

-MEDICIONES AUXILIARES-

MOVIMIENTO DE TIERRAS

| PEATONAL H2-A |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
|---------------|--------------|----------|----------|---------------|---------------|------------------|------------------|-------|-------|-------|-------------|------------|-----------|-----------|-------|-------------|-------------|
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 1,958    | 3,343    | CALLE V3-B    | 0,14          | 2,893            | 2,893            | 0,935 | 7,049 | 0,000 | 6,360       | 10,908     |           |           |       |             |             |
| 50,000        | 0+050,000    | 2,229    | 3,274    |               | 0,14          | 2,824            | 2,824            | 0,595 | 6,649 | 0,000 | 6,360       | 6,594      | 576,775   | 342,465   | 0,000 | 318,000     | 437,534     |
| 50,000        | 0+100,000    | 2,270    | 3,206    |               | 0,14          | 2,756            | 2,756            | 0,486 | 6,675 | 0,000 | 6,360       | 5,391      | 561,194   | 333,116   | 0,000 | 318,000     | 299,627     |
| 34,000        | 0+134,000    | 2,139    | 3,159    | CALLE V4-B    | 0,14          | 2,709            | 2,709            | 0,570 | 6,655 | 0,000 | 6,360       | 6,319      | 381,782   | 226,621   | 0,000 | 216,240     | 199,084     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 1,519,750 | 902,202   | 0,000 | 852,240     | 936,246     |
| PEATONAL H2-B |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 1,449    | 3,467    | CALLE V5-B    | -0,09         | 3,017            | 3,017            | 1,568 | 7,809 | 0,000 | 11,000      | 14,946     |           |           |       |             |             |
| 50,000        | 0+050,000    | 1,596    | 3,512    |               | -0,09         | 3,062            | 3,062            | 1,466 | 7,687 | 0,000 | 11,000      | 13,493     | 651,679   | 387,407   | 0,000 | 550,000     | 710,964     |
| 50,000        | 0+100,000    | 1,340    | 3,557    |               | -0,09         | 3,107            | 3,107            | 1,767 | 8,048 | 0,000 | 11,000      | 17,836     | 661,621   | 393,372   | 0,000 | 550,000     | 783,213     |
| 34,000        | 0+134,000    | 1,341    | 3,587    | CALLE V6      | -0,09         | 3,137            | 3,137            | 1,796 | 8,083 | 0,000 | 11,000      | 18,272     | 461,138   | 274,235   | 0,000 | 374,000     | 613,829     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 1,774,437 | 1,055,014 | 0,000 | 1,474,000   | 2,108,007   |
| PEATONAL H3-A |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 2,128    | 3,339    | CALLE V1-B    | -0,14         | 2,889            | 2,889            | 0,761 | 6,842 | 0,000 | 6,360       | 8,676      |           |           |       |             |             |
| 50,000        | 0+050,000    | 2,187    | 3,409    |               | -0,14         | 2,959            | 2,959            | 0,772 | 6,855 | 0,000 | 6,360       | 8,812      | 576,676   | 342,406   | 0,000 | 318,000     | 437,184     |
| 50,000        | 0+100,000    | 2,189    | 3,479    |               | -0,14         | 3,029            | 3,029            | 0,840 | 6,936 | 0,000 | 6,360       | 9,679      | 580,595   | 344,757   | 0,000 | 318,000     | 462,267     |
| 39,500        | 0+139,500    | 2,147    | 3,534    | BULEVAR V1B-A | -0,14         | 3,084            | 3,084            | 0,937 | 7,052 | 0,000 | 6,360       | 10,938     | 465,177   | 276,262   | 0,000 | 251,220     | 407,192     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 1,622,448 | 963,425   | 0,000 | 887,220     | 1,306,643   |
| PEATONAL H3-B |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 2,030    | 3,534    | BULEVAR V1B-B | 0,05          | 3,084            | 3,084            | 1,054 | 7,193 | 0,000 | 6,360       | 12,482     |           |           |       |             |             |
| 50,000        | 0+050,000    | 1,861    | 3,509    |               | 0,05          | 3,059            | 3,059            | 1,198 | 7,366 | 0,000 | 6,360       | 14,424     | 612,605   | 363,963   | 0,000 | 318,000     | 672,648     |
| 50,000        | 0+100,000    | 1,877    | 3,485    |               | 0,05          | 3,035            | 3,035            | 1,158 | 7,317 | 0,000 | 6,360       | 13,874     | 617,795   | 367,077   | 0,000 | 318,000     | 707,454     |
| 39,500        | 0+139,500    | 1,925    | 3,465    | CALLE V3-B    | 0,05          | 3,015            | 3,015            | 1,090 | 7,236 | 0,000 | 6,360       | 12,967     | 483,791   | 287,431   | 0,000 | 251,220     | 530,111     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 1,714,192 | 1,018,471 | 0,000 | 887,220     | 1,910,213   |
| PEATONAL H3-C |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 1,868    | 3,246    | CALLE V4-B    | 0,02          | 2,796            | 2,796            | 0,928 | 7,042 | 0,000 | 6,360       | 10,827     |           |           |       |             |             |
| 50,000        | 0+050,000    | 2,255    | 3,237    |               | 0,02          | 2,787            | 2,787            | 0,532 | 6,664 | 0,000 | 6,360       | 5,907      | 577,093   | 342,656   | 0,000 | 318,000     | 418,356     |
| 50,000        | 0+100,000    | 2,420    | 3,229    |               | 0,02          | 2,779            | 2,779            | 0,359 | 6,706 | 0,000 | 6,360       | 3,990      | 563,090   | 334,254   | 0,000 | 318,000     | 247,430     |
| 39,500        | 0+139,500    | 1,960    | 3,222    | BULEVAR V2B-A | 0,02          | 2,772            | 2,772            | 0,812 | 6,902 | 0,000 | 6,360       | 9,316      | 452,664   | 268,754   | 0,000 | 251,220     | 262,801     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 1,592,846 | 945,664   | 0,000 | 887,220     | 928,587     |
| PEATONAL H3-D |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 1,852    | 3,232    | BULEVAR V2B-B | -0,10         | 2,782            | 2,782            | 0,930 | 7,045 | 0,000 | 6,360       | 10,855     |           |           |       |             |             |
| 50,000        | 0+050,000    | 1,798    | 3,284    |               | -0,10         | 2,834            | 2,834            | 1,036 | 7,171 | 0,000 | 6,360       | 12,247     | 598,332   | 355,399   | 0,000 | 318,000     | 577,546     |
| 50,000        | 0+100,000    | 1,660    | 3,336    |               | -0,10         | 2,886            | 2,886            | 1,226 | 7,399 | 0,000 | 6,360       | 14,800     | 613,100   | 364,260   | 0,000 | 318,000     | 676,169     |
| 39,500        | 0+139,500    | 1,501    | 3,377    | CALLE V5-B    | -0,15         | 2,927            | 2,927            | 1,426 | 7,639 | 0,000 | 6,360       | 17,568     | 499,735   | 296,997   | 0,000 | 251,220     | 639,270     |
| 10,500        | 0+150,000    | 1,614    | 3,393    |               | -0,15         | 2,943            | 2,943            | 1,329 | 7,522 | 0,000 | 11,000      | 11,574     | 133,920   | 79,596    | 0,000 | 91,140      | 152,997     |
| 50,000        | 0+200,000    | 1,360    | 3,469    |               | -0,15         | 3,019            | 3,019            | 1,659 | 7,919 | 0,000 | 11,000      | 16,258     | 649,374   | 386,024   | 0,000 | 550,000     | 695,819     |
| 50,000        | 0+250,000    | 1,446    | 3,545    |               | -0,15         | 3,095            | 3,095            | 1,649 | 7,907 | 0,000 | 11,000      | 16,116     | 665,390   | 395,634   | 0,000 | 550,000     | 809,352     |
| 23,500        | 0+273,500    | 1,303    | 3,581    | CALLE V6      | -0,15         | 3,131            | 3,131            | 1,828 | 8,121 | 0,000 | 11,000      | 18,740     | 316,703   | 188,330   | 0,000 | 258,500     | 409,551     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 3,476,554 | 2,066,241 | 0,000 | 2,336,860   | 3,960,703   |
| PEATONAL H4-A |              |          |          |               |               |                  |                  |       |       |       |             |            |           |           |       |             |             |
| D parcial (m) | D origen (m) | Zterreno | Zrasante | Cruce         | Pendiente (%) | Zexplanada V (m) | Zexplanada A (m) | H (m) | Stv   | Sd    | S pedraplén | Sterraplén | Sdesb     | Vtv       | Vd    | V pedraplén | Vtterraplén |
| 0,000         | 0+000,000    | 1,528    | 3,344    | CALLE V3-B    | 0,16          | 2,894            | 2,894            | 1,366 | 7,567 | 0,000 | 6,360       | 16,735     |           |           |       |             |             |
| 50,000        | 0+050,000    | 1,530    | 3,266    |               | 0,16          | 2,816            | 2,816            | 1,286 | 7,471 | 0,000 | 6,360       | 15,628     | 632,616   | 375,970   | 0,000 | 318,000     | 809,065     |
| 50,000        | 0+100,000    | 1,725    | 3,188    |               | 0,16          | 2,738            | 2,738            | 1,013 | 7,144 | 0,000 | 6,360       | 11,944     | 614,976   | 365,386   | 0,000 | 318,000     | 689,295     |
| 34,000        | 0+134,000    | 1,511    | 3,135    | CALLE V4-B    | 0,16          | 2,685            | 2,685            | 1,174 | 7,337 | 0,000 | 6,360       | 14,100     | 414,380   | 246,180   | 0,000 | 216,240     | 442,740     |
| 16,000        | 0+150,000    | 1,447    | 3,110    |               | 0,16          | 2,660            | 2,660            | 1,213 | 7,384 | 0,000 | 6,360       | 14,631     | 198,204   | 117,770   | 0,000 | 101,760     | 229,842     |
| 50,000        | 0+200,000    | 1,797    | 3,033    |               | 0,16          | 2,583            | 2,583            | 0,786 | 6,871 | 0,000 | 6,360       | 8,983      | 599,946   | 356,368   | 0,000 | 318,000     | 590,333     |
| 50,000        | 0+250,000    | 1,651    | 2,955    |               | 0,16          | 2,505            | 2,505            | 0,854 | 6,952 | 0,000 | 6,360       | 9,857      | 581,956   | 345,574   | 0,000 | 318,000     | 470,996     |
| 23,500        | 0+273,500    | 1,681    | 2,918    | BULEVAR V2B-A | 0,16          | 2,468            | 2,468            | 0,787 | 6,872 | 0,000 | 6,360       | 9,002      | 273,554   | 162,441   | 0,000 | 149,460     | 221,592     |
|               |              |          |          |               |               |                  |                  |       |       |       |             |            | 3,315,633 | 1,969,688 | 0,000 | 1,739,460   | 3,453,863   |