00'00"

PENDIENTE MÁXIMA
12.00 %

PENDIENTE GOBERNADORA
8.00 %

SECCION TIPO

CORTE Y TERRAPLEN

SIN ESCALA

SIMBOLOGIA

BANCOS DE NIVEL

OBRERA DE DRENAJE

NUMERO DE CURVA

KILOMETRAJE

POSTE DE C.F.E.

TIRANTE (ARREMETIDA DE POSTE)

CERCO DE PUAS O MALLA

DERECHO DE VIA

ORILLA DE CAMINO EXISTENTE

CURVA DE NIVEL ORDINARIA

CURVA DE NIVEL MAESTRA A CADA 5 MTS

Camino: CONSTRUCCION DE LA CARRETERA SIN NOMBRE CON CONCRETO HIDRAULICO DE RIO MINAS - INFIERNILLO

Tramo: DEL KM. 0+000.00 AL KM. 8+340.00

Subtramo: DEL KM. 2+000.00 AL KM. 3+200.00

Origen: KM. 0+000.00 RIO MINAS

PLANTA TOPOGRAFICA DEL KM. 2+000.00 AL KM. 3+200.00

PROYECTO:

DIRECCION DE PROYECTOS Y CONTROL DE CALIDAD

REVISÓ:

ING. ALVARO PEREZ HERNANDEZ

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COORDENADAS DEL EJE DE TRAZO

| ESTACION | PUNTO OBSERVADO | SUBTANGENTE ATRAS | TANGENTE ADELANTE | SUBTANGENTE ADELANTE | DISTANCIA | DEFLEXION | SENTIDO | RUMBO | COSENO | SENO | PROYECCIONES | E | N | COORDENADAS | |
|----------|-----------------|-------------------|-------------------|----------------------|-----------|-----------|---------|---------|------------|--------|--------------|-------|--------|-------------|-------|
| 2+000.00 | 2+000.00 | 0.000 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+088.04 | 2+088.04 | 2+088.04 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+152.94 | 2+152.94 | 2+152.94 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+175.34 | 2+175.34 | 2+175.34 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+259.99 | 2+259.99 | 2+259.99 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+292.11 | 2+292.11 | 2+292.11 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+307.16 | 2+307.16 | 2+307.16 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+360.45 | 2+360.45 | 2+360.45 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+425.72 | 2+425.72 | 2+425.72 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+435.56 | 2+435.56 | 2+435.56 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+456.56 | 2+456.56 | 2+456.56 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+469.56 | 2+469.56 | 2+469.56 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+472.00 | 2+472.00 | 2+472.00 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+476.95 | 2+476.95 | 2+476.95 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+488.44 | 2+488.44 | 2+488.44 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+497.53 | 2+497.53 | 2+497.53 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+500.00 | 2+500.00 | 2+500.00 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+505.99 | 2+505.99 | 2+505.99 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | 14.08 1202 | 0.9984 | 0.2902 | 0.000 | 69.498 | 21.108 | 0.000 |
| 2+507.54 | 2+507.54 | 2+507.54 | 61.250 | 26.791 | 12.850 | 32.980 | 72.631 | 83° 14' | | | | | | | |