

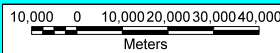
# **12 GUERRERO**





# 12 GUERRERO

| Simbología | Nivel de Servicio | Red Libre     |        | Red Cuota     |        | Ambas Redes   |        |
|------------|-------------------|---------------|--------|---------------|--------|---------------|--------|
|            |                   | Longitud (km) | %      | Longitud (km) | %      | Longitud (km) | %      |
|            | A                 | 63.010        | 3.18%  | 4.400         | 1.27%  | 67.410        | 2.89%  |
|            | B                 | 285.990       | 14.42% | 248.320       | 71.51% | 534.310       | 22.93% |
|            | C                 | 805.610       | 40.63% | 42.450        | 12.22% | 848.060       | 36.40% |
|            | D                 | 434.540       | 21.91% | 48.420        | 13.94% | 482.960       | 20.73% |
|            | E                 | 349.540       | 17.63% | 3.660         | 1.05%  | 353.200       | 15.16% |
|            | F                 | 44.180        | 2.23%  |               |        | 44.180        | 1.90%  |
| TOTAL      |                   | 1,982.870     | 100%   | 347.250       | 100%   | 2,330.120     | 100%   |





| CAPACIDAD Y NIVELES DE SERVICIO                                 |        |       |   |     |        |                           |                       |     |     |       |       |        |
|-----------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-----|-----|-------|-------|--------|
| <b>ESTADO: GUERRERO</b>                                         |        |       |   |     |        |                           |                       |     |     |       |       |        |
| <b>AÑO: 2016</b>                                                |        |       |   |     |        |                           |                       |     |     |       |       |        |
| <b>Carr.:Acapulco - Zihuatanejo</b>                             |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |       |       |        |
| TRAMO                                                           | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |       |       | N<br>S |
|                                                                 |        |       | B | Cam |        |                           | A                     | B   | C   | D     | E     |        |
| Acapulco - T. Izq. Pie de La Cuesta                             | 10.37  | 1,284 | 3 | 15  | M      | 2                         | 51                    | 109 | 191 | 283   | 696   | F      |
| T. Izq. Pie de La Cuesta - T. Der. Libramiento de Acapulco      | 21.37  | 1,005 | 1 | 16  | P      | 2                         | 164                   | 341 | 569 | 954   | 1,966 | E      |
| T. Der. Libramiento de Acapulco - Coyuca de Benítez             | 33.60  | 731   | 2 | 13  | L      | 2                         | 83                    | 206 | 379 | 567   | 1,263 | E      |
| Coyuca de Benítez - T. Der. Atoyac de Álvarez                   | 77.85  | 616   | 1 | 9   | L      | 2                         | 98                    | 247 | 456 | 681   | 1,514 | D      |
| T. Der. Atoyac de Álvarez - T. C. Libramiento de Técpan (Cuota) | 102.00 | 636   | 2 | 15  | P      | 2                         | 158                   | 329 | 548 | 922   | 1,902 | D      |
| T. C. Libramiento de Técpan (Cuota) - Técpan de Galeana         | 103.60 | 435   | 2 | 14  | P      | 2                         | 155                   | 322 | 537 | 901   | 1,860 | C      |
| Técpan de Galeana - T. C. Libramiento de Técpan (Cuota)         | 110.20 | 990   | 1 | 7   | P      | 2                         | 196                   | 414 | 690 | 1,140 | 2,208 | D      |
| T. C. Libramiento de Técpan (Cuota) - Papanoa                   | 162.25 | 385   | 3 | 19  | L      | 2                         | 72                    | 175 | 320 | 481   | 1,072 | D      |
| Papanoa - Petatán                                               | 206.30 | 402   | 3 | 12  | L      | 2                         | 86                    | 212 | 389 | 585   | 1,303 | D      |
| Petatán - Zihuatanejo                                           | 242.90 | 1,436 | 1 | 9   | L      | 2                         | 97                    | 244 | 450 | 672   | 1,496 | E      |

| <b>Carr.:Cd. Altamirano - T. C. (Zihuatanejo - La Mira)</b> |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
|-------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                       | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                             |        |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Cd. Altamirano - T. Der. Zirándaro                          | 15.00  | 1,373 | 0 | 9   | M      | 4 *                       |                       | 1,656 | 2,245 | 2,944 | 3,680 | B      |
| T. Der. Zirándaro - T. C. Zihuatanejo - La Mira             | 187.36 | 143   | 1 | 13  | M      | 2                         | 43                    | 94    | 166   | 247   | 613   | C      |

| <b>Carr.:Chilpancingo - Acapulco</b>                                  |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |        |        |        |
|-----------------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|--------|--------|--------|
| TRAMO                                                                 | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |        |        | N<br>S |
|                                                                       |        |       | B | Cam |        |                           | A                     | B     | C     | D      | E      |        |
| Chilpancingo - T. C. Cuernavaca - Acapulco (Cuota)                    | 4.20   | 5,375 | 2 | 8   | P      | 8                         | 4,731                 | 6,958 | 9,184 | 11,549 | 13,915 | B      |
| T. C. Cuernavaca - Acapulco (Cuota) - Petaquillas                     | 12.01  | 1,849 | 0 | 8   | P      | 4                         | 2,367                 | 3,481 | 4,595 | 5,779  | 6,963  | A      |
| Petaquillas - El Ocotito                                              | 50.68  | 598   | 1 | 7   | M      | 2                         | 59                    | 137   | 240   | 368    | 912    | E      |
| El Ocotito - T. Izq. Tierra Colorada Inicia                           | 61.18  | 396   | 1 | 10  | M      | 2                         | 62                    | 138   | 243   | 366    | 843    | E      |
| T. Izq. Tierra Colorada Inicia - T. Izq. Tierra Colorada Termina      | 65.14  | 377   | 1 | 12  | L      | 2                         | 80                    | 199   | 365   | 545    | 1,227  | D      |
| T. Izq. Tierra Colorada Termina - X. C. Cuernavaca - Acapulco (Cuota) | 70.10  | 400   | 1 | 13  | L      | 2                         | 95                    | 234   | 431   | 643    | 1,324  | C      |
| X. C. Cuernavaca - Acapulco (Cuota) - T. Der. Pablo Galeana           | 88.15  | 205   | 2 | 17  | L      | 2                         | 70                    | 169   | 311   | 465    | 1,047  | C      |
| T. Der. Pablo Galeana - T. Der. Libramiento Norte de Acapulco         | 112.80 | 437   | 1 | 12  | L      | 2                         | 90                    | 225   | 414   | 618    | 1,375  | D      |
| T. Der. Libramiento Norte de Acapulco - Acapulco                      | 132.67 | 782   | 2 | 14  | L      | 2                         | 124                   | 307   | 565   | 845    | 1,494  | D      |

| CAPACIDAD Y NIVELES DE SERVICIO                     |       |      |   |     |        |                           |                       |     |     |     |     |        |
|-----------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-----|--------|
| <b>ESTADO: GUERRERO</b>                             |       |      |   |     |        |                           |                       |     |     |     |     |        |
| <b>AÑO: 2016</b>                                    |       |      |   |     |        |                           |                       |     |     |     |     |        |
| <b>Carr.:Chilpancingo - Chichihualco</b>            |       |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |     |        |
| TRAMO                                               | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                     |       |      | B | Cam |        |                           | A                     | B   | C   | D   | E   |        |
| T. C. Cuernavaca - Chilpancingo - T. Der. El Palmar | 15.10 | 185  | 1 | 12  | M      | 2                         | 45                    | 98  | 172 | 257 | 644 | D      |
| T. Der. El Palmar - Chichihualco                    | 26.30 | 89   | 1 | 8   | M      | 2                         | 50                    | 112 | 197 | 299 | 750 | B      |

| <b>Carr.:Chilpancingo - Jilotepec</b>          |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|------------------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                          | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                |        |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| Chilpancingo - T. Der. Tixtla de Guerrero      | 16.30  | 453  | 0 | 4   | L      | 2                         | 104                   | 272 | 501 | 745 | 1,663 | C      |
| T. Der. Tixtla de Guerrero - T. Izq. Almolonga | 28.20  | 539  | 0 | 6   | M      | 2                         | 64                    | 149 | 262 | 405 | 1,005 | E      |
| T. Izq. Almolonga - Chilapa de Álvarez         | 53.62  | 302  | 1 | 11  | P      | 2                         | 142                   | 299 | 499 | 830 | 1,743 | C      |
| Chilapa de Álvarez - Tlapa de Comonfort        | 178.50 | 458  | 0 | 13  | M      | 2                         | 47                    | 102 | 180 | 268 | 671   | E      |
| Tlapa de Comonfort - Huamuxtitlán              | 200.63 | 327  | 1 | 11  | L      | 2                         | 78                    | 196 | 361 | 538 | 1,220 | C      |
| Huamuxtitlán - Xochihuehuetlán                 | 216.80 | 118  | 4 | 19  | L      | 2                         | 65                    | 157 | 290 | 434 | 969   | B      |
| Xochihuehuetlán - Jilotepec                    | 235.00 | 136  | 4 | 19  | L      | 2                         | 60                    | 144 | 265 | 397 | 901   | B      |

| <b>Carr.:Cuernavaca - Chilpancingo</b>                                   |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |       |       |        |
|--------------------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-----|-----|-------|-------|--------|
| TRAMO                                                                    | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |       |       | N<br>S |
|                                                                          |        |       | B | Cam |        |                           | A                     | B   | C   | D     | E     |        |
| Lim. Edos. Term. Mor. Ppia. Gro. - T. Der. Ixtapan de La Sal (Axixintla) | 63.47  | 150   | 1 | 10  | L      | 2                         | 77                    | 195 | 359 | 536   | 1,205 | B      |
| T. Der. Ixtapan de La Sal (Axixintla) - Taxco                            | 89.90  | 283   | 1 | 8   | M      | 2                         | 56                    | 127 | 223 | 339   | 843   | D      |
| Taxco - Iguala                                                           | 119.63 | 459   | 1 | 6   | M      | 2                         | 64                    | 149 | 262 | 405   | 1,005 | E      |
| Iguala - T. Izq. Puente de Ixtla                                         | 123.98 | 843   | 1 | 9   | P      | 2                         | 171                   | 360 | 600 | 994   | 2,052 | D      |
| T. Izq. Puente de Ixtla - T. Der. Sabana Grande                          | 144.95 | 821   | 2 | 13  | P      | 2                         | 204                   | 425 | 709 | 1,186 | 2,104 | D      |
| T. Der. Sabana Grande - T. Der. Tecuescontitlán                          | 146.78 | 464   | 3 | 17  | P      | 2                         | 219                   | 455 | 758 | 1,280 | 2,107 | C      |
| T. Der. Tecuescontitlán - T. Der. Mezcala                                | 173.14 | 418   | 2 | 18  | L      | 2                         | 99                    | 240 | 442 | 661   | 1,240 | C      |
| T. Der. Mezcala - T. Der. Filo de Caballo                                | 189.89 | 416   | 4 | 19  | L      | 2                         | 104                   | 251 | 462 | 693   | 1,235 | C      |
| T. Der. Filo de Caballo - Chilpancingo                                   | 223.70 | 1,662 | 4 | 15  | L      | 2                         | 107                   | 263 | 485 | 729   | 1,368 | F      |

| <b>Carr.:Ent. Alpuyeca - Grutas de Cacahuamilpa</b>         |       |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|-------------------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                                       | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                             |       |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| Lim. Edos. Term. Mor. Ppia. Gro. - T. C. Toluca - Axixintla | 48.65 | 220  | 1 | 8   | L      | 2                         | 75                    | 190 | 350 | 522 | 1,209 | C      |

| CAPACIDAD Y NIVELES DE SERVICIO       |        |      |   |     |        |                           |                       |     |     |       |       |        |
|---------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-------|-------|--------|
| <b>ESTADO: GUERRERO</b>               |        |      |   |     |        |                           |                       |     |     |       |       |        |
| <b>AÑO: 2016</b>                      |        |      |   |     |        |                           |                       |     |     |       |       |        |
| <b>Carr.:Iguala - Cd. Altamirano</b>  |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |       |       |        |
| TRAMO                                 | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |       |       | N<br>S |
|                                       |        |      | B | Cam |        |                           | A                     | B   | C   | D     | E     |        |
| Iguala - T. Izq. Cocula               | 9.40   | 540  | 1 | 12  | P      | 2                         | 157                   | 330 | 550 | 917   | 1,895 | C      |
| T. Izq. Cocula - T. Izq. Teloloapan   | 63.99  | 306  | 2 | 13  | M      | 2                         | 50                    | 109 | 192 | 286   | 704   | E      |
| T. Izq. Teloloapan - T. Izq. Almoloya | 116.60 | 90   | 5 | 17  | M      | 2                         | 34                    | 73  | 129 | 190   | 471   | C      |
| T. Izq. Almoloya - T. Izq. Arcelia    | 131.98 | 224  | 4 | 15  | M      | 2                         | 40                    | 86  | 152 | 224   | 558   | D      |
| T. Izq. Arcelia - Cd. Altamirano      | 184.55 | 911  | 1 | 11  | P      | 2                         | 239                   | 502 | 837 | 1,394 | 2,293 | D      |

| <b>Carr.:La Sabana - Puerto Marqués</b>                                     |      |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
|-----------------------------------------------------------------------------|------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                                       | Km   | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                                             |      |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| T. C. Las Cruces - Pinotepa Nacional - X. C. Acapulco - Aeropuerto Acapulco | 7.20 | 2,489 | 1 | 7   | P      | 4                         | 2,286                 | 3,362 | 4,438 | 5,581 | 6,724 | B      |
| X. C. Acapulco - Aeropuerto Acapulco - Puerto Marqués                       | 8.70 | 3,029 | 1 | 7   | P      | 4                         | 2,456                 | 3,612 | 4,768 | 5,996 | 7,224 | B      |

| <b>Carr.:Las Cruces - Pinotepa Nacional</b>                      |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
|------------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                            | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                                  |        |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| T. C. Chilpancingo - Acapulco - T. Der. Puerto Marqués           | 4.62   | 2,495 | 0 | 7   | P      | 4                         | 2,242                 | 3,297 | 4,352 | 5,474 | 6,595 | B      |
| T. Der. Puerto Marqués - X. C. Puerto Marqués - La Venta (Cuota) | 11.70  | 923   | 1 | 8   | P      | 2                         | 167                   | 352   | 586   | 972   | 2,007 | D      |
| X. C. Puerto Marqués - La Venta (Cuota) - San Marcos             | 58.90  | 638   | 1 | 11  | P      | 4                         | 2,317                 | 3,408 | 4,499 | 5,657 | 6,816 | A      |
| San Marcos - Nexpa                                               | 84.96  | 485   | 1 | 13  | P      | 2                         | 164                   | 342   | 571   | 955   | 1,967 | C      |
| Nexpa - T. Izq. Copala (1º Acceso)                               | 117.50 | 404   | 2 | 14  | L      | 2                         | 105                   | 258   | 474   | 708   | 1,396 | C      |
| T. Izq. Copala (1º Acceso) - T. Izq. Ometepec                    | 175.88 | 429   | 2 | 14  | L      | 2                         | 76                    | 187   | 345   | 515   | 1,158 | D      |
| T. Izq. Ometepec - Cuajinicuilapa                                | 200.60 | 295   | 2 | 14  | L      | 2                         | 91                    | 224   | 412   | 617   | 1,252 | C      |
| Cuajinicuilapa - Lim. Edos. Term. Gro. Ppia. Oax.                | 207.80 | 185   | 2 | 14  | L      | 2                         | 72                    | 178   | 328   | 491   | 1,095 | C      |

| <b>Carr.:Libramiento Norte de Acapulco</b>      |       |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|-------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                           | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                 |       |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| T. C. Chilpancingo - Acapulco - T. Der. Pelillo | 6.40  | 351  | 2 | 22  | L      | 2                         | 70                    | 169 | 311 | 465 | 1,035 | D      |
| T. Der. Pelillo - T. C. Acapulco - Zihuatanejo  | 21.10 | 296  | 3 | 17  | L      | 2                         | 75                    | 182 | 335 | 502 | 1,117 | C      |

| CAPACIDAD Y NIVELES DE SERVICIO                         |        |      |   |     |        |                           |                       |     |     |     |       |        |
|---------------------------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| <b>ESTADO: GUERRERO</b>                                 |        |      |   |     |        |                           |                       |     |     |     |       |        |
| <b>AÑO: 2016</b>                                        |        |      |   |     |        |                           |                       |     |     |     |       |        |
| <b>Carr.:Milpillás - T. C. (Acapulco - Zihuatanejo)</b> |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
| TRAMO                                                   | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                         |        |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| T. C. Cuernavaca - Chilpancingo - Los Morros            | 45.07  | 92   | 0 | 15  | M      | 2                         | 41                    | 86  | 152 | 225 | 558   | C      |
| Los Morros - Atoyac de Álvarez                          | 233.50 | 87   | 0 | 10  | M      | 2                         | 44                    | 98  | 171 | 258 | 652   | B      |
| Atoyac de Álvarez - T. C. Acapulco - Zihuatanejo        | 237.00 | 830  | 0 | 6   | P      | 2                         | 141                   | 299 | 498 | 820 | 1,760 | E      |

| <b>Carr.:Ramal a Aeropuerto Zihuatanejo</b> |      |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|---------------------------------------------|------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                       | Km   | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                             |      |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| T. C. Acapulco - Zihuatanejo - Aeropuerto   | 2.00 | 293  | 0 | 7   | P      | 2                         | 155                   | 328 | 546 | 900 | 1,863 | B      |

| <b>Carr.:Ramal a La Unión</b>          |      |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|----------------------------------------|------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                  | Km   | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                        |      |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| T. C. Zihuatanejo - La Mira - La Unión | 6.10 | 165  | 1 | 12  | P      | 2                         | 131                   | 274 | 457 | 760 | 1,598 | B      |

| <b>Carr.:San Juan de Los Llanos - Ometepe</b>  |       |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |     |        |
|------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-----|--------|
| TRAMO                                          | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                |       |      | B | Cam |        |                           | A                     | B   | C   | D   | E   |        |
| T. C. Las Cruces - Pinotepa Nacional - Ometepe | 15.94 | 464  | 0 | 9   | M      | 2                         | 70                    | 157 | 276 | 418 | 942 | E      |

| <b>Carr.:Tierra Colorada - Cruz Grande</b>         |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|----------------------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                              | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                    |        |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| Tierra Colorada - Tecoaapa                         | 61.00  | 229  | 2 | 12  | L      | 2                         | 77                    | 191 | 352 | 526 | 1,184 | C      |
| Tecoaapa - Ayutla de Los Libres                    | 82.00  | 435  | 0 | 11  | L      | 2                         | 108                   | 270 | 498 | 741 | 1,445 | C      |
| Ayutla de Los Libres - Cruz Grande                 | 113.80 | 291  | 1 | 14  | L      | 2                         | 83                    | 204 | 375 | 560 | 1,245 | C      |
| Cruz Grande - T. C. Las Cruces - Pinotepa Nacional | 114.80 | 219  | 1 | 14  | L      | 2                         | 80                    | 197 | 363 | 541 | 1,206 | C      |

| <b>Carr.:Toluca - Axixintla</b>                 |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|-------------------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                           | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                 |        |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| Lim. Edos. Term. Mex. Ppia. Gro. - Cacahuamilpa | 120.30 | 257  | 5 | 13  | L      | 2                         | 71                    | 176 | 324 | 489 | 1,099 | C      |
| Cacahuamilpa - T. C. Cuernavaca - Chilpancingo  | 125.30 | 113  | 3 | 14  | L      | 2                         | 69                    | 169 | 312 | 468 | 1,053 | B      |

| CAPACIDAD Y NIVELES DE SERVICIO                    |        |      |   |     |        |                           |                       |     |     |     |       |        |
|----------------------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| <b>ESTADO: GUERRERO</b>                            |        |      |   |     |        |                           |                       |     |     |     |       |        |
| <b>AÑO: 2016</b>                                   |        |      |   |     |        |                           |                       |     |     |     |       |        |
| <b>Carr.:Toluca - Cd. Altamirano</b>               |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
| TRAMO                                              | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                    |        |      | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| Lim. Edos. Term. Mex. Ppia. Gro. - Cutzamala       | 196.00 | 253  | 2 | 16  | L      | 2                         | 70                    | 173 | 318 | 477 | 1,072 | C      |
| Cutzamala - Lim. Edos. Term. Gro. Ppia. Mich.      | 201.00 | 253  | 2 | 16  | L      | 2                         | 70                    | 173 | 318 | 477 | 1,072 | C      |
| Lim. Edos. Term. Mich. Ppia. Gro. - Cd. Altamirano | 216.00 | 337  | 1 | 15  | P      | 2                         | 137                   | 286 | 477 | 799 | 1,679 | C      |

| <b>Carr.:Zihuatanejo - La Mira</b>                  |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
|-----------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                               | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                     |        |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Zihuatanejo - T. Izq. Ixtapa Zihuatanejo            | 8.00   | 2,318 | 2 | 12  | P      | 4                         | 2,394                 | 3,521 | 4,647 | 5,844 | 7,041 | A      |
| T. Izq. Ixtapa Zihuatanejo - T. Der. Cd. Altamirano | 16.30  | 421   | 1 | 18  | L      | 2                         | 69                    | 168   | 309   | 461   | 1,046 | D      |
| T. Der. Cd. Altamirano - T. Der. La Unión           | 52.00  | 272   | 0 | 19  | L      | 2                         | 69                    | 166   | 305   | 454   | 1,021 | C      |
| T. Der. La Unión - Zacatula                         | 93.50  | 349   | 3 | 12  | L      | 2                         | 97                    | 243   | 447   | 670   | 1,400 | C      |
| Zacatula - Lim. Edos. Term. Gro. Ppia. Mich.        | 102.30 | 242   | 1 | 7   | L      | 2                         | 90                    | 232   | 427   | 637   | 1,421 | C      |

| <b>Carr.:Cuernavaca - Acapulco (Cuota)</b>                                    |        |       |   |     |        | <b>Red: Federal Cuota</b> |                       |       |       |       |       |        |
|-------------------------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                                         | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                                               |        |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Lim. Edos. Term. Mor. Ppia. Gro. - Caseta de Cobro Paso Morelos               | 82.94  | 1,122 | 9 | 15  | L      | 4 *                       |                       | 2,369 | 3,189 | 3,918 | 4,556 | B      |
| Caseta de Cobro Paso Morelos - Caseta de Cobro Palo Blanco                    | 193.90 | 1,227 | 8 | 16  | L      | 4 *                       |                       | 2,376 | 3,199 | 3,930 | 4,570 | B      |
| Caseta de Cobro Palo Blanco - X. C. Chilpancingo - Acapulco (Tierra Colorada) | 226.20 | 672   | 6 | 17  | L      | 4 *                       |                       | 2,301 | 3,097 | 3,805 | 4,424 | B      |
| X. C. Chilpancingo - Acapulco (Tierra Colorada) - Caseta de Cobro La Venta    | 269.95 | 729   | 8 | 16  | L      | 4 *                       |                       | 2,312 | 3,112 | 3,823 | 4,446 | B      |
| Caseta de Cobro La Venta - T. C. Chilpancingo - Acapulco (Ent. La Venta)      | 271.50 | 807   | 5 | 17  | L      | 4 *                       |                       | 2,386 | 3,211 | 3,945 | 4,588 | B      |

| <b>Carr.:Libramiento de Tépán (Cuota)</b>                       |      |      |   |     |        | <b>Red: Federal Cuota</b> |                       |     |     |       |       |        |
|-----------------------------------------------------------------|------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-------|-------|--------|
| TRAMO                                                           | Km   | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |       |       | N<br>S |
|                                                                 |      |      | B | Cam |        |                           | A                     | B   | C   | D     | E     |        |
| T. C. Acapulco - Zihuatanejo (Oriente) - Caseta de Cobro Tépán  | 2.60 | 167  | 5 | 18  | P      | 2                         | 245                   | 447 | 717 | 1,152 | 1,869 | A      |
| Caseta de Cobro Tépán - T. C. Acapulco - Zihuatanejo (Poniente) | 4.40 | 167  | 3 | 15  | P      | 2                         | 254                   | 466 | 749 | 1,190 | 1,931 | A      |

| CAPACIDAD Y NIVELES DE SERVICIO                                 |        |      |   |     |        |                    |                       |     |     |     |       |        |
|-----------------------------------------------------------------|--------|------|---|-----|--------|--------------------|-----------------------|-----|-----|-----|-------|--------|
| ESTADO: GUERRERO                                                |        |      |   |     |        |                    |                       |     |     |     |       |        |
| AÑO: 2016                                                       |        |      |   |     |        |                    |                       |     |     |     |       |        |
| Carr.:Nueva Italia - Lázaro Cárdenas (Cuota)                    |        |      |   |     |        | Red: Federal Cuota |                       |     |     |     |       |        |
| TRAMO                                                           | Km     | V.H. | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                                 |        |      | B | Cam |        |                    | A                     | B   | C   | D   | E     |        |
| Lim. Edos. Term. Mich. Ppia. Gro. - Caseta de Cobre Feliciano   | 282.00 | 221  | 5 | 12  | L      | 2                  | 151                   | 317 | 538 | 797 | 1,383 | B      |
| Caseta de Cobre Feliciano - X. C. Zihuatanejo - La Mira         | 282.37 | 189  | 6 | 28  | L      | 2                  | 108                   | 214 | 363 | 538 | 933   | B      |
| X. C. Zihuatanejo - La Mira - X. C. Zihuatanejo - La Mira       | 306.27 | 279  | 4 | 33  | L      | 2                  | 114                   | 225 | 382 | 563 | 931   | C      |
| X. C. Zihuatanejo - La Mira - Lim. Edos. Term. Gro. Ppia. Mich. | 307.00 | 279  | 4 | 33  | L      | 2                  | 114                   | 225 | 382 | 563 | 931   | C      |

| Carr.:Puente de Ixtla - Iguala (Cuota)                |       |      |   |     |        | Red: Federal Cuota |                       |     |     |     |     |        |
|-------------------------------------------------------|-------|------|---|-----|--------|--------------------|-----------------------|-----|-----|-----|-----|--------|
| TRAMO                                                 | Km    | V.H. | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                       |       |      | B | Cam |        |                    | A                     | B   | C   | D   | E   |        |
| Lim. Edos. Term. Mor. Ppia. Gro. - T. Izq. Buenavista | 33.58 | 306  | 5 | 22  | M      | 2                  | 70                    | 127 | 221 | 311 | 581 | D      |
| T. Izq. Buenavista - Caseta de Cobre Iguala           | 59.14 | 306  | 5 | 22  | M      | 2                  | 70                    | 127 | 221 | 311 | 581 | D      |
| Caseta de Cobre Iguala - T. Der. Iguala               | 59.50 | 376  | 7 | 26  | M      | 2                  | 61                    | 109 | 191 | 266 | 498 | E      |
| T. Der. Iguala - T. C. Cuernavaca - Chilpancingo      | 62.80 | 376  | 7 | 26  | M      | 2                  | 44                    | 78  | 137 | 192 | 437 | E      |

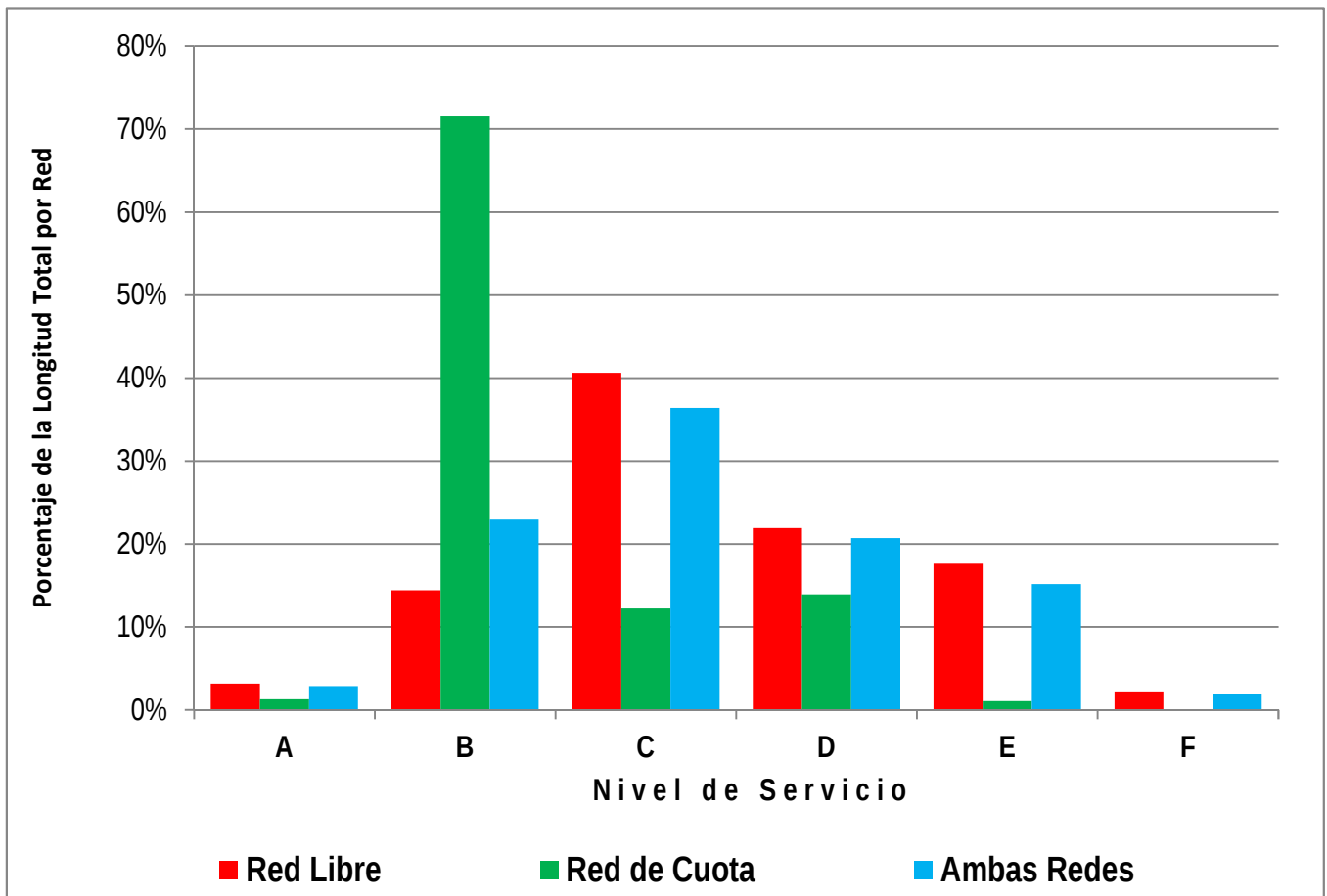
| Carr.:Rancho Viejo - Taxco (Cuota)                      |      |      |   |     |        | Red: Federal Cuota |                       |     |     |     |       |        |
|---------------------------------------------------------|------|------|---|-----|--------|--------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                                   | Km   | V.H. | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                         |      |      | B | Cam |        |                    | A                     | B   | C   | D   | E     |        |
| X. C. Cuernavaca - Chilpancingo - Caseta de Cobre Taxco | 0.62 | 317  | 5 | 4   | M      | 2                  | 94                    | 196 | 344 | 519 | 1,135 | C      |
| Caseta de Cobre Taxco - T. C. Cuernavaca - Chilpancingo | 8.10 | 322  | 4 | 5   | M      | 2                  | 89                    | 184 | 321 | 480 | 1,049 | D      |

| Carr.:Zacapalco - Rancho Viejo (Cuota)                             |       |      |   |     |        | Red: Federal Cuota |                       |     |     |     |     |        |
|--------------------------------------------------------------------|-------|------|---|-----|--------|--------------------|-----------------------|-----|-----|-----|-----|--------|
| TRAMO                                                              | Km    | V.H. | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                                    |       |      | B | Cam |        |                    | A                     | B   | C   | D   | E   |        |
| T. C. Puente de Ixtla - Iguala (Cuota) - Caseta de Cobre Zacapalco | 0.50  | 227  | 5 | 6   | M      | 2                  | 83                    | 170 | 297 | 443 | 967 | C      |
| Caseta de Cobre Zacapalco - X. C. Cuernavaca - Chilpancingo        | 17.20 | 209  | 6 | 13  | M      | 2                  | 64                    | 122 | 212 | 305 | 668 | C      |

**CAPACIDAD Y NIVELES DE SERVICIO RED FEDERAL  
GUERRERO  
( 2 0 1 6 )**

| Nivel de Servicio | Red Libre     |         | Red Cuota     |         | Ambas Redes   |         |
|-------------------|---------------|---------|---------------|---------|---------------|---------|
|                   | Longitud (km) | %       | Longitud (km) | %       | Longitud (km) | %       |
| <b>A</b>          | 63.010        | 3.18%   | 4.400         | 1.28%   | 67.410        | 2.88%   |
| <b>B</b>          | 285.990       | 14.42%  | 248.320       | 71.51%  | 534.310       | 22.93%  |
| <b>C</b>          | 805.610       | 40.63%  | 42.450        | 12.22%  | 848.060       | 36.40%  |
| <b>D</b>          | 434.540       | 21.91%  | 48.420        | 13.94%  | 482.960       | 20.73%  |
| <b>E</b>          | 349.540       | 17.63%  | 3.660         | 1.05%   | 353.200       | 15.16%  |
| <b>F</b>          | 44.180        | 2.23%   |               |         | 44.180        | 1.90%   |
| <b>TOTAL</b>      | 1,982.870     | 100.00% | 347.250       | 100.00% | 2,330.120     | 100.00% |

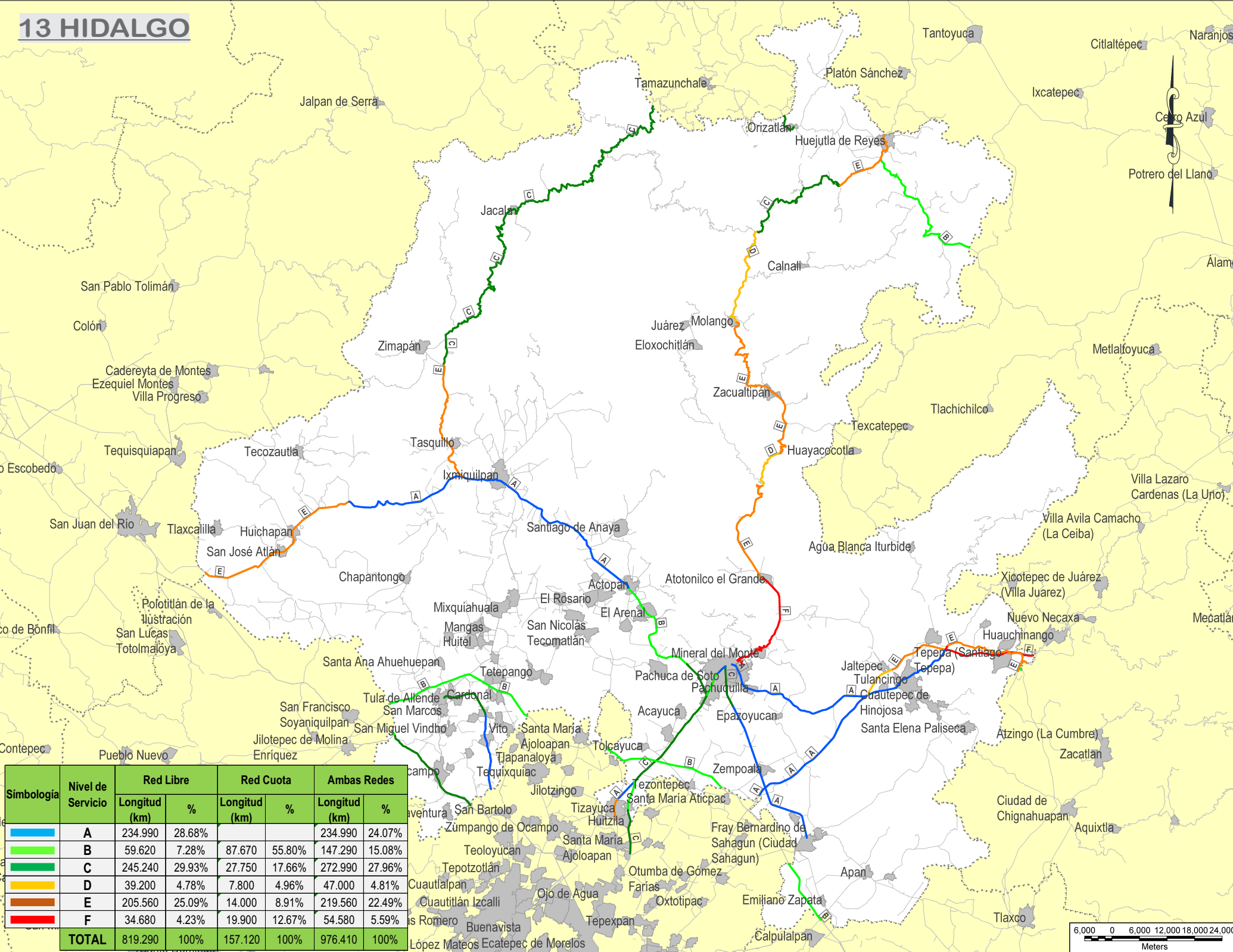




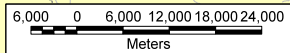
# **13 HIDALGO**



13 HIDALGO



| Simbología | Nivel de Servicio | Red Libre     |        | Red Cuota     |        | Ambas Redes   |        |
|------------|-------------------|---------------|--------|---------------|--------|---------------|--------|
|            |                   | Longitud (km) | %      | Longitud (km) | %      | Longitud (km) | %      |
|            | A                 | 234.990       | 28.68% |               |        | 234.990       | 24.07% |
|            | B                 | 59.620        | 7.28%  | 87.670        | 55.80% | 147.290       | 15.08% |
|            | C                 | 245.240       | 29.93% | 27.750        | 17.66% | 272.990       | 27.96% |
|            | D                 | 39.200        | 4.78%  | 7.800         | 4.96%  | 47.000        | 4.81%  |
|            | E                 | 205.560       | 25.09% | 14.000        | 8.91%  | 219.560       | 22.49% |
|            | F                 | 34.680        | 4.23%  | 19.900        | 12.67% | 54.580        | 5.59%  |
|            | TOTAL             | 819.290       | 100%   | 157.120       | 100%   | 976.410       | 100%   |





| CAPACIDAD Y NIVELES D E S E R V I C I O                                        |        |      |   |     |        |        |                       |     |     |     |     |        |
|--------------------------------------------------------------------------------|--------|------|---|-----|--------|--------|-----------------------|-----|-----|-----|-----|--------|
| ESTADO: HIDALGO                                                                |        |      |   |     |        |        |                       |     |     |     |     |        |
| AÑO: 2016                                                                      |        |      |   |     |        |        |                       |     |     |     |     |        |
| Carr.:Álamo - Huejutla de Reyes                                                |        |      |   |     |        |        |                       |     |     |     |     |        |
| Red: Federal Libre                                                             |        |      |   |     |        |        |                       |     |     |     |     |        |
| TRAMO                                                                          | Km     | V.H. | % |     | T<br>t | #<br>C | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                                                |        |      | B | Cam |        |        | A                     | B   | C   | D   | E   |        |
| Lim. Edos. Term. Ver. Ppia. Hgo. - T. C. Pachuca - Tempoal (Huejutla de Reyes) | 110.00 | 97   | 0 | 10  | M      | 2      | 52                    | 117 | 205 | 309 | 759 | B      |

| Carr.:Apizaco - Tejocotal                                 |        |      |   |     |        | Red: Federal Libre |                       |     |     |     |       |        |
|-----------------------------------------------------------|--------|------|---|-----|--------|--------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                                     | Km     | V.H. | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                           |        |      | B | Cam |        |                    | A                     | B   | C   | D   | E     |        |
| Lim. Edos. Term. Pue. Ppia. Hgo. - T. C. Pachuca - Túxpam | 113.15 | 858  | 5 | 19  | L      | 2                  | 73                    | 177 | 325 | 488 | 1,089 | E      |

| Carr.:Ent. Colonia - Portezuelo |       |       |   |     |        | Red: Federal Libre |                       |       |       |       |       |        |
|---------------------------------|-------|-------|---|-----|--------|--------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                           | Km    | V.H.  | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                 |       |       | B | Cam |        |                    | A                     | B     | C     | D     | E     |        |
| Ent. Colonia - T. Der. Pachuca  | 8.34  | 4,299 | 2 | 8   | P      | 4                  | 2,398                 | 3,526 | 4,655 | 5,854 | 7,053 | C      |
| T. Der. Pachuca - Actopan       | 34.13 | 2,095 | 3 | 13  | L      | 4                  | 1,758                 | 2,585 | 3,412 | 4,291 | 5,170 | B      |
| Actopan - T. Izq. Tula          | 68.20 | 1,264 | 2 | 18  | P      | 4                  | 2,213                 | 3,255 | 4,297 | 5,403 | 6,510 | A      |
| T. Izq. Tula - Ixmiquilpan      | 75.20 | 1,765 | 1 | 15  | P      | 4                  | 2,280                 | 3,353 | 4,426 | 5,566 | 6,706 | A      |
| Ixmiquilpan - Portezuelo        | 82.00 | 1,179 | 2 | 16  | P      | 4                  | 2,225                 | 3,272 | 4,319 | 5,432 | 6,544 | A      |

| Carr.:Ent. Jorobas - Tula                             |       |       |   |     |        | Red: Federal Libre |                       |       |       |       |       |        |
|-------------------------------------------------------|-------|-------|---|-----|--------|--------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                 | Km    | V.H.  | % |     | T<br>t | #<br>C             | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                       |       |       | B | Cam |        |                    | A                     | B     | C     | D     | E     |        |
| Lim. Edos. Term. Mex. Ppia. Hgo. - T. Der. Atotonilco | 21.50 | 1,298 | 1 | 16  | L      | 4                  | 1,519                 | 2,233 | 2,948 | 3,707 | 4,466 | A      |
| T. Der. Atotonilco - Tula de Allende                  | 37.70 | 2,983 | 1 | 13  | L      | 4                  | 1,700                 | 2,501 | 3,301 | 4,151 | 5,001 | C      |

| Carr.:México - Pachuca (Libre)                                            |       |       |   |     |        |        | Red: Federal Libre    |       |       |        |        |        |  |
|---------------------------------------------------------------------------|-------|-------|---|-----|--------|--------|-----------------------|-------|-------|--------|--------|--------|--|
| TRAMO                                                                     | Km    | V.H.  | % |     | T<br>t | #<br>C | VOLÚMENES DE SERVICIO |       |       |        |        | N<br>S |  |
|                                                                           |       |       | B | Cam |        |        | A                     | B     | C     | D      | E      |        |  |
| Lim. Edos. Term. Mex. Ppia. Hgo. - Tizayuca                               | 52.50 | 1,751 | 2 | 13  | P      | 2      | 228                   | 477   | 795   | 1,330  | 2,278  | E      |  |
| Tizayuca - T. C. México - Tizayuca (Cuota)                                | 61.00 | 1,751 | 2 | 13  | P      | 4      | 2,305                 | 3,390 | 4,475 | 5,628  | 6,781  | A      |  |
| T. C. México - Tizayuca (Cuota) - X. C. Arco Norte de La Ciudad de México | 64.20 | 4,133 | 5 | 15  | P      | 4      | 2,305                 | 3,390 | 4,474 | 5,627  | 6,779  | C      |  |
| X. C. Arco Norte de La Ciudad de México - Ent. Colonia                    | 83.97 | 4,385 | 4 | 11  | P      | 4      | 2,337                 | 3,437 | 4,537 | 5,705  | 6,874  | C      |  |
| Ent. Colonia - X. C. Libramiento de Pachuca                               | 86.50 | 4,129 | 3 | 10  | P      | 6      | 3,320                 | 4,883 | 6,445 | 8,106  | 9,766  | B      |  |
| X. C. Libramiento de Pachuca - Pachuca                                    | 94.00 | 4,129 | 3 | 10  | P      | 8      | 4,636                 | 6,817 | 8,999 | 11,317 | 13,634 | A      |  |

| CAPACIDAD Y NIVELES DE SERVICIO                          |       |       |   |     |        |                           |                       |       |       |       |       |        |
|----------------------------------------------------------|-------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| <b>ESTADO: HIDALGO</b>                                   |       |       |   |     |        |                           |                       |       |       |       |       |        |
| <b>AÑO: 2016</b>                                         |       |       |   |     |        |                           |                       |       |       |       |       |        |
| <b>Carr.:Pachuca - Cd. Sahagún</b>                       |       |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
| TRAMO                                                    | Km    | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                          |       |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Pachuca - T. Der. Palma Gorda                            | 11.00 | 3,522 | 1 | 9   | P      | 4                         | 2,392                 | 3,518 | 4,644 | 5,840 | 7,036 | C      |
| T. Der. Palma Gorda - X. C. Venta de Carpio - Tulancingo | 29.40 | 1,233 | 2 | 13  | L      | 4                         | 1,761                 | 2,589 | 3,418 | 4,299 | 5,179 | A      |
| X. C. Venta de Carpio - Tulancingo - Cd. Sahagún         | 44.70 | 1,159 | 2 | 15  | L      | 4                         | 1,657                 | 2,437 | 3,217 | 4,046 | 4,874 | A      |

| <b>Carr.:Pachuca - Tempoal</b>                                  |        |       |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |       |        |
|-----------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-------|--------|
| TRAMO                                                           | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |       | N<br>S |
|                                                                 |        |       | B | Cam |        |                           | A                     | B   | C   | D   | E     |        |
| Pachuca - T. Der. Omitlán de Juárez (1º Acceso)                 | 18.20  | 1,124 | 1 | 9   | M      | 2                         | 64                    | 144 | 254 | 385 | 947   | F      |
| T. Der. Omitlán de Juárez (1º Acceso) - Atotonilco El Grande    | 33.85  | 999   | 1 | 12  | M      | 2                         | 61                    | 134 | 236 | 353 | 814   | F      |
| Atotonilco El Grande - T. Izq. Metztlitlán                      | 63.70  | 637   | 1 | 10  | L      | 2                         | 89                    | 224 | 412 | 615 | 1,373 | E      |
| T. Izq. Metztlitlán - Metzquititlán                             | 75.00  | 448   | 2 | 13  | L      | 2                         | 85                    | 210 | 387 | 579 | 1,289 | D      |
| Metzquititlán - T. Izq. Zacualtipán                             | 96.50  | 656   | 2 | 12  | M      | 2                         | 53                    | 118 | 207 | 310 | 762   | E      |
| T. Izq. Zacualtipán - X. C. Molango - Xochicoatlán              | 129.80 | 444   | 2 | 12  | M      | 2                         | 53                    | 116 | 203 | 304 | 747   | E      |
| X. C. Molango - Xochicoatlán - T. Izq. Tepehuacán de Guerrero   | 157.70 | 244   | 2 | 13  | M      | 2                         | 49                    | 107 | 188 | 280 | 688   | D      |
| T. Izq. Tepehuacán de Guerrero - Tehuetlán                      | 199.20 | 149   | 3 | 13  | M      | 2                         | 46                    | 100 | 175 | 261 | 642   | C      |
| Tehuetlán - T. Izq. Huejutla (1º Acceso)                        | 214.60 | 742   | 1 | 14  | L      | 2                         | 79                    | 196 | 362 | 539 | 1,213 | E      |
| T. Izq. Huejutla (1º Acceso) - Lim. Edos. Term. Hgo. Ppia. Ver. | 217.20 | 670   | 2 | 14  | L      | 2                         | 81                    | 201 | 369 | 551 | 1,229 | E      |

| <b>Carr.:Pachuca - Tuxpam</b>                                          |       |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |        |        |        |
|------------------------------------------------------------------------|-------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|--------|--------|--------|
| TRAMO                                                                  | Km    | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |        |        | N<br>S |
|                                                                        |       |       | B | Cam |        |                           | A                     | B     | C     | D      | E      |        |
| Pachuca - X. C. Libramiento de Pachuca                                 | 2.60  | 3,113 | 1 | 5   | P      | 6                         | 3,434                 | 5,050 | 6,667 | 8,384  | 10,101 | A      |
| X. C. Libramiento de Pachuca - T. Izq. Pachuquilla (1º Acceso)         | 7.00  | 2,953 | 1 | 6   | P      | 6                         | 3,410                 | 5,015 | 6,619 | 8,324  | 10,029 | A      |
| T. Izq. Pachuquilla (1º Acceso) - T. Izq. Pachuquilla (2º Acceso)      | 10.50 | 1,637 | 1 | 10  | P      | 8                         | 4,413                 | 6,490 | 8,567 | 10,773 | 12,980 | A      |
| T. Izq. Pachuquilla (2º Acceso) - T. Der. Cd. Sahagún                  | 16.59 | 1,363 | 2 | 10  | L      | 4                         | 1,936                 | 2,846 | 3,757 | 4,725  | 5,693  | A      |
| T. Der. Cd. Sahagún - T. C. Venta de Carpio - Tulancingo               | 36.45 | 1,295 | 3 | 10  | L      | 4                         | 1,900                 | 2,795 | 3,689 | 4,639  | 5,589  | A      |
| T. C. Venta de Carpio - Tulancingo - T. Izq. Libramiento de Tulancingo | 59.33 | 1,835 | 3 | 10  | L      | 4                         | 1,848                 | 2,717 | 3,587 | 4,511  | 5,435  | A      |
| T. Izq. Libramiento de Tulancingo - T. Izq. Huayacocotla               | 60.16 | 1,126 | 5 | 10  | M      | 2                         | 79                    | 178   | 313   | 473    | 927    | F      |
| T. Izq. Huayacocotla - Lim. Edos. Term. Hgo. Ppia. Pue.                | 83.18 | 933   | 4 | 17  | L      | 2                         | 113                   | 275   | 508   | 763    | 1,354  | E      |

| CAPACIDAD Y NIVELES DE SERVICIO                             |        |      |   |     |        |                           |                       |     |     |     |     |        |
|-------------------------------------------------------------|--------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-----|--------|
| <b>ESTADO: HIDALGO</b>                                      |        |      |   |     |        |                           |                       |     |     |     |     |        |
| <b>AÑO: 2016</b>                                            |        |      |   |     |        |                           |                       |     |     |     |     |        |
| <b>Carr.:Portezuelo - Cd. Valles</b>                        |        |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |     |        |
| TRAMO                                                       | Km     | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                             |        |      | B | Cam |        |                           | A                     | B   | C   | D   | E   |        |
| Portezuelo - T. Der. Tasquillo (2º Acceso)                  | 10.50  | 413  | 1 | 12  | M      | 2                         | 70                    | 153 | 269 | 402 | 822 | E      |
| T. Der. Tasquillo (2º Acceso) - T. Izq. Zimapán (1º Acceso) | 32.00  | 413  | 1 | 12  | M      | 2                         | 47                    | 104 | 182 | 271 | 679 | E      |
| T. Izq. Zimapán (1º Acceso) - La Estancia                   | 41.00  | 186  | 1 | 11  | M      | 2                         | 51                    | 111 | 196 | 294 | 722 | C      |
| La Estancia - Trancas                                       | 51.00  | 160  | 2 | 16  | M      | 2                         | 42                    | 91  | 160 | 237 | 581 | C      |
| Trancas - Jacala                                            | 98.60  | 125  | 1 | 17  | M      | 2                         | 38                    | 81  | 143 | 209 | 520 | C      |
| Jacala - Zacate Grande                                      | 143.10 | 130  | 1 | 15  | M      | 2                         | 45                    | 95  | 168 | 249 | 613 | C      |
| Zacate Grande - T. Izq. Pisaflores                          | 154.00 | 114  | 1 | 16  | M      | 2                         | 39                    | 83  | 147 | 216 | 536 | C      |
| T. Izq. Pisaflores - Lim. Edos. Term. Hgo. Ppia. S. L. P.   | 168.63 | 143  | 1 | 12  | M      | 2                         | 49                    | 106 | 188 | 281 | 691 | C      |

| <b>Carr.:Portezuelo - Palmillas</b>               |       |      |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
|---------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                             | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                   |       |      | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Portezuelo - Jonacapa                             | 29.41 | 706  | 3 | 23  | L      | 4                         | 1,393                 | 2,048 | 2,703 | 3,400 | 4,096 | A      |
| Jonacapa - Huichapan                              | 45.10 | 546  | 5 | 31  | L      | 2                         | 57                    | 134   | 246   | 369   | 824   | E      |
| Huichapan - T. Izq. Nopala                        | 56.15 | 676  | 6 | 27  | L      | 2                         | 60                    | 142   | 260   | 393   | 877   | E      |
| T. Izq. Nopala - Lim. Edos. Term. Hgo. Ppia. Qro. | 71.40 | 676  | 6 | 27  | L      | 2                         | 60                    | 142   | 260   | 393   | 877   | E      |

| <b>Carr.:Tamazunchale - San Felipe Orizatlán</b>            |       |      |   |     |        | <b>Red: Federal Libre</b> |                       |     |     |     |     |        |
|-------------------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-----|--------|
| TRAMO                                                       | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                             |       |      | B | Cam |        |                           | A                     | B   | C   | D   | E   |        |
| Lim. Edos. Term. S. L. P. Ppia. Hgo. - San Felipe Orizatlán | 27.10 | 172  | 3 | 13  | M      | 2                         | 46                    | 100 | 176 | 262 | 645 | C      |

| <b>Carr.:Venta de Carpio - T. C. (Pachuca - Tuxpam)</b>        |       |       |   |     |        | <b>Red: Federal Libre</b> |                       |       |       |       |       |        |
|----------------------------------------------------------------|-------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                          | Km    | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                                |       |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Lim. Edos. Term. Mex. Ppia. Hgo. - X. C. Pachuca - Cd. Sahagún | 54.00 | 2,119 | 4 | 19  | P      | 4                         | 2,174                 | 3,198 | 4,221 | 5,308 | 6,395 | A      |
| X. C. Pachuca - Cd. Sahagún - X. C. Calpulalpan - El Ocote     | 64.17 | 1,899 | 5 | 16  | P      | 4                         | 2,207                 | 3,246 | 4,285 | 5,389 | 6,493 | A      |
| X. C. Calpulalpan - El Ocote - T. C. Pachuca - Tuxpam          | 84.08 | 1,748 | 3 | 16  | P      | 4                         | 2,227                 | 3,275 | 4,323 | 5,436 | 6,550 | A      |

| CAPACIDAD Y NIVELES DE SERVICIO                           |       |      |   |     |        |                           |                       |     |     |       |       |        |
|-----------------------------------------------------------|-------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-------|-------|--------|
| <b>ESTADO: HIDALGO</b>                                    |       |      |   |     |        |                           |                       |     |     |       |       |        |
| <b>AÑO: 2016</b>                                          |       |      |   |     |        |                           |                       |     |     |       |       |        |
| <b>Carr.:Ent. Tulancingo - Venta Grande (Cuota)</b>       |       |      |   |     |        | <b>Red: Federal Cuota</b> |                       |     |     |       |       |        |
| TRAMO                                                     | Km    | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |       |       | N<br>S |
|                                                           |       |      | B | Cam |        |                           | A                     | B   | C   | D     | E     |        |
| T. C. Pachuca - Tuxpam - T. Izq. Acatlán                  | 7.80  | 930  | 7 | 21  | P      | 2                         | 272                   | 493 | 793 | 1,285 | 2,047 | D      |
| T. Izq. Acatlán - X. C. Pachuca - Tuxpam                  | 21.80 | 918  | 5 | 17  | L      | 2                         | 158                   | 325 | 551 | 815   | 1,348 | E      |
| X. C. Pachuca - Tuxpam - T. C. Tlaxco - Tejocotal (Cuota) | 39.60 | 891  | 5 | 20  | M      | 2                         | 73                    | 132 | 231 | 325   | 608   | F      |

| <b>Carr.:Libramiento Norte de la Ciudad de México (Cuota)</b>               |        |       |   |     |        | <b>Red: Federal Cuota</b> |                       |       |       |       |       |        |
|-----------------------------------------------------------------------------|--------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                                       | Km     | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                                             |        |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Lim. Edos. Term. Mex. Ppia. Hgo. - X. C. Ent. Tepeji del Río - Tlahuallipán | 79.00  | 900   | 2 | 33  | L      | 4 *                       |                       | 1,868 | 2,514 | 3,089 | 3,592 | B      |
| X. C. Ent. Tepeji del Río - Tlahuallipán - X. C. Los Reyes - El Tephé       | 86.40  | 1,081 | 3 | 29  | L      | 4 *                       |                       | 1,970 | 2,652 | 3,258 | 3,788 | B      |
| X. C. Los Reyes - El Tephé - Lim. Edos. Term. Hgo. Ppia. Mex.               | 95.75  | 1,234 | 5 | 30  | L      | 4 *                       |                       | 1,946 | 2,620 | 3,219 | 3,743 | B      |
| Lim. Edos. Term. Mex. Ppia. Hgo. - X. C. México - Pachuca                   | 127.30 | 1,046 | 4 | 31  | L      | 4 *                       |                       | 1,896 | 2,552 | 3,136 | 3,646 | B      |
| X. C. México - Pachuca - Lim. Edos. Term. Hgo. Ppia. Mex.                   | 143.98 | 865   | 4 | 31  | L      | 4 *                       |                       | 1,909 | 2,570 | 3,157 | 3,671 | B      |
| Lim. Edos. Term. Mex. Ppia. Hgo. - X. C. Calpulallpan - El Ocote            | 180.39 | 1,284 | 4 | 29  | L      | 4 *                       |                       | 1,987 | 2,675 | 3,286 | 3,821 | B      |
| X. C. Calpulallpan - El Ocote - Lim. Edos. Term. Hgo. Ppia. Tlax.           | 180.98 | 1,173 | 4 | 27  | L      | 4 *                       |                       | 2,043 | 2,751 | 3,380 | 3,930 | B      |

| <b>Carr.:México - Pachuca (Cuota)</b>                      |       |       |   |     |        | <b>Red: Federal Cuota</b> |                       |       |       |       |       |        |
|------------------------------------------------------------|-------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                      | Km    | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                            |       |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Lim. Edos. Term. Mex. Ppia. Hgo. - X. C. Otumba - Tizayuca | 53.45 | 4,223 | 3 | 12  | P      | 4                         | 2,495                 | 4,158 | 5,544 | 6,584 | 6,931 | C      |
| X. C. Otumba - Tizayuca - T. C. México - Pachuca (Libre)   | 60.50 | 4,064 | 4 | 12  | P      | 4                         | 2,486                 | 4,143 | 5,524 | 6,560 | 6,905 | B      |

| <b>Carr.:México - Querétaro (Cuota)</b>                   |       |       |   |     |        | <b>Red: Federal Cuota</b> |                       |       |       |       |       |        |
|-----------------------------------------------------------|-------|-------|---|-----|--------|---------------------------|-----------------------|-------|-------|-------|-------|--------|
| TRAMO                                                     | Km    | V.H.  | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |       |       |       |       | N<br>S |
|                                                           |       |       | B | Cam |        |                           | A                     | B     | C     | D     | E     |        |
| Lim. Edos. Term. Mex. Ppia. Hgo. - T. Der. Tepeji del Río | 69.36 | 3,957 | 5 | 26  | L      | 6 *                       |                       | 3,155 | 4,247 | 5,218 | 6,067 | C      |
| T. Der. Tepeji del Río - T. Izq. Jilotepec                | 83.75 | 3,808 | 7 | 28  | L      | 6 *                       |                       | 2,956 | 3,979 | 4,889 | 5,685 | C      |
| T. Izq. Jilotepec - Lim. Edos. Term. Hgo. Ppia. Mex.      | 86.00 | 3,728 | 4 | 24  | P      | 6                         | 3,443                 | 5,738 | 7,651 | 9,085 | 9,563 | B      |

| <b>Carr.:Tejocotal - Nuevo Necaxa (Cuota)</b>                       |      |      |   |     |        | <b>Red: Federal Cuota</b> |                       |     |     |     |     |        |
|---------------------------------------------------------------------|------|------|---|-----|--------|---------------------------|-----------------------|-----|-----|-----|-----|--------|
| TRAMO                                                               | Km   | V.H. | % |     | T<br>t | #<br>C                    | VOLÚMENES DE SERVICIO |     |     |     |     | N<br>S |
|                                                                     |      |      | B | Cam |        |                           | A                     | B   | C   | D   | E   |        |
| T. C. Tlaxco - Tejocotal (Cuota) - Lim. Edos. Term. Hgo. Ppia. Pue. | 2.10 | 871  | 7 | 23  | M      | 2                         | 63                    | 114 | 200 | 281 | 547 | F      |

| CAPACIDAD Y NIVELES DE SERVICIO                              |       |      |   |     |        |        |                       |     |     |       |       |        |
|--------------------------------------------------------------|-------|------|---|-----|--------|--------|-----------------------|-----|-----|-------|-------|--------|
| ESTADO: HIDALGO                                              |       |      |   |     |        |        |                       |     |     |       |       |        |
| AÑO: 2016                                                    |       |      |   |     |        |        |                       |     |     |       |       |        |
| Carr.:Tlaxco - Tejocotal (Cuota)                             |       |      |   |     |        |        | Red: Federal Cuota    |     |     |       |       |        |
| TRAMO                                                        | Km    | V.H. | % |     | T<br>t | #<br>C | VOLÚMENES DE SERVICIO |     |     |       |       | N<br>S |
|                                                              |       |      | B | Cam |        |        | A                     | B   | C   | D     | E     |        |
| Lim. Edos. Term. Pue. Ppia. Hgo. - T. C. Apizaco - Tejocotal | 85.60 | 268  | 5 | 18  | P      | 2      | 264                   | 480 | 773 | 1,241 | 1,976 | B      |



**CAPACIDAD Y NIVELES DE SERVICIO RED FEDERAL**  
**HIDALGO**  
**( 2 0 1 6 )**

| Nivel de Servicio | Red Libre     |         | Red Cuota     |         | Ambas Redes   |         |
|-------------------|---------------|---------|---------------|---------|---------------|---------|
|                   | Longitud (km) | %       | Longitud (km) | %       | Longitud (km) | %       |
| <b>A</b>          | 234.990       | 28.69%  |               |         | 234.990       | 24.07%  |
| <b>B</b>          | 59.620        | 7.28%   | 87.670        | 55.80%  | 147.290       | 15.08%  |
| <b>C</b>          | 245.240       | 29.93%  | 27.750        | 17.66%  | 272.990       | 27.96%  |
| <b>D</b>          | 39.200        | 4.78%   | 7.800         | 4.96%   | 47.000        | 4.81%   |
| <b>E</b>          | 205.560       | 25.09%  | 14.000        | 8.91%   | 219.560       | 22.49%  |
| <b>F</b>          | 34.680        | 4.23%   | 19.900        | 12.67%  | 54.580        | 5.59%   |
| <b>TOTAL</b>      | 819.290       | 100.00% | 157.120       | 100.00% | 976.410       | 100.00% |

