

## FERROCARRILES NACIONALES DE COLOMBIA

CUADRO DE DATOS DE LAS ESTRUCTURAS METÁLICAS DE LOS PONTONES PUENTES Y VIADUCTOS

DIVISION: PACIFICO

DISTRITO "C"

SECCION: TERCERA (K-241 a K-349)

| N°                                             | Nombre de la Obra                 | Abscisa | Luz     | Paso     | Tipo de Estructura | N° | Alto  | VIGAS PRINCIPALES |          |                                   |       | N°   | Alto | VIGAS TRANSVERSALES |          |   |    | VIGAS LONGITUDINALES |          |   |    | Origo Tipo | Estado de la Estructura |
|------------------------------------------------|-----------------------------------|---------|---------|----------|--------------------|----|-------|-------------------|----------|-----------------------------------|-------|------|------|---------------------|----------|---|----|----------------------|----------|---|----|------------|-------------------------|
|                                                |                                   |         |         |          |                    |    |       | Dist. entre Vigas | VIGAS EN |                                   |       |      |      | Dist. entre Vigas   | VIGAS EN |   |    | Dist. entre Vigas    | VIGAS EN |   |    |            |                         |
|                                                |                                   |         |         |          |                    |    |       |                   | Celoso   | A                                 | en    |      |      |                     | Celoso   | A | en |                      | Celoso   | A | en |            |                         |
| SECCION 39 BUGA - LA MARINA (K-241 a K-349)    |                                   |         |         |          |                    |    |       |                   |          |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 1                                              | Puente Quebrado de Chibola        | 246.946 | 21.4    | inferior | PONNY              | 2  | 2194  | 297               | 467      | Celoso                            | 9x13  |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 2                                              | Puente Quebrado Presidente        | 249.153 | 8.90    | Superior | DECK               | 2  | 1026  | 109               | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 3                                              | Puente Desagua                    | 251.430 | 403     | "        | "                  | 2  | 480   | 0.61              | 153      |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 4                                              | Puente Quebr. del Yaso (1er Pono) | 251.938 | 278     | "        | "                  | 4  | 382   | 0.31              | 168      |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 5                                              | " " " (2º " )                     | 251.942 | 278     | "        | "                  | 4  | 382   | 0.31              | 168      |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 6                                              | " " " San Pedro                   | 254.573 | 410     | "        | "                  | 2  | 480   | 0.61              | 153      |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 7                                              | " " " Sette                       | 257.856 | 610     | "        | "                  | 2  | 693   | 0.74              | 153      |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 8                                              | " " " Zonito San Carlos           | 260.942 | 410     | "        | "                  | 2  | 480   | 0.61              | 153      |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 9                                              | Puente Rio Yaso                   | 268.450 | 40.07   | inferior | THROUGH            | 2  | 4084  | 8.53              | 446      | Celoso                            | 15x10 |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 10                                             | " " " Quebrado Morales            | 269.312 | 21.48   | Superior | DECK               | 2  | 2225  | 200               | 198      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 11                                             | " " " Zonito                      | 270.091 | 21.30   | inferior | PONNY              | 2  | 2195  | 297               | 467      | Celoso                            | 15x10 |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 12                                             | Puente Quebrado Agucayivas        | 272.180 | 5.60    | Superior | DECK               | 2  | 657   | 0.74              | 152      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 13                                             | " " " San Pablo                   | 273.146 | 590     | "        | "                  | 2  | 665   | 0.74              | 152      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 14                                             | Puente Rio Bugabuygrande          | 279.207 | 28.83   | inferior | PONNY              | 2  | 3110  | 426               | 476      | Celoso                            | 15x10 |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 15                                             | " " " Quebrado de Barro (Pono)    | 284.148 | 2.405   | "        | "                  | 2  | 2515  | 335               | 468      | Celoso                            | 15x10 |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 16                                             | Puente " " Urtica (1er Pono)      | 286.992 | 775     | Superior | DECK               | 2  | 884   | 0.98              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 17                                             | " " " (2º " )                     | 288.500 | 915     | "        | "                  | 2  | 1025  | 109               | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 18                                             | " " " Rio La Paila (1er Pono)     | 296.102 | 815     | "        | "                  | 2  | 915   | 0.77              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 19                                             | " " " (2º " )                     | 296.110 | 815     | "        | "                  | 2  | 915   | 0.77              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 20                                             | Puente Rio La Paila               | 296.360 | 39.97   | inferior | THROUGH            | 2  | 40.85 | 8.52              | 4.47     | Celoso                            | 15x10 |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 21                                             | " " Almodoro Rio La Paila         | 296.390 | 11.45   | Superior | DECK               | 2  | 13.25 | 1.38              | 153      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 22                                             | " " " Quebrado de las Colas       | 299.640 | 21.38   | "        | "                  | 2  | 22.82 | 2.00              | 198      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 23                                             | Puente " " El Zorrel              | 303.180 | 6.50    | "        | "                  | 2  | 7.20  | 0.61              | 194      |                                   | 15x16 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 24                                             | " " " La Victoria                 | 318.352 | 18.40   | "        | "                  | 2  | 19.60 | 1.91              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 25                                             | " " " Las Andrias                 | 322.082 | 18.40   | "        | "                  | 2  | 19.60 | 1.90              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 26                                             | " " " Las Alajas                  | 324.731 | 12.25   | "        | "                  | 2  | 13.40 | 1.45              | 153      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 27                                             | Puente Quebrado de Chibola        | 327.473 | 204.359 | 248.363  | DECK               | 2  | 18.64 | 0.70              | 170      | 2 Tramos de 327.480 y 170.30 c/r. | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 28                                             | Puente Quebrado Sico              | 328.872 | 12.17   | Superior | DECK               | 2  | 13.50 | 1.45              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 29                                             | " " " de Siquito                  | 332.040 | 12.27   | "        | "                  | 2  | 13.50 | 1.45              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 30                                             | " " " Las Siquitas                | 332.889 | 12.18   | "        | "                  | 2  | 13.50 | 1.45              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 31                                             | " " " Rio La Vieja (Cortado)      | 347.443 | 69.70   | inferior | THROUGH            | 2  | 71.34 | 10.60             | 490      | Celoso                            | 15x10 | 0.02 |      |                     |          |   |    |                      |          |   |    |            |                         |
| SECCION 39 ZARZAL - ARMENIA (K-304 a K-362)    |                                   |         |         |          |                    |    |       |                   |          |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 1                                              | Puente Quebrado Los Limones       | 306.521 | 12.06   | Superior | DECK               | 2  | 13.51 | 1.45              | 152      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 2                                              | " " " La Paila                    | 309.601 | 12.03   | "        | "                  | 2  | 13.50 | 1.44              | 151      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 3                                              | " " " Des Quebrados               | 321.310 | 11.06   | "        | "                  | 2  | 13.02 | 1.45              | 153      |                                   | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 4                                              | Puente Quebrado Corral            | 324.311 | 6.33    | "        | "                  | 2  | 7.01  | 0.70              | 152      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 5                                              | Puente Rio La Vieja (Cortado)     | 331.462 | 50.75   | inferior | THROUGH            | 2  | 52.10 | 10.95             | 490      | Celoso                            | 15x10 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 6                                              | Puente Quebrado Morales           | 335.636 | 2.95    | Superior | DECK               | 2  | 3.04  | 0.38              | 153      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 7                                              | " " " " "                         | 335.639 | 3.15    | "        | "                  | 2  | 3.68  | 0.31              | 154      |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| SECCION 39 ARMENIA - NACEDEROS (K-362 a K-418) |                                   |         |         |          |                    |    |       |                   |          |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |
| 1                                              | Paseo Superior Carretera          | 365.800 | 5.00    | Superior | DECK               | 2  | 6.20  | 0.70              | 152      |                                   | 15x16 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 2                                              | " " " " "                         | 370.350 | 4.10    | "        | "                  | 2  | 5.20  | 0.62              | 153      |                                   | 15x16 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 3                                              | Puente Quebrado El Barro (Pono)   | 370.465 | 20.45   | "        | "                  | 2  | 22.40 | 2.02              | 2.29     |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 4                                              | " " " " (2º " )                   | 370.485 | 18.13   | inferior | PONNY              | 2  | 19.50 | 1.96              | 4.71     |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 5                                              | " " " Rio El Roble                | 375.736 | 22.85   | "        | "                  | 2  | 23.64 | 3.35              | 4.72     |                                   | 15x15 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| 6                                              | " " " Barrios                     | 385.521 | 11.77   | "        | "                  | 2  | 13.40 | 1.64              | 4.43     |                                   | 15x11 | 0.01 |      |                     |          |   |    |                      |          |   |    |            |                         |
| PASADIN                                        |                                   |         |         |          |                    |    |       |                   |          |                                   |       |      |      |                     |          |   |    |                      |          |   |    |            |                         |