

# FERROCARRILES NACIONALES DE COLOMBIA

DIVISION: PACIFICO

DISTRITO: "C"

SECCION: SEGUNDA K: 174 a K: 333

2

## CUADRO DE DATOS DE LAS ESTRUCTURAS METALICAS DE LOS PONTONES PUENTES Y VIADUCTOS

(LUCES MAYORES DE 5 MTS)

| N°                                                                                                     | Nombre de la Obra              | Abscisa | Luz Libre | Paso               | Tipo de Estructura        | VIGAS PRINCIPALES |       |                         |                   |          |       |                 |   | VIGAS TRANSVERSALES                   |       |      |                   |           |         |      |   | VIGAS LONGITUDINALES |             |              |                   |           |         |      |   | Carga Tipo | Peso de la Estructura | Estado de la Estructura |                   |                |   |
|--------------------------------------------------------------------------------------------------------|--------------------------------|---------|-----------|--------------------|---------------------------|-------------------|-------|-------------------------|-------------------|----------|-------|-----------------|---|---------------------------------------|-------|------|-------------------|-----------|---------|------|---|----------------------|-------------|--------------|-------------------|-----------|---------|------|---|------------|-----------------------|-------------------------|-------------------|----------------|---|
|                                                                                                        |                                |         |           |                    |                           | N°                | Largo | Alto                    | Dist. entre Vigas | VIGAS EN |       |                 |   | N°                                    | Largo | Alto | Dist. entre Vigas | VIGAS EN  |         |      |   | N°                   | Largo       | Alto         | Dist. entre Vigas | VIGAS EN  |         |      |   |            |                       |                         |                   |                |   |
|                                                                                                        |                                |         |           |                    |                           |                   |       |                         |                   | Celosia  | A     |                 |   |                                       |       |      |                   | Perfil en | Celosia | A    |   |                      |             |              |                   | Perfil en | Celosia | A    |   |            |                       |                         | Perfil en         |                |   |
|                                                                                                        |                                |         |           |                    |                           |                   |       |                         |                   |          | A     | ≠               | P |                                       |       |      |                   |           |         | A    | ≠ |                      |             |              |                   |           |         | P    | A |            |                       |                         |                   | ≠              | P |
| VIENEN                                                                                                 |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |
| SECCION SEGUNDA CALI-POPAYAN (K-174 a K-333)                                                           |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |
| 14                                                                                                     | Puente Rio Timba               | 215.959 | 33.15     | Inferior           | THROUGH DECK              | 2                 | 34.45 | 8.95                    | 4.73              | Celosia  | 8x13  |                 |   | 38x8<br>25x27                         | 2     | 4.46 | 1.22              | 8.61      | 15x15   | 0.01 |   |                      | Ex 2<br>C 2 | 8.89<br>8.58 | 0.88              | 1.52      | 15x15   | 0.01 |   |            | E-40                  | 59.685                  | En regular Estado |                |   |
| 15                                                                                                     | Pontón Quebrada Caloto         | 230.071 | 9.08      | Superior           |                           | 2                 | 10.25 | 1.09                    | 1.54              |          | 10x15 |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   | E-40       | 6.625                 | En buen Estado          |                   |                |   |
| 16                                                                                                     | " " Asnazú                     | 232.805 | 9.10      | "                  | "                         | 2                 | 10.25 | 1.09                    | 1.53              |          | 10x15 | R.V. 11<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   | E-40       | 6.625                 | "                       |                   |                |   |
| 17                                                                                                     | " " El Salado                  | 235.716 | 6.00      | "                  | VIGAS Y PLACA EN CONCRETO | 2                 | 7.05  | Ancho 0.56<br>Alto 0.50 |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  |                         | "                 |                |   |
| 18                                                                                                     | Puente Suarez Rio Coca         | 238.731 | 49.90     | Inferior           | THROUGH DECK              | 2                 | 51.20 | 943                     | 4.87              | Celosia  |       |                 |   | 38x8                                  | 7     | 4.47 | 1.13              | 8.53      | 15x15   | 0.01 |   |                      | 6           | 8.52         | 0.81              | 1.97      | 15x15   | 0.01 |   |            | E-40                  | 118.083                 | "                 |                |   |
| 19                                                                                                     | Viaducto de Gelima (1er Tramo) | 249.781 | 20.85     | Superior           |                           | 2                 | 21.40 | 1.85                    | 2.28              |          | 15x15 | R.V. 18<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 26.322                  | "                 |                |   |
| 20                                                                                                     | " " " (2º " )                  | 249.802 | 10.05     | "                  | "                         | 2                 | 10.05 | 1.28                    | 2.33              |          | 15x15 | R.V. 9<br>0.01  |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 6.495                   | "                 |                |   |
| 21                                                                                                     | " " " (3er " )                 | 249.939 | 20.75     | "                  | "                         | 2                 | 21.40 | 1.85                    | 2.27              |          | 15x15 | R.V. 18<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 26.322                  | "                 |                |   |
| 22                                                                                                     | Puente Rio Piendamó            | 295.451 | 57.63     | Inferior           | THROUGH DECK              | 2                 | 59.13 | 11.45                   | 4.87              | Celosia  | 10x15 |                 |   | 51x15<br>31x34                        | 7     | 4.50 | 1.27              | 7.39      | 10x15   |      |   |                      | Ex 2<br>C 6 | 7.85<br>7.35 | 0.94              | 1.52      | 10x16   | 0.01 |   |            | E-40                  | 143.172                 | "                 |                |   |
| 23                                                                                                     | Viaducto Cajibío (1er Tramo)   | 298.480 | 10.00     | Superior           |                           | 2                 | 10.52 | 1.42                    | 1.82              |          | 15x15 | R.V. 13<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 6.917                   | "                 |                |   |
| 24                                                                                                     | " " (2º " )                    | 298.490 | 9.95      | "                  | "                         | 2                 | 9.95  | 1.41                    | 1.83              |          | 15x15 | R.V. 9<br>0.01  |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 6.318                   | "                 |                |   |
| 25                                                                                                     | " " (3er " )                   | 298.500 | 10.10     | "                  | "                         | 2                 | 10.50 | 1.41                    | 1.83              |          | 15x15 | R.V. 15<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 6.904                   | "                 |                |   |
| 26                                                                                                     | Puente Rio Palacé              | 314.013 | 33.42     | Inferior           | THROUGH DECK              | 2                 | 34.42 | 9.02                    | 4.71              |          | 10x15 |                 |   | 38x8<br>25x32                         | 3     | 4.45 | 1.22              | 8.61      | 15x15   | 0.01 |   |                      | Ex 2<br>C 2 | 8.95<br>8.58 | 0.90              | 1.53      | 15x15   | 0.01 |   |            | E-40                  | 59.633                  | "                 |                |   |
| 27                                                                                                     | " " Cauca                      | 326.782 | 33.42     | "                  | "                         | 2                 | 34.42 | 8.92                    | 4.95              |          | 10x15 |                 |   | 38x8<br>25x32                         | 3     | 4.45 | 1.22              | 8.61      | 15x15   | 0.01 |   |                      | Ex 2<br>C 2 | 8.95<br>8.58 | 0.90              | 1.53      | 15x15   | 0.01 |   |            | E-40                  | 59.633                  | "                 |                |   |
| SECCION SEGUNDA RAMAL -TIMBA-SANTANDER K-216 a K-238                                                   |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |
| 1                                                                                                      | Pontón Paso Superior           | 4.197   | 5.94      | Superior           | THROUGH DECK              | 2                 | 6.65  | 0.77                    | 1.53              |          | 10x15 | R.V. 4<br>0.01  |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 3.134                   | En buen Estado    |                |   |
| 2                                                                                                      | " " "                          | 4.211   | 5.95      | "                  | "                         | 2                 | 6.65  | 0.77                    | 1.53              |          | 10x15 | R.V. 4<br>0.01  |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 3.134                   | "                 |                |   |
| 3                                                                                                      | Puente Rio Cauca (La Bolsa)    | 4.489   | 64.70     | Inferior           | THROUGH DECK              | 2                 | 65.85 | 11.28<br>9.97<br>8.57   | 4.89              |          | 10x15 | 0.01            |   | 4 Tramos<br>8.23x36<br>45x10<br>34x32 | 9     | 4.48 | 1.02              | 8.23      | 9x15    | 0.01 |   |                      | 8           | 8.21         | 0.87              | 1.52      | 10x15   | 0.01 |   |            | E-30                  | 171.869                 | En regular Estado |                |   |
| 4                                                                                                      | Pontón San Miguel (Zanjón)     | 9.013   | 6.00      | Superior           | THROUGH DECK              | 2                 | 6.85  | 0.77                    | 1.52              |          | 10x15 | 0.01            |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-40                  | 3.322                   | "                 |                |   |
| 5                                                                                                      | Puente Rio La Tota             | 9.252   | 15.83     | Inferior           | PONNY                     | 2                 | 16.75 | 2.64                    | 4.68              |          | 9x13  |                 |   | 20x6<br>26x27                         | 4     | 4.39 | 0.72              | 3.35      | 10x15   | 0.01 |   |                      | Ex 2<br>C 3 | 3.54<br>3.34 | 0.46              | 1.52      |         |      |   |            | I I<br>46x9           | E-40                    | 18.782            | En buen Estado |   |
| 6                                                                                                      | " " Quimbaya                   | 17.304  | 29.55     | "                  | THROUGH DECK              | 2                 | 30.80 | 7.28                    | 4.90              |          | 8x13  |                 |   | 30x8<br>22x27                         | 4     | 4.42 | 0.92              | 6.16      | 10x15   | 0.01 |   |                      | Ex 2<br>C 3 | 6.50<br>6.15 | 0.61              | 1.53      |         |      |   |            | I I<br>61x20          | E-40                    | 50.358            | "              |   |
| 7                                                                                                      | Pontón Canal de Riego          | 18.424  | 5.90      | Superior           |                           | 2                 | 6.85  | 0.77                    | 1.53              |          | 9x15  | R.V. 4<br>0.01  |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-30                  | 3.322                   | En regular Estado |                |   |
| 8                                                                                                      | Puente Rio Agua Sucia          | 19.625  | 11.95     | "                  | "                         | 2                 | 13.10 | 1.60                    | 1.78              |          | 15x15 | 0.01            |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-30                  | 10.578                  | "                 |                |   |
| SECCION SEGUNDA RAMAL FERREIRA (CARBONERAS) K-214 a K-21                                               |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |
| 1                                                                                                      | Pontón Quebrada-Grande         | 215.260 | 7.57      | Superior           | THROUGH DECK              | 2                 | 8.80  | 0.97                    | 1.53              |          | 15x15 | R.V. 11<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | E-30                  | 5.104                   | En regular Estado |                |   |
| SECCION SEGUNDA RAMAL A LOS TALLERES DE CHIPICHAPE K-174 a TALLERES                                    |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |
| 1                                                                                                      | Puente Paso Superior Carretera | 175.200 | 17.92     | Doble Via Inferior | PONNY                     | 3                 | 18.95 | 1.08<br>1.54            | 4.03<br>4.03      |          | 15x15 | R.V. 20<br>0.01 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            | I I<br>34x14          | E-50                    | 35.531            | En buen Estado |   |
| NOTA: LOS DATOS DE LAS ABCISAS FUERON SUMINISTRADOS POR LOS INGENIEROS E INSPECTORES CORRESPONDIENTES. |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |
| BOGOTÁ D.E. JULIO DE 1962                                                                              |                                |         |           |                    |                           |                   |       |                         |                   |          |       |                 |   |                                       |       |      |                   |           |         |      |   |                      |             |              |                   |           |         |      |   |            |                       |                         |                   |                |   |

NOTA: LOS DATOS DE LAS ABSISAS FUERON SUMINISTRADOS POR LOS INGENIEROS E INSPECTORES CORRESPONDIENTES.

BOGOTÁ D.E. JULIO DE 1962