



Resolución Ministerial

1084-2017 MTC/01.02

Lima, 09 de noviembre de 2017

VISTOS:

El Memorándum N° 4750-2017-MTC/25 de la Dirección General de Concesiones en Transportes; el Memorándum N° 8438-2017-MTC/20.15 de la Unidad Gerencial de Derecho de Vía del Proyecto Especial de Infraestructura de Transporte Nacional - PROVIAS NACIONAL; el Memorándum N° 1549-2017-MTC/14 de la Dirección General de Caminos y Ferrocarriles; y

CONSIDERANDO:

Que, por Resolución Ministerial N° 918-2017 MTC/01.02, se estableció el Derecho de Vía del Proyecto Iniciativa Privada Cofinanciada "Anillo Vial Periférico" que comprende parcialmente las Rutas Nacionales PE-20 y PE-20 B y en su totalidad la Ruta Nacional PE-20 J; así como, los cruces con las Rutas Nacionales PE-1N, PE-22 y PE-1S, conforme al "Cuadro de Coordenadas" y de "Secciones Típicas del Proyecto", los cuales, como Anexos N° 1 y 2, respectivamente, fueron aprobados como parte integrante de la citada resolución;

Que, con Memorándum N° 4750-2017-MTC/25, la Dirección General de Concesiones en Transportes remite a la Dirección General de Caminos y Ferrocarriles la Carta N° 026-2017/CINTRA/GG, mediante la cual el Consorcio Anillo Vial Periférico, Cintra Servicios de Infraestructura Sucursal del Perú, comunica que el Anexo N° 1 "Cuadro de Coordenadas" de la Resolución Ministerial N° 918-2017 MTC/01.02 contiene errores materiales, solicitando que se proceda a su corrección, en base a la nueva información propuesta;

Que, mediante Memorándum N° 8438-2017-MTC/20.15, la Unidad Gerencial de Derecho de Vía del Proyecto Especial de Infraestructura de Transporte Nacional - PROVIAS NACIONAL, brinda su conformidad y valida el nuevo Cuadro de Coordenadas del Derecho de Vía del Proyecto "Anillo Vial Periférico";

Que, a través del Memorándum N° 1549-2017-MTC/14, la Dirección General de Caminos y Ferrocarriles remite y brinda su conformidad al Informe N° 492-2017-MTC/14.07, por el cual la Dirección de Caminos sustenta la procedencia para modificar el Anexo N° 1 "Cuadro de Coordenadas" de la Resolución Ministerial N° 918-2017 MTC/01.02, señalando que la información alcanzada por el Consorcio Anillo Vial Periférico corrige los errores materiales advertidos y ordena el listado de coordenadas por ubicación, desde la Provincia Constitucional del Callao hasta el distrito de San Juan de Lurigancho, siguiendo el eje del proyecto;



Que, el artículo 210 del Texto Único Ordenado de la Ley N° 27444, Ley del Procedimiento Administrativo General, aprobado por Decreto Supremo N° 006-2017-JUS, señala que los errores material o aritmético en los actos administrativos pueden ser rectificadas con efecto retroactivo, en cualquier momento, de oficio o a instancia de los administrados, siempre que no se altere lo sustancial de su contenido ni el sentido de la decisión, y que la rectificación adopta las formas y modalidades de comunicación o publicación que corresponda para el acto original;

Que, en consecuencia, corresponde expedir la Resolución Ministerial que modifique el Anexo N° 1 del artículo 1 de la Resolución Ministerial N° 918-2017 MTC/01.02;

De conformidad con la Ley N° 29370, Ley de Organización y Funciones del Ministerio de Transportes y Comunicaciones, su Reglamento de Organización y Funciones aprobado por Decreto Supremo N° 021-2007-MTC y el Decreto Supremo N° 034-2008-MTC que aprueba el Reglamento Nacional de Gestión de Infraestructura Vial y modificatorias;



SE RESUELVE:

Artículo 1.- Modificar el Anexo 1 "Cuadro de Coordenadas" del artículo 1 de la Resolución Ministerial N° 918-2017 MTC/01.02 que establece el Derecho de Vía del Proyecto Iniciativa Privada Cofinanciada "Anillo Vial Periférico", conforme al Anexo N° 1 "Cuadro de Coordenadas UTM DATUM WGS-84, Zona 18 Sur Franja del Derecho de Vía del Proyecto IPC - AVP" que forma parte integrante de la presente Resolución Ministerial.

Artículo 2.- Disponer la publicación de la Resolución Ministerial y del Anexo N° 1 en el Portal Institucional del Ministerio de Transportes y Comunicaciones (www.mtc.gob.pe) y en el Portal de Provias Nacional (www.proviasnac.gob.pe), el mismo día de la publicación de la presente Resolución Ministerial en el Diario Oficial El Peruano.

Regístrese, comuníquese y publíquese

BRUNO GIUFFRA MONTEVERDE
Ministro de Transportes y Comunicaciones



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|----|-------------|------------|-------------|
| 1 | Cal-I-1 | 268567.563 | 8673362.868 |
| 2 | Cal-I-2 | 268542.388 | 8673133.170 |
| 3 | Cal-I-3 | 268549.190 | 8673111.051 |
| 4 | Cal-I-4 | 268548.219 | 8673097.745 |
| 5 | Cal-I-5 | 268545.176 | 8673053.270 |
| 6 | Cal-I-6 | 268548.100 | 8673018.670 |
| 7 | Cal-I-7 | 268552.138 | 8672998.779 |
| 8 | Cal-I-8 | 268556.347 | 8672983.742 |
| 9 | Cal-I-9 | 268565.043 | 8672960.406 |
| 10 | Cal-I-10 | 268579.533 | 8672932.158 |
| 11 | Cal-I-11 | 268602.315 | 8672900.293 |
| 12 | Cal-I-12 | 268614.413 | 8672887.012 |
| 13 | Cal-I-13 | 268637.089 | 8672866.642 |
| 14 | Cal-I-14 | 268671.156 | 8672844.105 |
| 15 | Cal-I-15 | 268735.183 | 8672817.579 |
| 16 | Cal-I-16 | 268954.232 | 8672735.790 |
| 17 | Cal-I-17 | 268959.732 | 8672750.038 |
| 18 | Cal-I-18 | 269247.057 | 8672642.233 |
| 19 | Cal-I-19 | 269277.712 | 8672632.611 |
| 20 | Cal-I-20 | 269319.956 | 8672623.233 |
| 21 | Cal-I-21 | 269368.622 | 8672616.196 |
| 22 | Cal-I-22 | 269420.673 | 8672615.164 |
| 23 | Cal-I-23 | 269459.794 | 8672617.416 |
| 24 | Cal-I-24 | 269508.877 | 8672625.245 |
| 25 | Cal-I-25 | 269546.962 | 8672634.549 |
| 26 | Cal-I-26 | 269586.997 | 8672647.884 |
| 27 | Cal-I-27 | 269623.920 | 8672663.910 |
| 28 | Cal-I-28 | 269658.907 | 8672682.272 |
| 29 | Cal-I-29 | 269694.533 | 8672704.874 |
| 30 | Cal-I-30 | 269721.217 | 8672724.788 |
| 31 | Cal-I-31 | 269743.245 | 8672742.608 |
| 32 | Cal-I-32 | 269758.585 | 8672751.950 |
| 33 | Cal-I-33 | 269785.242 | 8672773.370 |
| 34 | Cal-I-34 | 269807.555 | 8672792.537 |
| 35 | Cal-I-35 | 269921.465 | 8672917.973 |
| 36 | Cal-I-36 | 269921.495 | 8672924.805 |
| 37 | Cal-I-37 | 269919.255 | 8672934.788 |
| 38 | Cal-I-38 | 269903.154 | 8672965.679 |
| 39 | Cal-I-39 | 269888.474 | 8672993.689 |
| 40 | Cal-I-40 | 269871.573 | 8673029.104 |
| 41 | Cal-I-41 | 269855.432 | 8673074.038 |
| 42 | Cal-I-42 | 269892.370 | 8673089.528 |
| 43 | Cal-I-43 | 269919.066 | 8673045.554 |
| 44 | Cal-I-44 | 269928.130 | 8673033.440 |
| 45 | Cal-I-45 | 269951.660 | 8672988.290 |
| 46 | Cal-I-46 | 269957.045 | 8672979.401 |
| 47 | Cal-I-47 | 269961.219 | 8672976.409 |
| 48 | Cal-I-48 | 269972.190 | 8672972.641 |
| 49 | Cal-I-49 | 269976.895 | 8672973.809 |
| 50 | Cal-I-50 | 270003.801 | 8673003.496 |
| 51 | Cal-I-51 | 270082.280 | 8673091.540 |
| 52 | Cal-I-52 | 270162.160 | 8673181.610 |
| 53 | Cal-I-53 | 268471.488 | 8672644.435 |
| 54 | Cal-I-54 | 268441.024 | 8672715.893 |
| 55 | Cal-I-55 | 268449.771 | 8672795.942 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 56 | Cal-I-56 | 268451.138 | 8672813.978 |
| 57 | Cal-I-57 | 268460.290 | 8672895.470 |
| 58 | Cal-I-58 | 268474.061 | 8673023.742 |
| 59 | Cal-I-59 | 268487.916 | 8673150.532 |
| 60 | Cal-I-60 | 268496.385 | 8673228.036 |
| 61 | Cal-I-61 | 268503.866 | 8673295.943 |
| 62 | Cal-I-62 | 268507.223 | 8673318.622 |
| 63 | Cal-I-63 | 268511.579 | 8673335.808 |
| 64 | Cal-I-64 | 268516.259 | 8673368.475 |
| 65 | Cal-D-1 | 270010.970 | 8672925.315 |
| 66 | Cal-D-2 | 270006.936 | 8672918.085 |
| 67 | Cal-D-3 | 270003.668 | 8672907.416 |
| 68 | Cal-D-4 | 270003.012 | 8672897.213 |
| 69 | Cal-D-5 | 270003.670 | 8672889.600 |
| 70 | Cal-D-6 | 270040.140 | 8672815.250 |
| 71 | Cal-D-7 | 270066.662 | 8672764.586 |
| 72 | Cal-D-8 | 270017.252 | 8672739.069 |
| 73 | Cal-D-9 | 269978.983 | 8672813.345 |
| 74 | Cal-D-10 | 269973.840 | 8672822.645 |
| 75 | Cal-D-11 | 269968.946 | 8672828.074 |
| 76 | Cal-D-12 | 269961.221 | 8672833.039 |
| 77 | Cal-D-13 | 269951.774 | 8672835.616 |
| 78 | Cal-D-14 | 269942.057 | 8672835.150 |
| 79 | Cal-D-15 | 269933.635 | 8672831.879 |
| 80 | Cal-D-16 | 269926.025 | 8672826.353 |
| 81 | Cal-D-17 | 269909.487 | 8672807.725 |
| 82 | Cal-D-18 | 269880.782 | 8672775.291 |
| 83 | Cal-D-19 | 269835.205 | 8672726.344 |
| 84 | Cal-D-20 | 269796.635 | 8672684.365 |
| 85 | Cal-D-21 | 269686.577 | 8672560.688 |
| 86 | Cal-D-22 | 269686.159 | 8672556.742 |
| 87 | Cal-D-23 | 269688.680 | 8672552.064 |
| 88 | Cal-D-24 | 269707.428 | 8672536.700 |
| 89 | Cal-D-25 | 269701.804 | 8672529.837 |
| 90 | Cal-D-26 | 269649.839 | 8672572.256 |
| 91 | Cal-D-27 | 269632.357 | 8672548.213 |
| 92 | Cal-D-28 | 269618.942 | 8672521.473 |
| 93 | Cal-D-29 | 269606.651 | 8672468.158 |
| 94 | Cal-D-30 | 269609.392 | 8672417.767 |
| 95 | Cal-D-31 | 269618.372 | 8672383.875 |
| 96 | Cal-D-32 | 269637.768 | 8672341.432 |
| 97 | Cal-D-33 | 269671.991 | 8672274.506 |
| 98 | Cal-D-34 | 269695.447 | 8672224.828 |
| 99 | Cal-D-35 | 269731.847 | 8672151.068 |
| 100 | Cal-D-36 | 269689.120 | 8672129.958 |
| 101 | Cal-D-37 | 269645.836 | 8672218.196 |
| 102 | Cal-D-38 | 269629.266 | 8672249.667 |
| 103 | Cal-D-39 | 269626.607 | 8672254.243 |
| 104 | Cal-D-40 | 269588.930 | 8672330.343 |
| 105 | Cal-D-41 | 269545.325 | 8672379.317 |
| 106 | Cal-D-42 | 269523.665 | 8672404.725 |
| 107 | Cal-D-43 | 269493.734 | 8672434.236 |
| 108 | Cal-D-44 | 269464.699 | 8672455.940 |
| 109 | Cal-D-45 | 269441.220 | 8672471.341 |
| 110 | Cal-D-46 | 269422.235 | 8672480.875 |



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**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 111 | Cal-D-47 | 269366.026 | 8672501.863 |
| 112 | Cal-D-48 | 269268.417 | 8672538.308 |
| 113 | Cal-D-49 | 269228.909 | 8672553.502 |
| 114 | Cal-D-50 | 269063.675 | 8672614.589 |
| 115 | Cal-D-51 | 268989.833 | 8672643.402 |
| 116 | Cal-D-52 | 268931.171 | 8672669.548 |
| 117 | Cal-D-53 | 268656.201 | 8672771.824 |
| 118 | Smp-D-1 | 273164.061 | 8675148.783 |
| 119 | Smp-D-2 | 273159.646 | 8675144.103 |
| 120 | Smp-D-3 | 273135.217 | 8675088.014 |
| 121 | Smp-D-4 | 273097.783 | 8675002.065 |
| 122 | Smp-D-5 | 273068.445 | 8675014.843 |
| 123 | Smp-D-6 | 273127.860 | 8675151.260 |
| 124 | Smp-D-7 | 273127.699 | 8675156.795 |
| 125 | Smp-D-8 | 273123.330 | 8675160.197 |
| 126 | Smp-D-9 | 273078.501 | 8675170.301 |
| 127 | Smp-D-10 | 273025.172 | 8675182.466 |
| 128 | Smp-D-11 | 272970.700 | 8675197.662 |
| 129 | Smp-D-12 | 272932.761 | 8675212.160 |
| 130 | Smp-D-13 | 272909.653 | 8675222.888 |
| 131 | Smp-D-14 | 272886.205 | 8675235.684 |
| 132 | Smp-D-15 | 272857.369 | 8675253.198 |
| 133 | Smp-D-16 | 272833.590 | 8675270.044 |
| 134 | Smp-D-17 | 272814.493 | 8675285.510 |
| 135 | Smp-D-18 | 272799.989 | 8675298.307 |
| 136 | Smp-D-19 | 272782.756 | 8675314.811 |
| 137 | Smp-D-20 | 272733.507 | 8675364.566 |
| 138 | Smp-D-21 | 272704.067 | 8675394.386 |
| 139 | Smp-D-22 | 272676.449 | 8675404.566 |
| 140 | Smp-D-23 | 272647.054 | 8675410.162 |
| 141 | Smp-D-24 | 272617.698 | 8675410.834 |
| 142 | Smp-D-25 | 272575.824 | 8675376.737 |
| 143 | Smp-D-26 | 272569.199 | 8675368.570 |
| 144 | Smp-D-27 | 272529.619 | 8675337.249 |
| 145 | Smp-D-28 | 272503.770 | 8675316.178 |
| 146 | Smp-D-29 | 272477.591 | 8675294.074 |
| 147 | Smp-D-30 | 272444.787 | 8675265.548 |
| 148 | Smp-D-31 | 272365.940 | 8675197.350 |
| 149 | Smp-D-32 | 272309.042 | 8675147.150 |
| 150 | Smp-D-33 | 272270.341 | 8675112.706 |
| 151 | Smp-D-34 | 272153.342 | 8675006.310 |
| 152 | Smp-D-35 | 271971.070 | 8674838.281 |
| 153 | Smp-D-36 | 271940.821 | 8674809.655 |
| 154 | Smp-D-37 | 271932.650 | 8674803.800 |
| 155 | Smp-D-38 | 271838.140 | 8674716.110 |
| 156 | Smp-D-39 | 271798.020 | 8674679.240 |
| 157 | Smp-D-40 | 271790.933 | 8674672.221 |
| 158 | Smp-D-41 | 271780.977 | 8674661.793 |
| 159 | Smp-D-42 | 271778.444 | 8674649.561 |
| 160 | Smp-D-43 | 271782.612 | 8674639.440 |
| 161 | Smp-D-44 | 271796.566 | 8674631.901 |
| 162 | Smp-D-45 | 271929.433 | 8674620.189 |
| 163 | Smp-D-46 | 271926.440 | 8674586.568 |
| 164 | Smp-D-47 | 271751.933 | 8674601.758 |
| 165 | Smp-D-48 | 271731.180 | 8674600.291 |



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CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 166 | Smp-D-49 | 271713.722 | 8674594.835 |
| 167 | Smp-D-50 | 271695.458 | 8674583.849 |
| 168 | Smp-D-51 | 271670.382 | 8674561.090 |
| 169 | Smp-D-52 | 271578.676 | 8674477.245 |
| 170 | Smp-D-53 | 271457.948 | 8674366.763 |
| 171 | Smp-D-54 | 271446.247 | 8674357.584 |
| 172 | Smp-D-55 | 271424.479 | 8674337.517 |
| 173 | Smp-D-56 | 271422.526 | 8674332.603 |
| 174 | Smp-D-57 | 271399.969 | 8674311.809 |
| 175 | Smp-D-58 | 271339.311 | 8674255.890 |
| 176 | Smp-D-59 | 271248.275 | 8674171.968 |
| 177 | Smp-D-60 | 271148.207 | 8674079.720 |
| 178 | Smp-D-61 | 271094.840 | 8674030.523 |
| 179 | Smp-D-62 | 271059.750 | 8673998.175 |
| 180 | Smp-D-63 | 270961.597 | 8673907.489 |
| 181 | Smp-D-64 | 270950.226 | 8673897.032 |
| 182 | Smp-D-65 | 270940.249 | 8673876.996 |
| 183 | Smp-D-66 | 270935.622 | 8673854.185 |
| 184 | Smp-D-67 | 270936.564 | 8673834.309 |
| 185 | Smp-D-68 | 270939.718 | 8673821.298 |
| 186 | Smp-D-69 | 270946.038 | 8673806.597 |
| 187 | Smp-D-70 | 270955.009 | 8673793.193 |
| 188 | Smp-D-71 | 270962.980 | 8673784.710 |
| 189 | Smp-D-72 | 270973.740 | 8673775.785 |
| 190 | Smp-D-73 | 270980.237 | 8673769.229 |
| 191 | Smp-D-74 | 270989.216 | 8673765.073 |
| 192 | Smp-D-75 | 271009.521 | 8673762.514 |
| 193 | Smp-D-76 | 271006.264 | 8673735.706 |
| 194 | Smp-D-77 | 270987.977 | 8673737.928 |
| 195 | Smp-D-78 | 270978.257 | 8673736.975 |
| 196 | Smp-D-79 | 270968.346 | 8673731.382 |
| 197 | Smp-D-80 | 270955.650 | 8673727.332 |
| 198 | Smp-D-81 | 270947.909 | 8673728.347 |
| 199 | Smp-D-82 | 270940.738 | 8673731.736 |
| 200 | Smp-D-83 | 270933.011 | 8673733.527 |
| 201 | Smp-D-84 | 270820.566 | 8673746.468 |
| 202 | Smp-D-85 | 270794.203 | 8673745.263 |
| 203 | Smp-D-86 | 270769.958 | 8673739.777 |
| 204 | Smp-D-87 | 270750.743 | 8673732.113 |
| 205 | Smp-D-88 | 270733.500 | 8673722.264 |
| 206 | Smp-D-89 | 270718.060 | 8673710.413 |
| 207 | Smp-D-90 | 270691.930 | 8673686.800 |
| 208 | Smp-D-91 | 270656.809 | 8673653.095 |
| 209 | Smp-D-92 | 270600.264 | 8673588.949 |
| 210 | Smp-D-93 | 270571.628 | 8673559.345 |
| 211 | Smp-D-94 | 270528.382 | 8673510.481 |
| 212 | Smp-D-95 | 270477.019 | 8673452.446 |
| 213 | Smp-D-96 | 270415.374 | 8673382.495 |
| 214 | Smp-D-97 | 270406.730 | 8673370.720 |
| 215 | Smp-D-98 | 270378.550 | 8673338.620 |
| 216 | Smp-D-99 | 270306.020 | 8673257.110 |
| 217 | Smp-D-100 | 270257.600 | 8673202.370 |
| 218 | Smp-D-101 | 270241.496 | 8673182.860 |
| 219 | Smp-D-102 | 270197.071 | 8673132.665 |
| 220 | Smp-D-103 | 270156.795 | 8673087.157 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 221 | Smp-D-104 | 270124.017 | 8673053.592 |
| 222 | Smp-D-105 | 270069.266 | 8672991.728 |
| 223 | Smp-D-106 | 270006.370 | 8672881.410 |
| 224 | Smp-D-107 | 270012.230 | 8672870.010 |
| 225 | Smp-I-1 | 270236.590 | 8673266.540 |
| 226 | Smp-I-2 | 270303.815 | 8673342.796 |
| 227 | Smp-I-3 | 270332.690 | 8673375.000 |
| 228 | Smp-I-4 | 270352.779 | 8673397.402 |
| 229 | Smp-I-5 | 270399.340 | 8673449.810 |
| 230 | Smp-I-6 | 270424.540 | 8673479.090 |
| 231 | Smp-I-7 | 270521.452 | 8673589.387 |
| 232 | Smp-I-8 | 270551.393 | 8673621.294 |
| 233 | Smp-I-9 | 270584.868 | 8673658.915 |
| 234 | Smp-I-10 | 270606.760 | 8673684.350 |
| 235 | Smp-I-11 | 270616.094 | 8673696.648 |
| 236 | Smp-I-12 | 270623.201 | 8673703.076 |
| 237 | Smp-I-13 | 270627.108 | 8673712.629 |
| 238 | Smp-I-14 | 270628.913 | 8673723.583 |
| 239 | Smp-I-15 | 270627.106 | 8673738.797 |
| 240 | Smp-I-16 | 270621.184 | 8673751.729 |
| 241 | Smp-I-17 | 270609.661 | 8673763.921 |
| 242 | Smp-I-18 | 270593.737 | 8673771.804 |
| 243 | Smp-I-19 | 270580.532 | 8673772.914 |
| 244 | Smp-I-20 | 270572.731 | 8673777.127 |
| 245 | Smp-I-21 | 270560.116 | 8673788.151 |
| 246 | Smp-I-22 | 270551.684 | 8673790.942 |
| 247 | Smp-I-23 | 270539.433 | 8673792.428 |
| 248 | Smp-I-24 | 270542.691 | 8673819.237 |
| 249 | Smp-I-25 | 270555.362 | 8673817.697 |
| 250 | Smp-I-26 | 270564.028 | 8673818.502 |
| 251 | Smp-I-27 | 270571.740 | 8673822.535 |
| 252 | Smp-I-28 | 270581.756 | 8673826.990 |
| 253 | Smp-I-29 | 270591.137 | 8673827.450 |
| 254 | Smp-I-30 | 270598.600 | 8673825.430 |
| 255 | Smp-I-31 | 270605.539 | 8673821.639 |
| 256 | Smp-I-32 | 270613.641 | 8673819.734 |
| 257 | Smp-I-33 | 270630.665 | 8673819.929 |
| 258 | Smp-I-34 | 270714.101 | 8673810.003 |
| 259 | Smp-I-35 | 270730.317 | 8673811.861 |
| 260 | Smp-I-36 | 270745.342 | 8673818.597 |
| 261 | Smp-I-37 | 270757.881 | 8673828.430 |
| 262 | Smp-I-38 | 270838.089 | 8673902.642 |
| 263 | Smp-I-39 | 270921.850 | 8673979.030 |
| 264 | Smp-I-40 | 270960.120 | 8674013.480 |
| 265 | Smp-I-41 | 270991.700 | 8674043.470 |
| 266 | Smp-I-42 | 271237.830 | 8674270.874 |
| 267 | Smp-I-43 | 271354.698 | 8674378.023 |
| 268 | Smp-I-44 | 271389.940 | 8674410.100 |
| 269 | Smp-I-45 | 271463.340 | 8674478.760 |
| 270 | Smp-I-46 | 271486.000 | 8674498.580 |
| 271 | Smp-I-47 | 271493.970 | 8674506.680 |
| 272 | Smp-I-48 | 271545.727 | 8674554.574 |
| 273 | Smp-I-49 | 271551.721 | 8674560.117 |
| 274 | Smp-I-50 | 271557.511 | 8674572.763 |
| 275 | Smp-I-51 | 271558.727 | 8674586.065 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 276 | Smp-I-52 | 271556.936 | 8674595.323 |
| 277 | Smp-I-53 | 271553.963 | 8674605.298 |
| 278 | Smp-I-54 | 271548.249 | 8674612.537 |
| 279 | Smp-I-55 | 271538.665 | 8674619.805 |
| 280 | Smp-I-56 | 271526.080 | 8674624.331 |
| 281 | Smp-I-57 | 271369.994 | 8674637.736 |
| 282 | Smp-I-58 | 271372.763 | 8674669.271 |
| 283 | Smp-I-59 | 271608.483 | 8674648.918 |
| 284 | Smp-I-60 | 271622.249 | 8674650.648 |
| 285 | Smp-I-61 | 271636.981 | 8674653.668 |
| 286 | Smp-I-62 | 271649.127 | 8674657.766 |
| 287 | Smp-I-63 | 271660.643 | 8674663.535 |
| 288 | Smp-I-64 | 271674.446 | 8674673.659 |
| 289 | Smp-I-65 | 271716.838 | 8674712.722 |
| 290 | Smp-I-66 | 271774.700 | 8674766.063 |
| 291 | Smp-I-67 | 271829.844 | 8674816.897 |
| 292 | Smp-I-68 | 271878.608 | 8674861.850 |
| 293 | Smp-I-69 | 272090.191 | 8675056.900 |
| 294 | Smp-I-70 | 272164.385 | 8675125.050 |
| 295 | Smp-I-71 | 272168.746 | 8675130.413 |
| 296 | Smp-I-72 | 272257.207 | 8675208.891 |
| 297 | Smp-I-73 | 272373.056 | 8675310.135 |
| 298 | Smp-I-74 | 272439.717 | 8675369.107 |
| 299 | Smp-I-75 | 272498.670 | 8675419.513 |
| 300 | Smp-I-76 | 272555.511 | 8675464.687 |
| 301 | Smp-I-77 | 272574.208 | 8675479.273 |
| 302 | Smp-I-78 | 272574.922 | 8675492.877 |
| 303 | Smp-I-79 | 272583.515 | 8675495.517 |
| 304 | Smp-I-80 | 272588.306 | 8675503.112 |
| 305 | Smp-I-81 | 272588.578 | 8675513.931 |
| 306 | Smp-I-82 | 272583.704 | 8675523.592 |
| 307 | Smp-I-83 | 272569.499 | 8675540.004 |
| 308 | Smp-I-84 | 272595.894 | 8675562.849 |
| 309 | Smp-I-85 | 272601.694 | 8675556.148 |
| 310 | Smp-I-86 | 272612.508 | 8675548.861 |
| 311 | Olv-D-1 | 274906.639 | 8674990.603 |
| 312 | Olv-D-2 | 274847.222 | 8675006.086 |
| 313 | Olv-D-3 | 274816.746 | 8675019.881 |
| 314 | Olv-D-4 | 274788.730 | 8675024.340 |
| 315 | Olv-D-5 | 274366.766 | 8674955.895 |
| 316 | Olv-D-6 | 274360.721 | 8674952.465 |
| 317 | Olv-D-7 | 274358.371 | 8674945.924 |
| 318 | Olv-D-8 | 274359.749 | 8674809.056 |
| 319 | Olv-D-9 | 274330.750 | 8674808.764 |
| 320 | Olv-D-10 | 274329.424 | 8674940.504 |
| 321 | Olv-D-11 | 274326.577 | 8674946.543 |
| 322 | Olv-D-12 | 274320.141 | 8674948.320 |
| 323 | Olv-D-13 | 274255.740 | 8674938.546 |
| 324 | Olv-D-14 | 274207.721 | 8674934.462 |
| 325 | Olv-D-15 | 274166.607 | 8674934.446 |
| 326 | Olv-D-16 | 274125.518 | 8674937.695 |
| 327 | Olv-D-17 | 274087.459 | 8674943.594 |
| 328 | Olv-D-18 | 274030.996 | 8674955.610 |
| 329 | Olv-D-19 | 273909.902 | 8674982.905 |
| 330 | Olv-D-20 | 273899.071 | 8674984.104 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 331 | Olv-D-21 | 273884.860 | 8674981.981 |
| 332 | Olv-D-22 | 273872.336 | 8674976.131 |
| 333 | Olv-D-23 | 273862.777 | 8674967.962 |
| 334 | Olv-D-24 | 273856.021 | 8674958.402 |
| 335 | Olv-D-25 | 273852.738 | 8674950.886 |
| 336 | Olv-D-26 | 273846.297 | 8674931.951 |
| 337 | Olv-D-27 | 273731.406 | 8674956.012 |
| 338 | Olv-D-28 | 273734.054 | 8674975.836 |
| 339 | Olv-D-29 | 273733.671 | 8674991.493 |
| 340 | Olv-D-30 | 273728.103 | 8675006.917 |
| 341 | Olv-D-31 | 273718.598 | 8675019.021 |
| 342 | Olv-D-32 | 273702.390 | 8675029.144 |
| 343 | Olv-D-33 | 273678.907 | 8675034.970 |
| 344 | Olv-D-34 | 273170.445 | 8675149.577 |
| 345 | Olv-I-1 | 272625.521 | 8675548.027 |
| 346 | Olv-I-2 | 272640.672 | 8675551.732 |
| 347 | Olv-I-3 | 272651.843 | 8675552.221 |
| 348 | Olv-I-4 | 272666.983 | 8675551.737 |
| 349 | Olv-I-5 | 272682.890 | 8675553.567 |
| 350 | Olv-I-6 | 272699.841 | 8675558.406 |
| 351 | Olv-I-7 | 272728.968 | 8675519.039 |
| 352 | Olv-I-8 | 272718.504 | 8675504.671 |
| 353 | Olv-I-9 | 272710.654 | 8675485.200 |
| 354 | Olv-I-10 | 272710.261 | 8675466.269 |
| 355 | Olv-I-11 | 272719.665 | 8675452.412 |
| 356 | Olv-I-12 | 272731.442 | 8675439.467 |
| 357 | Olv-I-13 | 272756.677 | 8675411.728 |
| 358 | Olv-I-14 | 272783.594 | 8675382.140 |
| 359 | Olv-I-15 | 272805.318 | 8675358.914 |
| 360 | Olv-I-16 | 272835.376 | 8675330.638 |
| 361 | Olv-I-17 | 272859.706 | 8675310.639 |
| 362 | Olv-I-18 | 272886.880 | 8675291.222 |
| 363 | Olv-I-19 | 272920.505 | 8675271.140 |
| 364 | Olv-I-20 | 272947.983 | 8675258.013 |
| 365 | Olv-I-21 | 273007.335 | 8675236.624 |
| 366 | Olv-I-22 | 273076.734 | 8675219.904 |
| 367 | Olv-I-23 | 273144.279 | 8675204.679 |
| 368 | Olv-I-24 | 273148.647 | 8675205.222 |
| 369 | Olv-I-25 | 273151.667 | 8675208.424 |
| 370 | Olv-I-26 | 273209.616 | 8675341.474 |
| 371 | Olv-I-27 | 273239.871 | 8675328.296 |
| 372 | Olv-I-28 | 273183.988 | 8675199.991 |
| 373 | Olv-I-29 | 273184.075 | 8675197.011 |
| 374 | Olv-I-30 | 273186.427 | 8675195.179 |
| 375 | Olv-I-31 | 273506.621 | 8675123.056 |
| 376 | Olv-I-32 | 273554.071 | 8675113.533 |
| 377 | Olv-I-33 | 273576.943 | 8675107.797 |
| 378 | Olv-I-34 | 273596.139 | 8675102.830 |
| 379 | Olv-I-35 | 273738.145 | 8675070.823 |
| 380 | Olv-I-36 | 273743.521 | 8675071.412 |
| 381 | Olv-I-37 | 273747.295 | 8675075.286 |
| 382 | Olv-I-38 | 273757.249 | 8675102.971 |
| 383 | Olv-I-39 | 273777.615 | 8675109.791 |
| 384 | Olv-I-40 | 273874.749 | 8675085.413 |
| 385 | Olv-I-41 | 273870.690 | 8675050.461 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 386 | Olv-I-42 | 273872.342 | 8675043.320 |
| 387 | Olv-I-43 | 273881.596 | 8675038.490 |
| 388 | Olv-I-44 | 274055.192 | 8674999.403 |
| 389 | Olv-I-45 | 274093.473 | 8674991.302 |
| 390 | Olv-I-46 | 274134.144 | 8674985.012 |
| 391 | Olv-I-47 | 274162.561 | 8674982.675 |
| 392 | Olv-I-48 | 274197.946 | 8674982.171 |
| 393 | Olv-I-49 | 274232.432 | 8674984.241 |
| 394 | Olv-I-50 | 274271.353 | 8674989.154 |
| 395 | Olv-I-51 | 274312.327 | 8674995.680 |
| 396 | Olv-I-52 | 274322.269 | 8674999.856 |
| 397 | Olv-I-53 | 274329.215 | 8675008.105 |
| 398 | Olv-I-54 | 274331.637 | 8675018.614 |
| 399 | Olv-I-55 | 274330.420 | 8675139.509 |
| 400 | Olv-I-56 | 274355.418 | 8675139.761 |
| 401 | Olv-I-57 | 274356.644 | 8675018.031 |
| 402 | Olv-I-58 | 274358.798 | 8675010.994 |
| 403 | Olv-I-59 | 274364.427 | 8675006.254 |
| 404 | Olv-I-60 | 274371.728 | 8675005.330 |
| 405 | Olv-I-61 | 274772.259 | 8675070.401 |
| 406 | Olv-I-62 | 274789.449 | 8675076.505 |
| 407 | Olv-I-63 | 274804.590 | 8675084.780 |
| 408 | Olv-I-64 | 274820.445 | 8675097.258 |
| 409 | Olv-I-65 | 274829.114 | 8675106.140 |
| 410 | Olv-I-66 | 274880.775 | 8675144.415 |
| 411 | Olv-I-67 | 275088.351 | 8675166.643 |
| 412 | Olv-I-68 | 275170.717 | 8675153.701 |
| 413 | Olv-I-69 | 275198.024 | 8675147.913 |
| 414 | Olv-I-70 | 275215.581 | 8675145.121 |
| 415 | Olv-I-71 | 275230.829 | 8675145.202 |
| 416 | Olv-I-72 | 275587.383 | 8675202.724 |
| 417 | Olv-I-73 | 275613.988 | 8675206.432 |
| 418 | Olv-I-74 | 275642.359 | 8675209.321 |
| 419 | Cms-I-1 | 275683.334 | 8675211.143 |
| 420 | Cms-I-2 | 275697.283 | 8675216.052 |
| 421 | Cms-I-3 | 275708.319 | 8675226.405 |
| 422 | Cms-I-4 | 275710.811 | 8675239.696 |
| 423 | Cms-I-5 | 275705.469 | 8675262.390 |
| 424 | Cms-I-6 | 275700.901 | 8675287.180 |
| 425 | Cms-I-7 | 275728.441 | 8675288.178 |
| 426 | Cms-I-8 | 275729.617 | 8675255.729 |
| 427 | Cms-I-9 | 275732.249 | 8675252.465 |
| 428 | Cms-I-10 | 275736.123 | 8675254.068 |
| 429 | Cms-I-11 | 275842.586 | 8675433.160 |
| 430 | Cms-I-12 | 275825.391 | 8675423.323 |
| 431 | Cms-I-13 | 275821.217 | 8675431.298 |
| 432 | Cms-I-14 | 275833.191 | 8675438.268 |
| 433 | Cms-I-15 | 275843.670 | 8675445.370 |
| 434 | Cms-I-16 | 275857.692 | 8675459.045 |
| 435 | Cms-I-17 | 275868.495 | 8675472.451 |
| 436 | Cms-I-18 | 275876.685 | 8675485.808 |
| 437 | Cms-I-19 | 275886.869 | 8675507.184 |
| 438 | Cms-I-20 | 275923.045 | 8675488.727 |
| 439 | Cms-I-21 | 275894.857 | 8675431.534 |
| 440 | Cms-I-22 | 275881.247 | 8675407.390 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 441 | Cms-I-23 | 275829.196 | 8675319.831 |
| 442 | Cms-I-24 | 275777.146 | 8675232.271 |
| 443 | Cms-I-25 | 275775.310 | 8675225.753 |
| 444 | Cms-I-26 | 275777.457 | 8675218.161 |
| 445 | Cms-I-27 | 275783.240 | 8675212.174 |
| 446 | Cms-I-28 | 275793.159 | 8675211.473 |
| 447 | Cms-I-29 | 275814.925 | 8675212.805 |
| 448 | Cms-I-30 | 275848.494 | 8675216.872 |
| 449 | Cms-I-31 | 275869.436 | 8675220.648 |
| 450 | Cms-I-32 | 275900.627 | 8675227.719 |
| 451 | Cms-I-33 | 275925.668 | 8675234.149 |
| 452 | Cms-I-34 | 275976.620 | 8675247.608 |
| 453 | Cms-I-35 | 276004.948 | 8675258.458 |
| 454 | Cms-I-36 | 276015.397 | 8675260.891 |
| 455 | Cms-I-37 | 276020.471 | 8675269.238 |
| 456 | Cms-I-38 | 276024.614 | 8675281.451 |
| 457 | Cms-I-39 | 276037.697 | 8675289.644 |
| 458 | Cms-I-40 | 276040.051 | 8675294.788 |
| 459 | Cms-I-41 | 276048.032 | 8675300.629 |
| 460 | Cms-I-42 | 276058.224 | 8675282.817 |
| 461 | Ind-D-1 | 277878.474 | 8675440.584 |
| 462 | Ind-D-2 | 277857.801 | 8675409.832 |
| 463 | Ind-D-3 | 277781.124 | 8675448.542 |
| 464 | Ind-D-4 | 277753.370 | 8675469.039 |
| 465 | Ind-D-5 | 277741.069 | 8675476.865 |
| 466 | Ind-D-6 | 277715.988 | 8675474.371 |
| 467 | Ind-D-7 | 277700.829 | 8675482.568 |
| 468 | Ind-D-8 | 277685.573 | 8675497.523 |
| 469 | Ind-D-9 | 277679.863 | 8675517.570 |
| 470 | Ind-D-10 | 277605.617 | 8675587.320 |
| 471 | Ind-D-11 | 277593.896 | 8675591.525 |
| 472 | Ind-D-12 | 277577.712 | 8675601.301 |
| 473 | Ind-D-13 | 277558.266 | 8675605.268 |
| 474 | Ind-D-14 | 277545.237 | 8675603.433 |
| 475 | Ind-D-15 | 277539.477 | 8675604.101 |
| 476 | Ind-D-16 | 277536.816 | 8675596.363 |
| 477 | Ind-D-17 | 277531.241 | 8675592.186 |
| 478 | Ind-D-18 | 277512.264 | 8675590.631 |
| 479 | Ind-D-19 | 277484.153 | 8675592.765 |
| 480 | Ind-D-20 | 277480.442 | 8675602.382 |
| 481 | Ind-D-21 | 277470.552 | 8675603.698 |
| 482 | Ind-D-22 | 277465.923 | 8675607.761 |
| 483 | Ind-D-23 | 277452.377 | 8675605.405 |
| 484 | Ind-D-24 | 277448.418 | 8675613.345 |
| 485 | Ind-D-25 | 277425.998 | 8675608.023 |
| 486 | Ind-D-26 | 277393.985 | 8675598.962 |
| 487 | Ind-D-27 | 276645.439 | 8675379.162 |
| 488 | Ind-D-28 | 276642.725 | 8675374.207 |
| 489 | Ind-D-29 | 276665.680 | 8675295.239 |
| 490 | Ind-D-30 | 276640.712 | 8675287.981 |
| 491 | Ind-D-31 | 276617.782 | 8675366.860 |
| 492 | Ind-D-32 | 276612.814 | 8675369.582 |
| 493 | Ind-D-33 | 276508.138 | 8675338.997 |
| 494 | Ind-D-34 | 276404.232 | 8675310.537 |
| 495 | Ind-D-35 | 275787.919 | 8675147.686 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 496 | Ind-D-36 | 275770.751 | 8675140.805 |
| 497 | Ind-D-37 | 275754.916 | 8675133.148 |
| 498 | Ind-D-38 | 275747.183 | 8675121.241 |
| 499 | Ind-D-39 | 275746.300 | 8675106.560 |
| 500 | Ind-D-40 | 275747.548 | 8675087.630 |
| 501 | Ind-D-41 | 275750.860 | 8675066.553 |
| 502 | Ind-D-42 | 275765.283 | 8674999.260 |
| 503 | Ind-D-43 | 275770.555 | 8674929.290 |
| 504 | Ind-D-44 | 275724.037 | 8674919.186 |
| 505 | Ind-D-45 | 275691.837 | 8675021.744 |
| 506 | Ind-D-46 | 275684.343 | 8675057.923 |
| 507 | Ind-D-47 | 275680.447 | 8675085.122 |
| 508 | Ind-D-48 | 275679.283 | 8675108.774 |
| 509 | Ind-D-49 | 275680.086 | 8675133.284 |
| 510 | Ind-D-50 | 275676.126 | 8675144.430 |
| 511 | Ind-D-51 | 275667.422 | 8675153.865 |
| 512 | Ind-D-52 | 275658.025 | 8675160.846 |
| 513 | Ind-D-53 | 275649.268 | 8675162.500 |
| 514 | Ind-D-54 | 275617.210 | 8675159.044 |
| 515 | Ind-D-55 | 275196.723 | 8675090.731 |
| 516 | Ind-D-56 | 275175.587 | 8675084.705 |
| 517 | Ind-D-57 | 275160.867 | 8675076.527 |
| 518 | Ind-D-58 | 275142.049 | 8675059.007 |
| 519 | Ind-D-59 | 275129.334 | 8675040.713 |
| 520 | Ind-D-60 | 275106.576 | 8675034.235 |
| 521 | Ind-D-61 | 277968.730 | 8675409.763 |
| 522 | Ind-D-62 | 277892.649 | 8675342.547 |
| 523 | Ind-D-63 | 277791.185 | 8675339.179 |
| 524 | Ind-D-64 | 277710.814 | 8675401.201 |
| 525 | Ind-I-1 | 276077.580 | 8675286.234 |
| 526 | Ind-I-2 | 276084.438 | 8675279.826 |
| 527 | Ind-I-3 | 276126.349 | 8675291.191 |
| 528 | Ind-I-4 | 276207.658 | 8675312.130 |
| 529 | Ind-I-5 | 276208.293 | 8675315.380 |
| 530 | Ind-I-6 | 276254.641 | 8675333.090 |
| 531 | Ind-I-7 | 276276.191 | 8675340.845 |
| 532 | Ind-I-8 | 276294.764 | 8675344.324 |
| 533 | Ind-I-9 | 276324.767 | 8675346.622 |
| 534 | Ind-I-10 | 276355.715 | 8675354.744 |
| 535 | Ind-I-11 | 276392.292 | 8675363.533 |
| 536 | Ind-I-12 | 276443.908 | 8675381.664 |
| 537 | Ind-I-13 | 276471.319 | 8675389.294 |
| 538 | Ind-I-14 | 276491.642 | 8675397.237 |
| 539 | Ind-I-15 | 276559.326 | 8675417.839 |
| 540 | Ind-I-16 | 276573.908 | 8675413.289 |
| 541 | Ind-I-17 | 276586.690 | 8675416.354 |
| 542 | Ind-I-18 | 276588.314 | 8675410.769 |
| 543 | Ind-I-19 | 276599.880 | 8675414.144 |
| 544 | Ind-I-20 | 276602.597 | 8675419.099 |
| 545 | Ind-I-21 | 276579.139 | 8675499.798 |
| 546 | Ind-I-22 | 276604.832 | 8675507.388 |
| 547 | Ind-I-23 | 276627.540 | 8675426.445 |
| 548 | Ind-I-24 | 276632.508 | 8675423.723 |
| 549 | Ind-I-25 | 277405.626 | 8675650.570 |
| 550 | Ind-I-26 | 277429.420 | 8675656.654 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 551 | Ind-I-27 | 277452.145 | 8675661.259 |
| 552 | Ind-I-28 | 277476.922 | 8675664.443 |
| 553 | Ind-I-29 | 277498.043 | 8675665.580 |
| 554 | Ind-I-30 | 277510.360 | 8675667.797 |
| 555 | Ind-I-31 | 277521.792 | 8675672.889 |
| 556 | Ind-I-32 | 277531.682 | 8675680.560 |
| 557 | Ind-I-33 | 277551.768 | 8675702.299 |
| 558 | Ind-I-34 | 277551.588 | 8675706.544 |
| 559 | Ind-I-35 | 277543.206 | 8675714.221 |
| 560 | Ind-I-36 | 277549.569 | 8675721.656 |
| 561 | Ind-I-37 | 277581.300 | 8675692.761 |
| 562 | Ind-I-38 | 277614.320 | 8675662.885 |
| 563 | Ind-I-39 | 277647.067 | 8675641.136 |
| 564 | Ind-I-40 | 277668.893 | 8675637.556 |
| 565 | Ind-I-41 | 277683.375 | 8675628.708 |
| 566 | Ind-I-42 | 277689.657 | 8675621.459 |
| 567 | Ind-I-43 | 277714.763 | 8675613.804 |
| 568 | Ind-I-44 | 277744.845 | 8675599.981 |
| 569 | Ind-I-45 | 277774.080 | 8675584.501 |
| 570 | Ind-I-46 | 277782.820 | 8675571.968 |
| 571 | Ind-I-47 | 277786.477 | 8675554.775 |
| 572 | Ind-I-48 | 277823.686 | 8675542.641 |
| 573 | Ind-I-49 | 277913.924 | 8675526.742 |
| 574 | Ind-I-50 | 277912.607 | 8675488.886 |
| 575 | Ind-I-51 | 277837.455 | 8675631.936 |
| 576 | Ind-I-52 | 277932.935 | 8675597.441 |
| 577 | Ind-I-53 | 277984.578 | 8675510.038 |
| 578 | Sjl-D-1 | 280164.972 | 8674889.456 |
| 579 | Sjl-D-2 | 280101.313 | 8674856.987 |
| 580 | Sjl-D-3 | 279997.673 | 8674869.955 |
| 581 | Sjl-D-4 | 279927.624 | 8674947.430 |
| 582 | Sjl-D-5 | 285037.179 | 8673912.005 |
| 583 | Sjl-D-6 | 285006.770 | 8673895.741 |
| 584 | Sjl-D-7 | 284956.028 | 8673966.804 |
| 585 | Sjl-D-8 | 284950.602 | 8673979.078 |
| 586 | Sjl-D-9 | 284936.614 | 8673987.056 |
| 587 | Sjl-D-10 | 284921.440 | 8674014.005 |
| 588 | Sjl-D-11 | 284909.851 | 8674054.031 |
| 589 | Sjl-D-12 | 284900.125 | 8674075.630 |
| 590 | Sjl-D-13 | 284884.886 | 8674104.048 |
| 591 | Sjl-D-14 | 284877.827 | 8674124.297 |
| 592 | Sjl-D-15 | 284853.119 | 8674173.094 |
| 593 | Sjl-D-16 | 284829.013 | 8674196.460 |
| 594 | Sjl-D-17 | 284817.777 | 8674226.557 |
| 595 | Sjl-D-18 | 284814.295 | 8674245.870 |
| 596 | Sjl-D-19 | 284789.051 | 8674277.212 |
| 597 | Sjl-D-20 | 284772.639 | 8674322.498 |
| 598 | Sjl-D-21 | 284768.181 | 8674343.364 |
| 599 | Sjl-D-22 | 284747.490 | 8674380.365 |
| 600 | Sjl-D-23 | 284747.389 | 8674397.490 |
| 601 | Sjl-D-24 | 284731.532 | 8674428.352 |
| 602 | Sjl-D-25 | 284723.561 | 8674449.322 |
| 603 | Sjl-D-26 | 284690.488 | 8674508.499 |
| 604 | Sjl-D-27 | 284679.484 | 8674523.210 |
| 605 | Sjl-D-28 | 284659.042 | 8674547.766 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 606 | Sjl-D-29 | 284644.359 | 8674550.984 |
| 607 | Sjl-D-30 | 284628.606 | 8674564.265 |
| 608 | Sjl-D-31 | 284617.226 | 8674575.685 |
| 609 | Sjl-D-32 | 284601.095 | 8674580.984 |
| 610 | Sjl-D-33 | 284589.659 | 8674588.552 |
| 611 | Sjl-D-34 | 284573.488 | 8674594.103 |
| 612 | Sjl-D-35 | 284558.919 | 8674600.269 |
| 613 | Sjl-D-36 | 284540.686 | 8674612.759 |
| 614 | Sjl-D-37 | 284523.435 | 8674625.804 |
| 615 | Sjl-D-38 | 284487.776 | 8674623.170 |
| 616 | Sjl-D-39 | 284486.267 | 8674606.046 |
| 617 | Sjl-D-40 | 284424.398 | 8674606.814 |
| 618 | Sjl-D-41 | 284381.876 | 8674615.937 |
| 619 | Sjl-D-42 | 284356.465 | 8674613.744 |
| 620 | Sjl-D-43 | 284306.776 | 8674621.010 |
| 621 | Sjl-D-44 | 284227.163 | 8674628.238 |
| 622 | Sjl-D-45 | 284228.597 | 8674643.991 |
| 623 | Sjl-D-46 | 284201.771 | 8674648.819 |
| 624 | Sjl-D-47 | 284181.246 | 8674657.078 |
| 625 | Sjl-D-48 | 284177.959 | 8674650.463 |
| 626 | Sjl-D-49 | 284135.553 | 8674649.018 |
| 627 | Sjl-D-50 | 284113.317 | 8674658.213 |
| 628 | Sjl-D-51 | 284084.796 | 8674648.029 |
| 629 | Sjl-D-52 | 284059.762 | 8674644.258 |
| 630 | Sjl-D-53 | 284023.857 | 8674637.771 |
| 631 | Sjl-D-54 | 284004.993 | 8674627.674 |
| 632 | Sjl-D-55 | 283978.898 | 8674616.129 |
| 633 | Sjl-D-56 | 283931.522 | 8674614.813 |
| 634 | Sjl-D-57 | 283910.656 | 8674618.095 |
| 635 | Sjl-D-58 | 283857.249 | 8674618.228 |
| 636 | Sjl-D-59 | 283835.315 | 8674620.211 |
| 637 | Sjl-D-60 | 283770.353 | 8674636.455 |
| 638 | Sjl-D-61 | 283743.835 | 8674653.687 |
| 639 | Sjl-D-62 | 283727.844 | 8674650.031 |
| 640 | Sjl-D-63 | 283712.434 | 8674655.732 |
| 641 | Sjl-D-64 | 283677.234 | 8674676.151 |
| 642 | Sjl-D-65 | 283659.577 | 8674699.416 |
| 643 | Sjl-D-66 | 283589.246 | 8674737.174 |
| 644 | Sjl-D-67 | 283570.043 | 8674753.374 |
| 645 | Sjl-D-68 | 283558.449 | 8674749.930 |
| 646 | Sjl-D-69 | 283529.904 | 8674764.809 |
| 647 | Sjl-D-70 | 283478.290 | 8674776.681 |
| 648 | Sjl-D-71 | 283444.960 | 8674788.414 |
| 649 | Sjl-D-72 | 283438.722 | 8674793.363 |
| 650 | Sjl-D-73 | 283419.555 | 8674792.349 |
| 651 | Sjl-D-74 | 283419.435 | 8674785.305 |
| 652 | Sjl-D-75 | 283400.279 | 8674784.429 |
| 653 | Sjl-D-76 | 283392.007 | 8674801.477 |
| 654 | Sjl-D-77 | 283365.278 | 8674799.225 |
| 655 | Sjl-D-78 | 283345.657 | 8674799.541 |
| 656 | Sjl-D-79 | 283326.516 | 8674792.267 |
| 657 | Sjl-D-80 | 283301.361 | 8674790.610 |
| 658 | Sjl-D-81 | 283253.939 | 8674779.892 |
| 659 | Sjl-D-82 | 283201.082 | 8674760.829 |
| 660 | Sjl-D-83 | 283154.467 | 8674736.884 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 661 | Sjl-D-84 | 283110.010 | 8674709.078 |
| 662 | Sjl-D-85 | 283066.281 | 8674680.141 |
| 663 | Sjl-D-86 | 283049.554 | 8674667.610 |
| 664 | Sjl-D-87 | 283035.502 | 8674652.737 |
| 665 | Sjl-D-88 | 283024.217 | 8674635.604 |
| 666 | Sjl-D-89 | 283013.047 | 8674615.601 |
| 667 | Sjl-D-90 | 282927.989 | 8674486.857 |
| 668 | Sjl-D-91 | 282912.327 | 8674497.865 |
| 669 | Sjl-D-92 | 282917.872 | 8674506.922 |
| 670 | Sjl-D-93 | 282919.118 | 8674512.209 |
| 671 | Sjl-D-94 | 282916.209 | 8674516.795 |
| 672 | Sjl-D-95 | 282887.480 | 8674536.729 |
| 673 | Sjl-D-96 | 282874.118 | 8674540.360 |
| 674 | Sjl-D-97 | 282860.770 | 8674535.451 |
| 675 | Sjl-D-98 | 282793.412 | 8674487.764 |
| 676 | Sjl-D-99 | 282553.492 | 8674317.912 |
| 677 | Sjl-D-100 | 282409.754 | 8674216.794 |
| 678 | Sjl-D-101 | 282321.138 | 8674158.475 |
| 679 | Sjl-D-102 | 282312.855 | 8674146.815 |
| 680 | Sjl-D-103 | 282312.358 | 8674128.875 |
| 681 | Sjl-D-104 | 282317.412 | 8674116.146 |
| 682 | Sjl-D-105 | 282334.382 | 8674089.192 |
| 683 | Sjl-D-106 | 282345.426 | 8674067.308 |
| 684 | Sjl-D-107 | 282321.576 | 8674053.606 |
| 685 | Sjl-D-108 | 282306.607 | 8674075.431 |
| 686 | Sjl-D-109 | 282289.005 | 8674095.687 |
| 687 | Sjl-D-110 | 282274.940 | 8674105.336 |
| 688 | Sjl-D-111 | 282250.210 | 8674115.534 |
| 689 | Sjl-D-112 | 282232.553 | 8674118.782 |
| 690 | Sjl-D-113 | 282212.770 | 8674118.927 |
| 691 | Sjl-D-114 | 282180.406 | 8674114.682 |
| 692 | Sjl-D-115 | 282136.129 | 8674108.690 |
| 693 | Sjl-D-116 | 282114.714 | 8674106.110 |
| 694 | Sjl-D-117 | 282099.342 | 8674107.958 |
| 695 | Sjl-D-118 | 282084.046 | 8674114.902 |
| 696 | Sjl-D-119 | 282042.251 | 8674145.678 |
| 697 | Sjl-D-120 | 282022.117 | 8674157.514 |
| 698 | Sjl-D-121 | 281889.594 | 8674210.800 |
| 699 | Sjl-D-122 | 281868.088 | 8674218.377 |
| 700 | Sjl-D-123 | 281822.285 | 8674230.851 |
| 701 | Sjl-D-124 | 281656.581 | 8674270.642 |
| 702 | Sjl-D-125 | 281589.954 | 8674288.620 |
| 703 | Sjl-D-126 | 281573.957 | 8674286.979 |
| 704 | Sjl-D-127 | 281565.132 | 8674269.938 |
| 705 | Sjl-D-128 | 281554.068 | 8674251.377 |
| 706 | Sjl-D-129 | 281539.542 | 8674234.340 |
| 707 | Sjl-D-130 | 281521.622 | 8674221.962 |
| 708 | Sjl-D-131 | 281506.957 | 8674216.385 |
| 709 | Sjl-D-132 | 281490.683 | 8674213.805 |
| 710 | Sjl-D-133 | 281478.397 | 8674209.948 |
| 711 | Sjl-D-134 | 281470.842 | 8674201.605 |
| 712 | Sjl-D-135 | 281456.942 | 8674178.421 |
| 713 | Sjl-D-136 | 281427.560 | 8674197.671 |
| 714 | Sjl-D-137 | 281437.055 | 8674215.296 |
| 715 | Sjl-D-138 | 281436.851 | 8674227.122 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 716 | Sjl-D-139 | 281431.707 | 8674236.343 |
| 717 | Sjl-D-140 | 281420.281 | 8674250.764 |
| 718 | Sjl-D-141 | 281412.813 | 8674266.643 |
| 719 | Sjl-D-142 | 281408.896 | 8674285.361 |
| 720 | Sjl-D-143 | 281408.659 | 8674310.799 |
| 721 | Sjl-D-144 | 281411.468 | 8674336.256 |
| 722 | Sjl-D-145 | 281401.372 | 8674345.795 |
| 723 | Sjl-D-146 | 280893.916 | 8674542.133 |
| 724 | Sjl-D-147 | 280852.073 | 8674558.779 |
| 725 | Sjl-D-148 | 280835.576 | 8674566.621 |
| 726 | Sjl-D-149 | 280810.704 | 8674580.555 |
| 727 | Sjl-D-150 | 280802.469 | 8674581.573 |
| 728 | Sjl-D-151 | 280796.300 | 8674576.023 |
| 729 | Sjl-D-152 | 280788.934 | 8674562.561 |
| 730 | Sjl-D-153 | 280770.624 | 8674534.549 |
| 731 | Sjl-D-154 | 280745.559 | 8674551.041 |
| 732 | Sjl-D-155 | 280752.294 | 8674562.716 |
| 733 | Sjl-D-156 | 280677.260 | 8674599.920 |
| 734 | Sjl-D-157 | 280628.290 | 8674629.864 |
| 735 | Sjl-D-158 | 280570.282 | 8674659.993 |
| 736 | Sjl-D-159 | 280533.864 | 8674680.396 |
| 737 | Sjl-D-160 | 280517.848 | 8674667.219 |
| 738 | Sjl-D-161 | 280510.064 | 8674677.033 |
| 739 | Sjl-D-162 | 280487.774 | 8674675.158 |
| 740 | Sjl-D-163 | 280471.624 | 8674688.366 |
| 741 | Sjl-D-164 | 280440.091 | 8674704.550 |
| 742 | Sjl-D-165 | 280382.927 | 8674739.403 |
| 743 | Sjl-D-166 | 280347.257 | 8674759.415 |
| 744 | Sjl-D-167 | 280332.877 | 8674772.807 |
| 745 | Sjl-D-168 | 280315.048 | 8674781.273 |
| 746 | Sjl-D-169 | 280283.164 | 8674801.082 |
| 747 | Sjl-D-170 | 280235.262 | 8674822.759 |
| 748 | Sjl-D-171 | 280185.891 | 8674851.220 |
| 749 | Sjl-D-172 | 280171.850 | 8674876.935 |
| 750 | Sjl-D-173 | 280178.374 | 8674896.291 |
| 751 | Sjl-D-174 | 280188.618 | 8674914.711 |
| 752 | Sjl-D-175 | 280166.886 | 8674923.809 |
| 753 | Sjl-D-176 | 280130.149 | 8674927.508 |
| 754 | Sjl-D-177 | 280114.086 | 8674926.888 |
| 755 | Sjl-D-178 | 280099.570 | 8674930.408 |
| 756 | Sjl-D-179 | 280075.394 | 8674942.638 |
| 757 | Sjl-D-180 | 280055.107 | 8674943.062 |
| 758 | Sjl-D-181 | 279985.622 | 8674945.356 |
| 759 | Sjl-D-182 | 279972.128 | 8674971.319 |
| 760 | Sjl-D-183 | 279988.260 | 8674991.816 |
| 761 | Sjl-D-184 | 285109.648 | 8673855.311 |
| 762 | Sjl-D-185 | 285007.757 | 8673826.766 |
| 763 | Sjl-D-186 | 284912.375 | 8673872.582 |
| 764 | Sjl-D-187 | 284871.120 | 8673970.190 |
| 765 | Sjl-D-188 | 287183.080 | 8670321.247 |
| 766 | Sjl-D-189 | 287169.910 | 8670320.105 |
| 767 | Sjl-D-190 | 287141.369 | 8670311.894 |
| 768 | Sjl-D-191 | 287117.263 | 8670305.985 |
| 769 | Sjl-D-192 | 287020.601 | 8670275.355 |
| 770 | Sjl-D-193 | 287018.589 | 8670281.009 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 771 | Sjl-D-194 | 286992.413 | 8670271.250 |
| 772 | Sjl-D-195 | 286980.757 | 8670302.521 |
| 773 | Sjl-D-196 | 287027.770 | 8670324.119 |
| 774 | Sjl-D-197 | 287070.914 | 8670340.271 |
| 775 | Sjl-D-198 | 287153.459 | 8670378.709 |
| 776 | Sjl-D-199 | 287148.719 | 8670438.074 |
| 777 | Sjl-D-200 | 287206.378 | 8670442.568 |
| 778 | Sjl-D-201 | 287233.668 | 8670447.194 |
| 779 | Sjl-D-202 | 287260.086 | 8670456.534 |
| 780 | Sjl-D-203 | 287280.252 | 8670467.665 |
| 781 | Sjl-D-204 | 287297.406 | 8670480.659 |
| 782 | Sjl-D-205 | 287378.831 | 8670562.958 |
| 783 | Sjl-D-206 | 287394.584 | 8670576.224 |
| 784 | Sjl-D-207 | 287417.404 | 8670579.927 |
| 785 | Sjl-I-1 | 279925.129 | 8675051.848 |
| 786 | Sjl-I-2 | 279991.398 | 8675132.581 |
| 787 | Sjl-I-3 | 280094.299 | 8675150.484 |
| 788 | Sjl-I-4 | 280183.941 | 8675096.878 |
| 789 | Sjl-I-5 | 280216.308 | 8675016.879 |
| 790 | Sjl-I-6 | 280008.387 | 8675069.688 |
| 791 | Sjl-I-7 | 280095.215 | 8675045.200 |
| 792 | Sjl-I-8 | 280150.791 | 8675028.376 |
| 793 | Sjl-I-9 | 280182.530 | 8675014.709 |
| 794 | Sjl-I-10 | 280216.860 | 8674997.753 |
| 795 | Sjl-I-11 | 280248.761 | 8674979.080 |
| 796 | Sjl-I-12 | 280258.406 | 8674994.908 |
| 797 | Sjl-I-13 | 280240.211 | 8675006.147 |
| 798 | Sjl-I-14 | 280245.770 | 8675015.147 |
| 799 | Sjl-I-15 | 280801.392 | 8674671.944 |
| 800 | Sjl-I-16 | 280812.586 | 8674689.577 |
| 801 | Sjl-I-17 | 280831.300 | 8674677.999 |
| 802 | Sjl-I-18 | 280819.930 | 8674659.622 |
| 803 | Sjl-I-19 | 280817.977 | 8674642.736 |
| 804 | Sjl-I-20 | 280829.721 | 8674630.446 |
| 805 | Sjl-I-21 | 281436.824 | 8674395.555 |
| 806 | Sjl-I-22 | 281445.202 | 8674395.213 |
| 807 | Sjl-I-23 | 281462.451 | 8674406.608 |
| 808 | Sjl-I-24 | 281482.265 | 8674414.481 |
| 809 | Sjl-I-25 | 281496.337 | 8674416.614 |
| 810 | Sjl-I-26 | 281509.567 | 8674421.234 |
| 811 | Sjl-I-27 | 281517.660 | 8674432.674 |
| 812 | Sjl-I-28 | 281526.913 | 8674461.947 |
| 813 | Sjl-I-29 | 281555.041 | 8674453.056 |
| 814 | Sjl-I-30 | 281545.204 | 8674421.933 |
| 815 | Sjl-I-31 | 281544.681 | 8674410.016 |
| 816 | Sjl-I-32 | 281550.197 | 8674399.440 |
| 817 | Sjl-I-33 | 281562.377 | 8674386.768 |
| 818 | Sjl-I-34 | 281571.871 | 8674371.136 |
| 819 | Sjl-I-35 | 281577.430 | 8674353.925 |
| 820 | Sjl-I-36 | 281586.897 | 8674342.766 |
| 821 | Sjl-I-37 | 281664.248 | 8674321.430 |
| 822 | Sjl-I-38 | 281690.667 | 8674318.375 |
| 823 | Sjl-I-39 | 281717.282 | 8674320.531 |
| 824 | Sjl-I-40 | 281734.361 | 8674320.470 |
| 825 | Sjl-I-41 | 281752.172 | 8674318.148 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 826 | Sjl-I-42 | 281798.585 | 8674306.606 |
| 827 | Sjl-I-43 | 281815.113 | 8674299.871 |
| 828 | Sjl-I-44 | 281837.462 | 8674287.425 |
| 829 | Sjl-I-45 | 281851.067 | 8674281.706 |
| 830 | Sjl-I-46 | 281903.534 | 8674267.883 |
| 831 | Sjl-I-47 | 281964.000 | 8674246.593 |
| 832 | Sjl-I-48 | 282001.091 | 8674229.440 |
| 833 | Sjl-I-49 | 282036.572 | 8674216.516 |
| 834 | Sjl-I-50 | 282086.494 | 8674204.135 |
| 835 | Sjl-I-51 | 282144.447 | 8674197.499 |
| 836 | Sjl-I-52 | 282159.073 | 8674194.749 |
| 837 | Sjl-I-53 | 282216.428 | 8674198.233 |
| 838 | Sjl-I-54 | 282268.841 | 8674208.444 |
| 839 | Sjl-I-55 | 282305.022 | 8674219.644 |
| 840 | Sjl-I-56 | 282341.524 | 8674234.738 |
| 841 | Sjl-I-57 | 282382.446 | 8674256.776 |
| 842 | Sjl-I-58 | 282468.946 | 8674316.134 |
| 843 | Sjl-I-59 | 282852.784 | 8674587.873 |
| 844 | Sjl-I-60 | 283037.711 | 8674718.793 |
| 845 | Sjl-I-61 | 283047.172 | 8674729.994 |
| 846 | Sjl-I-62 | 283062.169 | 8674771.461 |
| 847 | Sjl-I-63 | 283077.422 | 8674823.656 |
| 848 | Sjl-I-64 | 283087.912 | 8674870.803 |
| 849 | Sjl-I-65 | 283106.575 | 8674867.242 |
| 850 | Sjl-I-66 | 283097.586 | 8674825.969 |
| 851 | Sjl-I-67 | 283086.443 | 8674785.225 |
| 852 | Sjl-I-68 | 283072.544 | 8674743.374 |
| 853 | Sjl-I-69 | 283099.425 | 8674761.653 |
| 854 | Sjl-I-70 | 283128.018 | 8674779.585 |
| 855 | Sjl-I-71 | 283154.585 | 8674794.288 |
| 856 | Sjl-I-72 | 283181.163 | 8674806.903 |
| 857 | Sjl-I-73 | 283208.970 | 8674818.026 |
| 858 | Sjl-I-74 | 283245.459 | 8674829.653 |
| 859 | Sjl-I-75 | 283287.862 | 8674839.219 |
| 860 | Sjl-I-76 | 283312.472 | 8674842.932 |
| 861 | Sjl-I-77 | 283343.138 | 8674845.727 |
| 862 | Sjl-I-78 | 283372.710 | 8674846.530 |
| 863 | Sjl-I-79 | 283412.230 | 8674844.710 |
| 864 | Sjl-I-80 | 283428.309 | 8674843.707 |
| 865 | Sjl-I-81 | 283452.744 | 8674844.708 |
| 866 | Sjl-I-82 | 283498.153 | 8674838.871 |
| 867 | Sjl-I-83 | 283542.211 | 8674823.843 |
| 868 | Sjl-I-84 | 283556.830 | 8674808.961 |
| 869 | Sjl-I-85 | 283680.147 | 8674749.559 |
| 870 | Sjl-I-86 | 283711.827 | 8674730.167 |
| 871 | Sjl-I-87 | 283717.815 | 8674719.795 |
| 872 | Sjl-I-88 | 283727.867 | 8674712.525 |
| 873 | Sjl-I-89 | 283771.472 | 8674695.798 |
| 874 | Sjl-I-90 | 283824.222 | 8674688.101 |
| 875 | Sjl-I-91 | 283834.762 | 8674684.301 |
| 876 | Sjl-I-92 | 283890.121 | 8674681.748 |
| 877 | Sjl-I-93 | 283890.828 | 8674695.829 |
| 878 | Sjl-I-94 | 283906.627 | 8674695.431 |
| 879 | Sjl-I-95 | 283906.040 | 8674683.493 |
| 880 | Sjl-I-96 | 283960.677 | 8674694.705 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|-----|-------------|------------|-------------|
| 881 | Sjl-I-97 | 283960.109 | 8674700.226 |
| 882 | Sjl-I-98 | 283972.540 | 8674702.332 |
| 883 | Sjl-I-99 | 283976.966 | 8674697.961 |
| 884 | Sjl-I-100 | 284035.276 | 8674707.787 |
| 885 | Sjl-I-101 | 284035.157 | 8674702.788 |
| 886 | Sjl-I-102 | 284127.232 | 8674700.118 |
| 887 | Sjl-I-103 | 284185.827 | 8674698.024 |
| 888 | Sjl-I-104 | 284206.936 | 8674698.192 |
| 889 | Sjl-I-105 | 284251.414 | 8674695.842 |
| 890 | Sjl-I-106 | 284295.344 | 8674693.521 |
| 891 | Sjl-I-107 | 284312.479 | 8674693.720 |
| 892 | Sjl-I-108 | 284390.163 | 8674682.995 |
| 893 | Sjl-I-109 | 284461.166 | 8674673.192 |
| 894 | Sjl-I-110 | 284505.223 | 8674667.310 |
| 895 | Sjl-I-111 | 284558.553 | 8674659.747 |
| 896 | Sjl-I-112 | 284559.255 | 8674664.697 |
| 897 | Sjl-I-113 | 284587.399 | 8674654.994 |
| 898 | Sjl-I-114 | 284616.339 | 8674641.186 |
| 899 | Sjl-I-115 | 284648.746 | 8674619.310 |
| 900 | Sjl-I-116 | 284681.013 | 8674591.300 |
| 901 | Sjl-I-117 | 284710.525 | 8674561.330 |
| 902 | Sjl-I-118 | 284721.650 | 8674542.149 |
| 903 | Sjl-I-119 | 284731.558 | 8674519.368 |
| 904 | Sjl-I-120 | 284749.709 | 8674489.514 |
| 905 | Sjl-I-121 | 284771.139 | 8674450.897 |
| 906 | Sjl-I-122 | 284827.775 | 8674349.503 |
| 907 | Sjl-I-123 | 284883.259 | 8674251.769 |
| 908 | Sjl-I-124 | 284919.716 | 8674190.385 |
| 909 | Sjl-I-125 | 284933.777 | 8674161.636 |
| 910 | Sjl-I-126 | 284964.025 | 8674118.730 |
| 911 | Sjl-I-127 | 285001.093 | 8674077.528 |
| 912 | Sjl-I-128 | 285038.930 | 8674041.946 |
| 913 | Sjl-I-129 | 285114.644 | 8673980.391 |
| 914 | Sjl-I-130 | 285108.365 | 8673951.290 |
| 915 | Sjl-I-131 | 285078.369 | 8673947.913 |
| 916 | Sjl-I-132 | 280010.258 | 8675042.961 |
| 917 | Sjl-I-133 | 285071.588 | 8674117.349 |
| 918 | Sjl-I-134 | 285152.136 | 8674048.728 |
| 919 | Sjl-I-135 | 285167.345 | 8673944.012 |
| 920 | Lgn-D-1 | 286181.562 | 8672330.787 |
| 921 | Lgn-D-2 | 286101.214 | 8672397.265 |
| 922 | Lgn-D-3 | 286083.527 | 8672499.872 |
| 923 | Lgn-D-4 | 287486.829 | 8670580.377 |
| 924 | Lgn-D-5 | 287488.932 | 8670628.333 |
| 925 | Lgn-D-6 | 287481.654 | 8670645.548 |
| 926 | Lgn-D-7 | 287484.070 | 8670658.969 |
| 927 | Lgn-D-8 | 287465.627 | 8670669.619 |
| 928 | Lgn-D-9 | 287495.632 | 8670722.476 |
| 929 | Lgn-D-10 | 287511.358 | 8670841.678 |
| 930 | Lgn-D-11 | 287515.272 | 8670860.579 |
| 931 | Lgn-D-12 | 287505.562 | 8670874.590 |
| 932 | Lgn-D-13 | 287502.184 | 8670893.701 |
| 933 | Lgn-D-14 | 287497.149 | 8670912.932 |
| 934 | Lgn-D-15 | 287507.267 | 8670922.904 |
| 935 | Lgn-D-16 | 287515.374 | 8670953.561 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

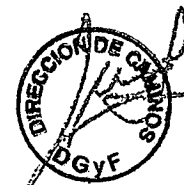
| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 936 | Lgn-D-17 | 287514.592 | 8670991.389 |
| 937 | Lgn-D-18 | 287520.123 | 8671025.850 |
| 938 | Lgn-D-19 | 287521.337 | 8671050.696 |
| 939 | Lgn-D-20 | 287528.142 | 8671101.965 |
| 940 | Lgn-D-21 | 287530.720 | 8671110.963 |
| 941 | Lgn-D-22 | 287537.072 | 8671120.362 |
| 942 | Lgn-D-23 | 287538.604 | 8671144.230 |
| 943 | Lgn-D-24 | 287549.749 | 8671148.722 |
| 944 | Lgn-D-25 | 287554.418 | 8671240.374 |
| 945 | Lgn-D-26 | 287561.073 | 8671294.640 |
| 946 | Lgn-D-27 | 287566.290 | 8671343.664 |
| 947 | Lgn-D-28 | 287566.834 | 8671400.534 |
| 948 | Lgn-D-29 | 287564.390 | 8671428.425 |
| 949 | Lgn-D-30 | 287556.915 | 8671453.305 |
| 950 | Lgn-D-31 | 287556.391 | 8671482.385 |
| 951 | Lgn-D-32 | 287546.008 | 8671516.176 |
| 952 | Lgn-D-33 | 287533.066 | 8671549.378 |
| 953 | Lgn-D-34 | 287513.706 | 8671593.565 |
| 954 | Lgn-D-35 | 287503.045 | 8671579.647 |
| 955 | Lgn-D-36 | 287494.630 | 8671565.105 |
| 956 | Lgn-D-37 | 287483.253 | 8671571.004 |
| 957 | Lgn-D-38 | 287494.126 | 8671594.278 |
| 958 | Lgn-D-39 | 287504.611 | 8671608.947 |
| 959 | Lgn-D-40 | 287440.477 | 8671700.108 |
| 960 | Lgn-D-41 | 287410.704 | 8671724.517 |
| 961 | Lgn-D-42 | 287381.822 | 8671750.489 |
| 962 | Lgn-D-43 | 287360.247 | 8671772.492 |
| 963 | Lgn-D-44 | 287332.942 | 8671789.722 |
| 964 | Lgn-D-45 | 287291.783 | 8671814.710 |
| 965 | Lgn-D-46 | 287261.086 | 8671824.561 |
| 966 | Lgn-D-47 | 287147.944 | 8671867.132 |
| 967 | Lgn-D-48 | 287144.373 | 8671893.640 |
| 968 | Lgn-D-49 | 287089.910 | 8671915.076 |
| 969 | Lgn-D-50 | 286982.579 | 8671962.180 |
| 970 | Lgn-D-51 | 286962.547 | 8671930.258 |
| 971 | Lgn-D-52 | 286949.180 | 8671917.401 |
| 972 | Lgn-D-53 | 286888.489 | 8671889.657 |
| 973 | Lgn-D-54 | 286879.367 | 8671909.189 |
| 974 | Lgn-D-55 | 286931.889 | 8671935.027 |
| 975 | Lgn-D-56 | 286940.932 | 8671950.894 |
| 976 | Lgn-D-57 | 286941.454 | 8671968.983 |
| 977 | Lgn-D-58 | 286877.729 | 8671987.682 |
| 978 | Lgn-D-59 | 286851.200 | 8672005.864 |
| 979 | Lgn-D-60 | 286814.823 | 8672020.324 |
| 980 | Lgn-D-61 | 286748.233 | 8672052.450 |
| 981 | Lgn-D-62 | 286723.295 | 8672062.937 |
| 982 | Lgn-D-63 | 286681.121 | 8672085.225 |
| 983 | Lgn-D-64 | 286645.160 | 8672077.438 |
| 984 | Lgn-D-65 | 286604.801 | 8672065.166 |
| 985 | Lgn-D-66 | 286599.396 | 8672090.924 |
| 986 | Lgn-D-67 | 286602.013 | 8672109.649 |
| 987 | Lgn-D-68 | 286571.763 | 8672136.972 |
| 988 | Lgn-D-69 | 286553.818 | 8672142.188 |
| 989 | Lgn-D-70 | 286511.187 | 8672167.282 |
| 990 | Lgn-D-71 | 286501.169 | 8672162.091 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 991 | Lgn-D-72 | 286479.509 | 8672133.076 |
| 992 | Lgn-D-73 | 286470.659 | 8672139.819 |
| 993 | Lgn-D-74 | 286438.322 | 8672186.884 |
| 994 | Lgn-D-75 | 286424.138 | 8672204.421 |
| 995 | Lgn-D-76 | 286388.123 | 8672238.501 |
| 996 | Lgn-D-77 | 286390.072 | 8672247.188 |
| 997 | Lgn-D-78 | 286368.333 | 8672267.341 |
| 998 | Lgn-D-79 | 286358.782 | 8672269.889 |
| 999 | Lgn-D-80 | 286360.979 | 8672285.983 |
| 1000 | Lgn-D-81 | 286322.202 | 8672323.822 |
| 1001 | Lgn-D-82 | 286292.856 | 8672342.049 |
| 1002 | Lgn-D-83 | 286271.203 | 8672360.182 |
| 1003 | Lgn-D-84 | 286247.578 | 8672382.024 |
| 1004 | Lgn-D-85 | 286229.669 | 8672412.042 |
| 1005 | Lgn-D-86 | 286208.745 | 8672428.569 |
| 1006 | Lgn-D-87 | 286185.803 | 8672441.785 |
| 1007 | Lgn-D-88 | 286139.406 | 8672499.589 |
| 1008 | Lgn-D-89 | 286164.448 | 8672511.503 |
| 1009 | Lgn-I-1 | 286136.896 | 8672589.273 |
| 1010 | Lgn-I-2 | 286214.376 | 8672621.541 |
| 1011 | Lgn-I-3 | 286297.061 | 8672607.136 |
| 1012 | Lgn-I-4 | 286359.064 | 8672550.568 |
| 1013 | Lgn-I-5 | 286380.973 | 8672469.547 |
| 1014 | Lgn-I-6 | 286219.485 | 8672555.510 |
| 1015 | Lgn-I-7 | 286267.611 | 8672519.757 |
| 1016 | Lgn-I-8 | 286272.081 | 8672502.330 |
| 1017 | Lgn-I-9 | 286281.166 | 8672490.404 |
| 1018 | Lgn-I-10 | 286297.742 | 8672478.037 |
| 1019 | Lgn-I-11 | 286315.072 | 8672461.422 |
| 1020 | Lgn-I-12 | 286337.139 | 8672436.103 |
| 1021 | Lgn-I-13 | 286350.283 | 8672413.462 |
| 1022 | Lgn-I-14 | 286357.712 | 8672392.228 |
| 1023 | Lgn-I-15 | 286368.404 | 8672374.205 |
| 1024 | Lgn-I-16 | 286390.983 | 8672358.106 |
| 1025 | Lgn-I-17 | 286417.766 | 8672314.867 |
| 1026 | Lgn-I-18 | 286442.695 | 8672275.103 |
| 1027 | Lgn-I-19 | 286497.230 | 8672233.008 |
| 1028 | Lgn-I-20 | 286506.319 | 8672230.888 |
| 1029 | Lgn-I-21 | 286538.828 | 8672215.891 |
| 1030 | Lgn-I-22 | 286569.321 | 8672198.294 |
| 1031 | Lgn-I-23 | 286585.401 | 8672188.079 |
| 1032 | Lgn-I-24 | 286607.127 | 8672169.252 |
| 1033 | Lgn-I-25 | 286634.243 | 8672164.212 |
| 1034 | Lgn-I-26 | 286652.030 | 8672155.046 |
| 1035 | Lgn-I-27 | 286664.150 | 8672139.073 |
| 1036 | Lgn-I-28 | 286682.043 | 8672141.743 |
| 1037 | Lgn-I-29 | 286718.525 | 8672128.948 |
| 1038 | Lgn-I-30 | 286761.810 | 8672125.665 |
| 1039 | Lgn-I-31 | 286781.152 | 8672123.992 |
| 1040 | Lgn-I-32 | 286818.678 | 8672103.502 |
| 1041 | Lgn-I-33 | 286848.562 | 8672099.437 |
| 1042 | Lgn-I-34 | 286883.343 | 8672088.491 |
| 1043 | Lgn-I-35 | 286920.098 | 8672066.504 |
| 1044 | Lgn-I-36 | 286969.525 | 8672028.137 |
| 1045 | Lgn-I-37 | 286982.956 | 8672028.589 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1046 | Lgn-I-38 | 287011.731 | 8672018.593 |
| 1047 | Lgn-I-39 | 287099.467 | 8671970.385 |
| 1048 | Lgn-I-40 | 287145.439 | 8671950.711 |
| 1049 | Lgn-I-41 | 287191.102 | 8671930.495 |
| 1050 | Lgn-I-42 | 287204.563 | 8671923.744 |
| 1051 | Lgn-I-43 | 287229.227 | 8671911.760 |
| 1052 | Lgn-I-44 | 287248.203 | 8671910.430 |
| 1053 | Lgn-I-45 | 287278.779 | 8671892.865 |
| 1054 | Lgn-I-46 | 287295.540 | 8671881.510 |
| 1055 | Lgn-I-47 | 287314.530 | 8671875.710 |
| 1056 | Lgn-I-48 | 287353.333 | 8671859.027 |
| 1057 | Lgn-I-49 | 287356.206 | 8671846.755 |
| 1058 | Lgn-I-50 | 287376.183 | 8671835.301 |
| 1059 | Lgn-I-51 | 287386.056 | 8671825.302 |
| 1060 | Lgn-I-52 | 287404.229 | 8671816.547 |
| 1061 | Lgn-I-53 | 287441.913 | 8671805.037 |
| 1062 | Lgn-I-54 | 287449.393 | 8671796.335 |
| 1063 | Lgn-I-55 | 287466.554 | 8671789.793 |
| 1064 | Lgn-I-56 | 287487.406 | 8671779.868 |
| 1065 | Lgn-I-57 | 287508.261 | 8671763.483 |
| 1066 | Lgn-I-58 | 287523.855 | 8671748.794 |
| 1067 | Lgn-I-59 | 287513.242 | 8671738.520 |
| 1068 | Lgn-I-60 | 287495.743 | 8671754.232 |
| 1069 | Lgn-I-61 | 287476.987 | 8671767.318 |
| 1070 | Lgn-I-62 | 287450.905 | 8671781.018 |
| 1071 | Lgn-I-63 | 287429.414 | 8671787.618 |
| 1072 | Lgn-I-64 | 287448.604 | 8671769.662 |
| 1073 | Lgn-I-65 | 287465.772 | 8671752.134 |
| 1074 | Lgn-I-66 | 287480.787 | 8671735.751 |
| 1075 | Lgn-I-67 | 287492.621 | 8671721.708 |
| 1076 | Lgn-I-68 | 287519.960 | 8671688.575 |
| 1077 | Lgn-I-69 | 287540.292 | 8671656.099 |
| 1078 | Lgn-I-70 | 287547.340 | 8671676.683 |
| 1079 | Lgn-I-71 | 287557.574 | 8671673.991 |
| 1080 | Lgn-I-72 | 287546.645 | 8671644.205 |
| 1081 | Lgn-I-73 | 287563.595 | 8671608.939 |
| 1082 | Lgn-I-74 | 287586.862 | 8671545.735 |
| 1083 | Lgn-I-75 | 287603.755 | 8671481.950 |
| 1084 | Lgn-I-76 | 287613.656 | 8671416.764 |
| 1085 | Lgn-I-77 | 287616.971 | 8671350.877 |
| 1086 | Lgn-I-78 | 287617.039 | 8671297.287 |
| 1087 | Lgn-I-79 | 287610.007 | 8671240.202 |
| 1088 | Lgn-I-80 | 287601.463 | 8671188.308 |
| 1089 | Lgn-I-81 | 287592.706 | 8671103.700 |
| 1090 | Lgn-I-82 | 287592.844 | 8671070.454 |
| 1091 | Lgn-I-83 | 287587.717 | 8671039.749 |
| 1092 | Lgn-I-84 | 287577.453 | 8671020.227 |
| 1093 | Lgn-I-85 | 287564.147 | 8670887.679 |
| 1094 | Lgn-I-86 | 287567.598 | 8670873.256 |
| 1095 | Lgn-I-87 | 287563.741 | 8670811.221 |
| 1096 | Lgn-I-88 | 287579.193 | 8670802.298 |
| 1097 | Lgn-I-89 | 287558.533 | 8670766.520 |
| 1098 | Lgn-I-90 | 287555.551 | 8670675.834 |
| 1099 | Lgn-I-91 | 287551.785 | 8670636.989 |
| 1100 | Lgn-I-92 | 287553.363 | 8670611.358 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1101 | Lgn-I-93 | 287562.868 | 8670580.448 |
| 1102 | Lgn-I-94 | 287993.799 | 8670580.849 |
| 1103 | Lgn-I-95 | 286205.818 | 8672547.186 |
| 1104 | Agu-D-1 | 288104.532 | 8670182.623 |
| 1105 | Agu-D-2 | 288065.937 | 8670202.025 |
| 1106 | Agu-D-3 | 288015.009 | 8670214.269 |
| 1107 | Agu-D-4 | 287947.278 | 8670213.310 |
| 1108 | Agu-D-5 | 287881.806 | 8670206.678 |
| 1109 | Agu-D-6 | 287830.989 | 8670204.315 |
| 1110 | Agu-D-7 | 287778.701 | 8670213.181 |
| 1111 | Agu-D-8 | 287750.669 | 8670220.548 |
| 1112 | Agu-D-9 | 287752.044 | 8670236.458 |
| 1113 | Agu-D-10 | 287708.821 | 8670253.200 |
| 1114 | Agu-D-11 | 287657.226 | 8670282.253 |
| 1115 | Agu-D-12 | 287609.922 | 8670312.817 |
| 1116 | Agu-D-13 | 287574.476 | 8670353.230 |
| 1117 | Agu-D-14 | 287557.488 | 8670376.529 |
| 1118 | Agu-D-15 | 287537.444 | 8670392.519 |
| 1119 | Agu-D-16 | 287514.373 | 8670403.501 |
| 1120 | Agu-D-17 | 287491.450 | 8670408.751 |
| 1121 | Agu-D-18 | 287463.753 | 8670393.969 |
| 1122 | Agu-D-19 | 287438.022 | 8670384.778 |
| 1123 | Agu-D-20 | 287396.094 | 8670370.519 |
| 1124 | Agu-D-21 | 287363.769 | 8670348.399 |
| 1125 | Agu-D-22 | 287325.218 | 8670324.985 |
| 1126 | Agu-D-23 | 287299.049 | 8670319.845 |
| 1127 | Agu-D-24 | 287289.847 | 8670325.726 |
| 1128 | Agu-D-25 | 287240.943 | 8670323.872 |
| 1129 | Agu-D-26 | 287220.328 | 8670322.746 |
| 1130 | Agu-I-1 | 287994.083 | 8670543.205 |
| 1131 | Agu-I-2 | 288053.703 | 8670539.775 |
| 1132 | Agu-I-3 | 288053.732 | 8670505.282 |
| 1133 | Agu-I-4 | 288127.800 | 8670505.167 |
| 1134 | Agu-I-5 | 288127.977 | 8670499.317 |
| 1135 | Agu-I-6 | 288077.867 | 8670495.897 |
| 1136 | Agu-I-7 | 287995.537 | 8670495.321 |
| 1137 | Agu-I-8 | 287951.303 | 8670492.862 |
| 1138 | Agu-I-9 | 287926.315 | 8670489.375 |
| 1139 | Agu-I-10 | 287841.330 | 8670450.706 |
| 1140 | Agu-I-11 | 287822.609 | 8670442.012 |
| 1141 | Agu-I-12 | 287801.627 | 8670439.551 |
| 1142 | Agu-I-13 | 287771.112 | 8670440.626 |
| 1143 | Agu-I-14 | 287736.771 | 8670447.973 |
| 1144 | Agu-I-15 | 287683.850 | 8670444.524 |
| 1145 | Agu-I-16 | 287636.574 | 8670438.087 |
| 1146 | Agu-I-17 | 287621.213 | 8670435.979 |
| 1147 | Agu-I-18 | 287610.679 | 8670420.007 |
| 1148 | Agu-I-19 | 287606.710 | 8670402.998 |
| 1149 | Agu-I-20 | 287612.873 | 8670374.960 |
| 1150 | Agu-I-21 | 287641.770 | 8670344.305 |
| 1151 | Agu-I-22 | 287659.416 | 8670327.108 |
| 1152 | Agu-I-23 | 287684.664 | 8670309.212 |
| 1153 | Agu-I-24 | 287723.996 | 8670287.609 |
| 1154 | Agu-I-25 | 287768.050 | 8670270.871 |
| 1155 | Agu-I-26 | 287813.637 | 8670260.593 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 1156 | Agu-I-27 | 287817.118 | 8670271.503 |
| 1157 | Agu-I-28 | 287855.471 | 8670268.335 |
| 1158 | Agu-I-29 | 287940.776 | 8670271.306 |
| 1159 | Agu-I-30 | 288009.092 | 8670273.699 |
| 1160 | Agu-I-31 | 288062.376 | 8670268.238 |
| 1161 | Agu-I-32 | 288119.266 | 8670258.973 |
| 1162 | Agu-I-33 | 288145.077 | 8670248.828 |
| 1163 | Agu-I-34 | 288186.917 | 8670221.594 |
| 1164 | Sat-D-1 | 288679.003 | 8667721.556 |
| 1165 | Sat-D-2 | 288744.433 | 8667751.094 |
| 1166 | Sat-D-3 | 288771.234 | 8667768.605 |
| 1167 | Sat-D-4 | 288796.761 | 8667779.744 |
| 1168 | Sat-D-5 | 288875.317 | 8667812.209 |
| 1169 | Sat-D-6 | 288962.673 | 8667848.312 |
| 1170 | Sat-D-7 | 288968.721 | 8667867.696 |
| 1171 | Sat-D-8 | 288824.850 | 8668220.617 |
| 1172 | Sat-D-9 | 288820.144 | 8668226.351 |
| 1173 | Sat-D-10 | 288813.708 | 8668227.501 |
| 1174 | Sat-D-11 | 288807.385 | 8668227.284 |
| 1175 | Sat-D-12 | 288801.197 | 8668228.601 |
| 1176 | Sat-D-13 | 288795.461 | 8668229.222 |
| 1177 | Sat-D-14 | 288790.021 | 8668227.299 |
| 1178 | Sat-D-15 | 288769.156 | 8668214.117 |
| 1179 | Sat-D-16 | 288757.406 | 8668232.716 |
| 1180 | Sat-D-17 | 288777.752 | 8668245.571 |
| 1181 | Sat-D-18 | 288781.911 | 8668249.799 |
| 1182 | Sat-D-19 | 288783.760 | 8668255.435 |
| 1183 | Sat-D-20 | 288786.995 | 8668265.920 |
| 1184 | Sat-D-21 | 288794.267 | 8668274.137 |
| 1185 | Sat-D-22 | 288797.981 | 8668279.517 |
| 1186 | Sat-D-23 | 288797.576 | 8668286.043 |
| 1187 | Sat-D-24 | 288516.478 | 8668960.347 |
| 1188 | Sat-D-25 | 288511.387 | 8668967.604 |
| 1189 | Sat-D-26 | 288503.563 | 8668970.317 |
| 1190 | Sat-D-27 | 288483.023 | 8668966.962 |
| 1191 | Sat-D-28 | 288408.266 | 8668940.210 |
| 1192 | Sat-D-29 | 288399.388 | 8668933.647 |
| 1193 | Sat-D-30 | 288390.197 | 8668930.602 |
| 1194 | Sat-D-31 | 288380.599 | 8668931.877 |
| 1195 | Sat-D-32 | 288369.463 | 8668930.790 |
| 1196 | Sat-D-33 | 288358.079 | 8668926.653 |
| 1197 | Sat-D-34 | 288349.711 | 8668949.680 |
| 1198 | Sat-D-35 | 288361.762 | 8668954.060 |
| 1199 | Sat-D-36 | 288372.402 | 8668962.151 |
| 1200 | Sat-D-37 | 288378.466 | 8668967.734 |
| 1201 | Sat-D-38 | 288385.970 | 8668970.360 |
| 1202 | Sat-D-39 | 288395.938 | 8668971.161 |
| 1203 | Sat-D-40 | 288470.135 | 8668997.912 |
| 1204 | Sat-D-41 | 288490.948 | 8669002.494 |
| 1205 | Sat-D-42 | 288495.694 | 8669005.710 |
| 1206 | Sat-D-43 | 288496.048 | 8669011.432 |
| 1207 | Sat-D-44 | 288476.050 | 8669062.127 |
| 1208 | Sat-D-45 | 288459.518 | 8669109.824 |
| 1209 | Sat-D-46 | 288417.982 | 8669269.108 |
| 1210 | Sat-D-47 | 288336.980 | 8669612.085 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 1211 | Sat-D-48 | 288331.272 | 8669615.865 |
| 1212 | Sat-D-49 | 288309.507 | 8669612.148 |
| 1213 | Sat-I-1 | 288469.972 | 8669288.305 |
| 1214 | Ate-D-1 | 288301.616 | 8669657.009 |
| 1215 | Ate-D-2 | 288320.167 | 8669660.272 |
| 1216 | Ate-D-3 | 288324.167 | 8669666.345 |
| 1217 | Ate-D-4 | 288269.775 | 8669896.680 |
| 1218 | Ate-D-5 | 288249.244 | 8669983.625 |
| 1219 | Ate-D-6 | 288257.721 | 8669985.627 |
| 1220 | Ate-D-7 | 288245.990 | 8670031.713 |
| 1221 | Ate-D-8 | 288238.041 | 8670055.830 |
| 1222 | Ate-D-9 | 288225.530 | 8670084.110 |
| 1223 | Ate-D-10 | 288210.116 | 8670110.185 |
| 1224 | Ate-D-11 | 288172.598 | 8670103.395 |
| 1225 | Ate-D-12 | 288170.550 | 8670114.711 |
| 1226 | Ate-D-13 | 288191.596 | 8670118.520 |
| 1227 | Ate-D-14 | 288167.406 | 8670136.991 |
| 1228 | Ate-D-15 | 288152.228 | 8670142.505 |
| 1229 | Ate-D-16 | 288128.525 | 8670167.074 |
| 1230 | Ate-D-17 | 283523.108 | 8664799.850 |
| 1231 | Ate-D-18 | 283520.296 | 8664780.216 |
| 1232 | Ate-D-19 | 283521.294 | 8664760.370 |
| 1233 | Ate-D-20 | 283524.761 | 8664743.409 |
| 1234 | Ate-D-21 | 283531.597 | 8664727.091 |
| 1235 | Ate-D-22 | 283538.194 | 8664712.105 |
| 1236 | Ate-D-23 | 283543.538 | 8664703.423 |
| 1237 | Ate-D-24 | 283554.859 | 8664708.217 |
| 1238 | Ate-D-25 | 283622.189 | 8664734.605 |
| 1239 | Ate-D-26 | 283659.829 | 8664745.466 |
| 1240 | Ate-D-27 | 283697.385 | 8664753.343 |
| 1241 | Ate-D-28 | 283736.009 | 8664758.503 |
| 1242 | Ate-D-29 | 283775.007 | 8664760.847 |
| 1243 | Ate-D-30 | 283869.446 | 8664760.805 |
| 1244 | Ate-D-31 | 284174.981 | 8664758.734 |
| 1245 | Ate-D-32 | 284209.903 | 8664759.720 |
| 1246 | Ate-D-33 | 284246.485 | 8664762.619 |
| 1247 | Ate-D-34 | 284280.674 | 8664767.212 |
| 1248 | Ate-D-35 | 284310.167 | 8664773.172 |
| 1249 | Ate-D-36 | 284318.831 | 8664775.689 |
| 1250 | Ate-D-37 | 284324.353 | 8664786.187 |
| 1251 | Ate-D-38 | 284365.048 | 8664895.066 |
| 1252 | Ate-D-39 | 284389.284 | 8664885.654 |
| 1253 | Ate-D-40 | 284356.866 | 8664798.620 |
| 1254 | Ate-D-41 | 284357.068 | 8664790.961 |
| 1255 | Ate-D-42 | 284364.702 | 8664791.965 |
| 1256 | Ate-D-43 | 284379.595 | 8664798.252 |
| 1257 | Ate-D-44 | 285005.707 | 8665060.515 |
| 1258 | Ate-D-45 | 285009.238 | 8665064.114 |
| 1259 | Ate-D-46 | 285009.133 | 8665069.155 |
| 1260 | Ate-D-47 | 285003.443 | 8665081.928 |
| 1261 | Ate-D-48 | 285014.405 | 8665086.811 |
| 1262 | Ate-D-49 | 285020.323 | 8665073.526 |
| 1263 | Ate-D-50 | 285023.864 | 8665070.129 |
| 1264 | Ate-D-51 | 285028.772 | 8665070.176 |
| 1265 | Ate-D-52 | 285150.958 | 8665121.356 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1266 | Ate-D-53 | 285160.480 | 8665125.901 |
| 1267 | Ate-D-54 | 285170.283 | 8665131.869 |
| 1268 | Ate-D-55 | 285264.399 | 8665197.736 |
| 1269 | Ate-D-56 | 285272.039 | 8665186.820 |
| 1270 | Ate-D-57 | 285295.904 | 8665205.230 |
| 1271 | Ate-D-58 | 285316.800 | 8665226.952 |
| 1272 | Ate-D-59 | 285332.313 | 8665252.323 |
| 1273 | Ate-D-60 | 285355.132 | 8665291.142 |
| 1274 | Ate-D-61 | 285373.547 | 8665332.194 |
| 1275 | Ate-D-62 | 285384.968 | 8665375.704 |
| 1276 | Ate-D-63 | 285390.069 | 8665420.431 |
| 1277 | Ate-D-64 | 285391.544 | 8665579.212 |
| 1278 | Ate-D-65 | 285387.921 | 8665596.229 |
| 1279 | Ate-D-66 | 285382.492 | 8665632.888 |
| 1280 | Ate-D-67 | 285377.061 | 8665672.958 |
| 1281 | Ate-D-68 | 285377.904 | 8665688.149 |
| 1282 | Ate-D-69 | 285352.873 | 8665780.932 |
| 1283 | Ate-D-70 | 285319.445 | 8665871.030 |
| 1284 | Ate-D-71 | 285367.345 | 8665891.924 |
| 1285 | Ate-D-72 | 285385.314 | 8665844.705 |
| 1286 | Ate-D-73 | 285398.093 | 8665795.826 |
| 1287 | Ate-D-74 | 285408.428 | 8665745.296 |
| 1288 | Ate-D-75 | 285418.763 | 8665694.767 |
| 1289 | Ate-D-76 | 285428.756 | 8665637.061 |
| 1290 | Ate-D-77 | 285435.239 | 8665578.857 |
| 1291 | Ate-D-78 | 285439.793 | 8665566.211 |
| 1292 | Ate-D-79 | 285442.375 | 8665496.618 |
| 1293 | Ate-D-80 | 285437.337 | 8665342.750 |
| 1294 | Ate-D-81 | 285438.887 | 8665324.237 |
| 1295 | Ate-D-82 | 285447.181 | 8665301.392 |
| 1296 | Ate-D-83 | 285456.547 | 8665288.635 |
| 1297 | Ate-D-84 | 285463.563 | 8665294.912 |
| 1298 | Ate-D-85 | 285466.423 | 8665291.090 |
| 1299 | Ate-D-86 | 285484.671 | 8665279.631 |
| 1300 | Ate-D-87 | 285673.279 | 8665357.855 |
| 1301 | Ate-D-88 | 285699.093 | 8665378.679 |
| 1302 | Ate-D-89 | 285750.668 | 8665420.691 |
| 1303 | Ate-D-90 | 285770.919 | 8665435.198 |
| 1304 | Ate-D-91 | 285789.823 | 8665446.912 |
| 1305 | Ate-D-92 | 285815.052 | 8665460.128 |
| 1306 | Ate-D-93 | 285835.829 | 8665469.200 |
| 1307 | Ate-D-94 | 286085.270 | 8665572.260 |
| 1308 | Ate-D-95 | 286088.270 | 8665577.475 |
| 1309 | Ate-D-96 | 286088.560 | 8665583.315 |
| 1310 | Ate-D-97 | 286063.551 | 8665683.990 |
| 1311 | Ate-D-98 | 286090.833 | 8665690.440 |
| 1312 | Ate-D-99 | 286112.450 | 8665597.395 |
| 1313 | Ate-D-100 | 286117.021 | 8665590.336 |
| 1314 | Ate-D-101 | 286125.327 | 8665589.201 |
| 1315 | Ate-D-102 | 286506.848 | 8665747.231 |
| 1316 | Ate-D-103 | 286519.068 | 8665757.447 |
| 1317 | Ate-D-104 | 286522.814 | 8665768.823 |
| 1318 | Ate-D-105 | 286518.590 | 8665783.922 |
| 1319 | Ate-D-106 | 286503.660 | 8665815.007 |
| 1320 | Ate-D-107 | 286532.510 | 8665828.863 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1321 | Ate-D-108 | 286547.419 | 8665797.820 |
| 1322 | Ate-D-109 | 286555.860 | 8665788.429 |
| 1323 | Ate-D-110 | 286569.313 | 8665785.030 |
| 1324 | Ate-D-111 | 286578.442 | 8665783.957 |
| 1325 | Ate-D-112 | 286589.281 | 8665782.181 |
| 1326 | Ate-D-113 | 286599.512 | 8665784.737 |
| 1327 | Ate-D-114 | 286628.193 | 8665795.197 |
| 1328 | Ate-D-115 | 286668.392 | 8665808.763 |
| 1329 | Ate-D-116 | 286697.152 | 8665820.849 |
| 1330 | Ate-D-117 | 286783.962 | 8665844.037 |
| 1331 | Ate-D-118 | 286825.131 | 8665853.134 |
| 1332 | Ate-D-119 | 286867.287 | 8665861.209 |
| 1333 | Ate-D-120 | 286922.287 | 8665869.897 |
| 1334 | Ate-D-121 | 287189.790 | 8665904.054 |
| 1335 | Ate-D-122 | 287225.500 | 8665909.007 |
| 1336 | Ate-D-123 | 287259.452 | 8665915.133 |
| 1337 | Ate-D-124 | 287299.217 | 8665925.397 |
| 1338 | Ate-D-125 | 287336.139 | 8665938.349 |
| 1339 | Ate-D-126 | 287373.219 | 8665954.035 |
| 1340 | Ate-D-127 | 287525.300 | 8666022.821 |
| 1341 | Ate-D-128 | 287533.067 | 8666029.722 |
| 1342 | Ate-D-129 | 287535.552 | 8666039.810 |
| 1343 | Ate-D-130 | 287529.022 | 8666148.823 |
| 1344 | Ate-D-131 | 287555.974 | 8666150.437 |
| 1345 | Ate-D-132 | 287560.250 | 8666079.059 |
| 1346 | Ate-D-133 | 287564.198 | 8666066.424 |
| 1347 | Ate-D-134 | 287573.492 | 8666057.159 |
| 1348 | Ate-D-135 | 287586.360 | 8666053.236 |
| 1349 | Ate-D-136 | 287599.041 | 8666055.651 |
| 1350 | Ate-D-137 | 287625.870 | 8666068.528 |
| 1351 | Ate-D-138 | 287653.649 | 8666083.711 |
| 1352 | Ate-D-139 | 287711.180 | 8666114.668 |
| 1353 | Ate-D-140 | 288213.244 | 8666387.459 |
| 1354 | Ate-D-141 | 288251.405 | 8666404.614 |
| 1355 | Ate-D-142 | 288270.364 | 8666406.959 |
| 1356 | Ate-D-143 | 288284.032 | 8666407.260 |
| 1357 | Ate-D-144 | 288293.383 | 8666412.697 |
| 1358 | Ate-D-145 | 288293.558 | 8666423.512 |
| 1359 | Ate-D-146 | 288279.553 | 8666449.279 |
| 1360 | Ate-D-147 | 288324.309 | 8666473.605 |
| 1361 | Ate-D-148 | 288340.121 | 8666446.349 |
| 1362 | Ate-D-149 | 288388.923 | 8666476.618 |
| 1363 | Ate-D-150 | 288416.022 | 8666495.748 |
| 1364 | Ate-D-151 | 288459.606 | 8666531.995 |
| 1365 | Ate-D-152 | 288501.400 | 8666574.709 |
| 1366 | Ate-D-153 | 288527.989 | 8666607.969 |
| 1367 | Ate-D-154 | 288553.479 | 8666645.191 |
| 1368 | Ate-D-155 | 288586.640 | 8666701.982 |
| 1369 | Ate-D-156 | 288625.323 | 8666774.117 |
| 1370 | Ate-D-157 | 288628.348 | 8666784.151 |
| 1371 | Ate-D-158 | 288627.472 | 8666794.595 |
| 1372 | Ate-D-159 | 288620.687 | 8666807.703 |
| 1373 | Ate-D-160 | 288609.226 | 8666817.003 |
| 1374 | Ate-D-161 | 288587.277 | 8666829.858 |
| 1375 | Ate-D-162 | 288613.724 | 8666869.912 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1376 | Ate-D-163 | 288627.633 | 8666860.888 |
| 1377 | Ate-D-164 | 288643.313 | 8666856.405 |
| 1378 | Ate-D-165 | 288657.836 | 8666858.266 |
| 1379 | Ate-D-166 | 288667.250 | 8666865.152 |
| 1380 | Ate-D-167 | 289019.101 | 8667517.125 |
| 1381 | Ate-D-168 | 289034.413 | 8667541.617 |
| 1382 | Ate-D-169 | 289043.749 | 8667568.113 |
| 1383 | Ate-D-170 | 289050.061 | 8667605.356 |
| 1384 | Ate-D-171 | 289050.162 | 8667656.116 |
| 1385 | Ate-D-172 | 289042.293 | 8667700.612 |
| 1386 | Ate-D-173 | 289030.095 | 8667728.852 |
| 1387 | Ate-D-174 | 289016.859 | 8667746.658 |
| 1388 | Ate-D-175 | 288995.313 | 8667764.221 |
| 1389 | Ate-D-176 | 288973.496 | 8667774.928 |
| 1390 | Ate-D-177 | 288936.035 | 8667780.704 |
| 1391 | Ate-D-178 | 288898.919 | 8667773.272 |
| 1392 | Ate-D-179 | 288815.272 | 8667738.592 |
| 1393 | Ate-D-180 | 288796.995 | 8667731.734 |
| 1394 | Ate-D-181 | 288779.888 | 8667726.585 |
| 1395 | Ate-D-182 | 288762.159 | 8667722.528 |
| 1396 | Ate-D-183 | 288689.468 | 8667696.234 |
| 1397 | Ate-I-1 | 288233.970 | 8670186.497 |
| 1398 | Ate-I-2 | 288255.002 | 8670150.073 |
| 1399 | Ate-I-3 | 288252.117 | 8670136.793 |
| 1400 | Ate-I-4 | 288262.299 | 8670119.076 |
| 1401 | Ate-I-5 | 288271.168 | 8670109.774 |
| 1402 | Ate-I-6 | 288280.258 | 8670091.692 |
| 1403 | Ate-I-7 | 288378.579 | 8669675.330 |
| 1404 | Ate-I-8 | 288384.311 | 8669671.555 |
| 1405 | Ate-I-9 | 288406.249 | 8669675.414 |
| 1406 | Ate-I-10 | 288414.005 | 8669629.991 |
| 1407 | Ate-I-11 | 288395.491 | 8669626.830 |
| 1408 | Ate-I-12 | 288391.467 | 8669620.752 |
| 1409 | Ate-I-13 | 288502.705 | 8669153.092 |
| 1410 | Ate-I-14 | 288516.793 | 8669108.589 |
| 1411 | Ate-I-15 | 288534.562 | 8669055.355 |
| 1412 | Ate-I-16 | 288556.018 | 8669009.777 |
| 1413 | Ate-I-17 | 288561.331 | 8669004.049 |
| 1414 | Ate-I-18 | 288569.007 | 8669002.594 |
| 1415 | Ate-I-19 | 288646.637 | 8669013.791 |
| 1416 | Ate-I-20 | 288657.688 | 8669020.344 |
| 1417 | Ate-I-21 | 288660.885 | 8669032.788 |
| 1418 | Ate-I-22 | 288658.969 | 8669046.337 |
| 1419 | Ate-I-23 | 288668.870 | 8669047.738 |
| 1420 | Ate-I-24 | 288671.079 | 8669032.121 |
| 1421 | Ate-I-25 | 288673.648 | 8669026.014 |
| 1422 | Ate-I-26 | 288678.892 | 8669021.966 |
| 1423 | Ate-I-27 | 288687.358 | 8669017.754 |
| 1424 | Ate-I-28 | 288707.816 | 8669019.787 |
| 1425 | Ate-I-29 | 288712.099 | 8668990.094 |
| 1426 | Ate-I-30 | 288690.556 | 8668986.987 |
| 1427 | Ate-I-31 | 288682.012 | 8668981.920 |
| 1428 | Ate-I-32 | 288679.540 | 8668972.299 |
| 1429 | Ate-I-33 | 288682.525 | 8668951.194 |
| 1430 | Ate-I-34 | 288672.630 | 8668949.744 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1431 | Ate-I-35 | 288669.652 | 8668970.801 |
| 1432 | Ate-I-36 | 288664.580 | 8668979.380 |
| 1433 | Ate-I-37 | 288654.924 | 8668981.847 |
| 1434 | Ate-I-38 | 288590.118 | 8668972.499 |
| 1435 | Ate-I-39 | 288582.363 | 8668967.570 |
| 1436 | Ate-I-40 | 288583.741 | 8668959.114 |
| 1437 | Ate-I-41 | 288601.202 | 8668934.432 |
| 1438 | Ate-I-42 | 288616.724 | 8668910.079 |
| 1439 | Ate-I-43 | 288632.527 | 8668882.361 |
| 1440 | Ate-I-44 | 288647.095 | 8668853.363 |
| 1441 | Ate-I-45 | 288660.470 | 8668822.848 |
| 1442 | Ate-I-46 | 288691.175 | 8668749.192 |
| 1443 | Ate-I-47 | 288698.920 | 8668744.909 |
| 1444 | Ate-I-48 | 288857.319 | 8668364.939 |
| 1445 | Ate-I-49 | 288852.242 | 8668362.822 |
| 1446 | Ate-I-50 | 289047.599 | 8667894.196 |
| 1447 | Ate-I-51 | 289053.123 | 8667888.756 |
| 1448 | Ate-I-52 | 289060.875 | 8667888.898 |
| 1449 | Ate-I-53 | 289178.728 | 8667938.205 |
| 1450 | Ate-I-54 | 289204.858 | 8667952.619 |
| 1451 | Ate-I-55 | 289227.906 | 8667970.225 |
| 1452 | Ate-I-56 | 289244.872 | 8667987.116 |
| 1453 | Ate-I-57 | 289266.371 | 8668012.192 |
| 1454 | Ate-I-58 | 289286.884 | 8668034.147 |
| 1455 | Ate-I-59 | 289304.853 | 8668049.842 |
| 1456 | Ate-I-60 | 289375.389 | 8668129.652 |
| 1457 | Ate-I-61 | 289396.465 | 8668112.143 |
| 1458 | Ate-I-62 | 289350.670 | 8668057.017 |
| 1459 | Ate-I-63 | 289333.363 | 8668033.087 |
| 1460 | Ate-I-64 | 289307.552 | 8667991.685 |
| 1461 | Ate-I-65 | 289294.635 | 8667975.818 |
| 1462 | Ate-I-66 | 289275.250 | 8667953.711 |
| 1463 | Ate-I-67 | 289255.005 | 8667934.140 |
| 1464 | Ate-I-68 | 289230.242 | 8667915.451 |
| 1465 | Ate-I-69 | 289200.834 | 8667898.910 |
| 1466 | Ate-I-70 | 289157.024 | 8667879.939 |
| 1467 | Ate-I-71 | 289107.384 | 8667859.424 |
| 1468 | Ate-I-72 | 289098.422 | 8667853.249 |
| 1469 | Ate-I-73 | 289093.485 | 8667844.367 |
| 1470 | Ate-I-74 | 289092.899 | 8667833.985 |
| 1471 | Ate-I-75 | 289093.691 | 8667824.999 |
| 1472 | Ate-I-76 | 289092.910 | 8667814.312 |
| 1473 | Ate-I-77 | 289090.283 | 8667803.844 |
| 1474 | Ate-I-78 | 289088.859 | 8667791.305 |
| 1475 | Ate-I-79 | 289092.550 | 8667779.237 |
| 1476 | Ate-I-80 | 289101.035 | 8667762.770 |
| 1477 | Ate-I-81 | 289109.636 | 8667743.072 |
| 1478 | Ate-I-82 | 289125.544 | 8667697.689 |
| 1479 | Ate-I-83 | 289130.722 | 8667649.978 |
| 1480 | Ate-I-84 | 289132.402 | 8667599.515 |
| 1481 | Ate-I-85 | 289124.392 | 8667563.646 |
| 1482 | Ate-I-86 | 289116.417 | 8667533.008 |
| 1483 | Ate-I-87 | 289102.836 | 8667504.013 |
| 1484 | Ate-I-88 | 289064.557 | 8667432.932 |
| 1485 | Ate-I-89 | 288742.987 | 8666837.382 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 1486 | Ate-I-90 | 288742.046 | 8666828.252 |
| 1487 | Ate-I-91 | 288747.481 | 8666821.318 |
| 1488 | Ate-I-92 | 288764.099 | 8666812.321 |
| 1489 | Ate-I-93 | 288752.222 | 8666790.315 |
| 1490 | Ate-I-94 | 288735.975 | 8666799.111 |
| 1491 | Ate-I-95 | 288726.833 | 8666800.058 |
| 1492 | Ate-I-96 | 288719.703 | 8666794.259 |
| 1493 | Ate-I-97 | 288707.534 | 8666771.723 |
| 1494 | Ate-I-98 | 288707.026 | 8666766.774 |
| 1495 | Ate-I-99 | 288710.166 | 8666762.915 |
| 1496 | Ate-I-100 | 288731.282 | 8666751.518 |
| 1497 | Ate-I-101 | 288726.533 | 8666742.718 |
| 1498 | Ate-I-102 | 288703.213 | 8666755.304 |
| 1499 | Ate-I-103 | 288698.265 | 8666755.812 |
| 1500 | Ate-I-104 | 288694.406 | 8666752.672 |
| 1501 | Ate-I-105 | 288674.012 | 8666714.096 |
| 1502 | Ate-I-106 | 288655.765 | 8666675.886 |
| 1503 | Ate-I-107 | 288637.701 | 8666642.570 |
| 1504 | Ate-I-108 | 288600.027 | 8666581.197 |
| 1505 | Ate-I-109 | 288572.788 | 8666546.545 |
| 1506 | Ate-I-110 | 288534.179 | 8666503.380 |
| 1507 | Ate-I-111 | 288504.238 | 8666473.843 |
| 1508 | Ate-I-112 | 288481.978 | 8666453.773 |
| 1509 | Ate-I-113 | 288450.789 | 8666428.066 |
| 1510 | Ate-I-114 | 288422.049 | 8666408.937 |
| 1511 | Ate-I-115 | 288392.945 | 8666393.100 |
| 1512 | Ate-I-116 | 288379.943 | 8666387.857 |
| 1513 | Ate-I-117 | 288379.052 | 8666384.443 |
| 1514 | Ate-I-118 | 288395.420 | 8666356.367 |
| 1515 | Ate-I-119 | 285135.249 | 8664651.596 |
| 1516 | Ate-I-120 | 285159.033 | 8664712.594 |
| 1517 | Ate-I-121 | 285147.507 | 8664717.387 |
| 1518 | Ate-I-122 | 285191.781 | 8664826.163 |
| 1519 | Ate-I-123 | 285220.478 | 8664902.716 |
| 1520 | Ate-I-124 | 285223.508 | 8664919.284 |
| 1521 | Ate-I-125 | 285223.447 | 8664936.008 |
| 1522 | Ate-I-126 | 285220.303 | 8664952.497 |
| 1523 | Ate-I-127 | 285213.434 | 8664969.593 |
| 1524 | Ate-I-128 | 285203.587 | 8664984.557 |
| 1525 | Ate-I-129 | 285191.487 | 8664996.900 |
| 1526 | Ate-I-130 | 285178.359 | 8665005.770 |
| 1527 | Ate-I-131 | 285164.258 | 8665012.707 |
| 1528 | Ate-I-132 | 285149.816 | 8665016.702 |
| 1529 | Ate-I-133 | 285135.082 | 8665018.271 |
| 1530 | Ate-I-134 | 285116.137 | 8665016.744 |
| 1531 | Ate-I-135 | 285100.396 | 8665012.640 |
| 1532 | Ate-I-136 | 285083.911 | 8665006.499 |
| 1533 | Ate-I-137 | 284981.460 | 8664963.623 |
| 1534 | Ate-I-138 | 284978.755 | 8664960.882 |
| 1535 | Ate-I-139 | 284978.922 | 8664956.827 |
| 1536 | Ate-I-140 | 284985.996 | 8664940.419 |
| 1537 | Ate-I-141 | 284962.834 | 8664930.421 |
| 1538 | Ate-I-142 | 284955.508 | 8664947.391 |
| 1539 | Ate-I-143 | 284952.788 | 8664950.046 |
| 1540 | Ate-I-144 | 284948.986 | 8664950.021 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 1541 | Ate-I-145 | 284398.138 | 8664719.284 |
| 1542 | Ate-I-146 | 284353.525 | 8664700.866 |
| 1543 | Ate-I-147 | 284338.650 | 8664692.244 |
| 1544 | Ate-I-148 | 284323.406 | 8664679.737 |
| 1545 | Ate-I-149 | 284312.983 | 8664668.113 |
| 1546 | Ate-I-150 | 284304.594 | 8664654.973 |
| 1547 | Ate-I-151 | 284298.954 | 8664643.182 |
| 1548 | Ate-I-152 | 284273.420 | 8664575.035 |
| 1549 | Ate-I-153 | 284249.092 | 8664584.520 |
| 1550 | Ate-I-154 | 284282.168 | 8664673.148 |
| 1551 | Ate-I-155 | 284283.280 | 8664679.531 |
| 1552 | Ate-I-156 | 284278.613 | 8664685.985 |
| 1553 | Ate-I-157 | 284268.119 | 8664684.632 |
| 1554 | Ate-I-158 | 284229.244 | 8664680.745 |
| 1555 | Ate-I-159 | 284184.740 | 8664678.872 |
| 1556 | Ate-I-160 | 284143.403 | 8664678.719 |
| 1557 | Ate-I-161 | 283846.233 | 8664680.980 |
| 1558 | Ate-I-162 | 283781.181 | 8664680.992 |
| 1559 | Ate-I-163 | 283746.328 | 8664679.117 |
| 1560 | Ate-I-164 | 283716.328 | 8664675.390 |
| 1561 | Ate-I-165 | 283683.796 | 8664668.959 |
| 1562 | Ate-I-166 | 283645.188 | 8664657.946 |
| 1563 | Ate-I-167 | 283616.302 | 8664647.366 |
| 1564 | Ate-I-168 | 283580.973 | 8664632.310 |
| 1565 | Ate-I-169 | 283576.272 | 8664630.369 |
| 1566 | Ate-I-170 | 283576.700 | 8664624.636 |
| 1567 | Ate-I-171 | 283580.147 | 8664617.341 |
| 1568 | Ate-I-172 | 283589.159 | 8664596.368 |
| 1569 | Ate-I-173 | 283597.467 | 8664581.273 |
| 1570 | Ate-I-174 | 283607.393 | 8664568.113 |
| 1571 | Ate-I-175 | 283622.944 | 8664553.848 |
| 1572 | Ate-I-176 | 283373.424 | 8664502.850 |
| 1573 | Ate-I-177 | 283353.617 | 8664499.828 |
| 1574 | Ate-I-178 | 283334.128 | 8664495.324 |
| 1575 | Ate-I-179 | 283316.483 | 8664485.984 |
| 1576 | Ate-I-180 | 283302.305 | 8664471.928 |
| 1577 | Ate-I-181 | 283292.814 | 8664454.365 |
| 1578 | Ate-I-182 | 283290.133 | 8664435.354 |
| 1579 | Ate-I-183 | 283312.720 | 8664430.180 |
| 1580 | Ate-I-184 | 283309.371 | 8664415.558 |
| 1581 | Ate-I-185 | 283291.007 | 8664419.765 |
| 1582 | Ate-I-186 | 283289.176 | 8664418.198 |
| 1583 | Ate-I-187 | 283290.624 | 8664407.456 |
| 1584 | Ate-I-188 | 283293.963 | 8664396.713 |
| 1585 | Ate-I-189 | 283304.837 | 8664377.576 |
| 1586 | Mol-D-1 | 285509.469 | 8665275.080 |
| 1587 | Mol-D-2 | 285531.981 | 8665279.873 |
| 1588 | Mol-D-3 | 285587.868 | 8665306.202 |
| 1589 | Mol-D-4 | 285615.994 | 8665320.532 |
| 1590 | Mol-D-5 | 285647.177 | 8665339.293 |
| 1591 | Mol-I-1 | 288351.890 | 8666330.989 |
| 1592 | Mol-I-2 | 288340.168 | 8666351.095 |
| 1593 | Mol-I-3 | 288331.249 | 8666357.986 |
| 1594 | Mol-I-4 | 288320.049 | 8666356.720 |
| 1595 | Mol-I-5 | 288313.361 | 8666350.810 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1596 | Mol-I-6 | 287783.682 | 8666063.015 |
| 1597 | Mol-I-7 | 287743.222 | 8666041.559 |
| 1598 | Mol-I-8 | 287682.233 | 8666011.353 |
| 1599 | Mol-I-9 | 287572.550 | 8665961.334 |
| 1600 | Mol-I-10 | 287567.026 | 8665951.620 |
| 1601 | Mol-I-11 | 287571.742 | 8665930.037 |
| 1602 | Mol-I-12 | 287579.285 | 8665907.285 |
| 1603 | Mol-I-13 | 287600.930 | 8665841.529 |
| 1604 | Mol-I-14 | 287577.188 | 8665833.699 |
| 1605 | Mol-I-15 | 287556.260 | 8665897.161 |
| 1606 | Mol-I-16 | 287545.040 | 8665932.592 |
| 1607 | Mol-I-17 | 287538.377 | 8665940.892 |
| 1608 | Mol-I-18 | 287527.734 | 8665941.048 |
| 1609 | Mol-I-19 | 287462.525 | 8665911.531 |
| 1610 | Mol-I-20 | 287413.960 | 8665889.560 |
| 1611 | Mol-I-21 | 287378.394 | 8665874.033 |
| 1612 | Mol-I-22 | 287353.065 | 8665863.984 |
| 1613 | Mol-I-23 | 287326.473 | 8665854.808 |
| 1614 | Mol-I-24 | 287294.692 | 8665845.800 |
| 1615 | Mol-I-25 | 287254.848 | 8665837.344 |
| 1616 | Mol-I-26 | 287223.166 | 8665832.359 |
| 1617 | Mol-I-27 | 286874.658 | 8665787.830 |
| 1618 | Mol-I-28 | 286847.810 | 8665784.329 |
| 1619 | Mol-I-29 | 286817.916 | 8665779.010 |
| 1620 | Mol-I-30 | 286789.286 | 8665772.091 |
| 1621 | Mol-I-31 | 286777.407 | 8665768.678 |
| 1622 | Mol-I-32 | 286743.970 | 8665757.279 |
| 1623 | Mol-I-33 | 286711.849 | 8665744.164 |
| 1624 | Mol-I-34 | 286640.734 | 8665714.640 |
| 1625 | Mol-I-35 | 286627.951 | 8665711.498 |
| 1626 | Mol-I-36 | 286620.148 | 8665706.223 |
| 1627 | Mol-I-37 | 286611.251 | 8665693.481 |
| 1628 | Mol-I-38 | 286606.704 | 8665682.096 |
| 1629 | Mol-I-39 | 286608.800 | 8665670.018 |
| 1630 | Mol-I-40 | 286620.950 | 8665644.721 |
| 1631 | Mol-I-41 | 286592.101 | 8665630.865 |
| 1632 | Mol-I-42 | 286577.659 | 8665660.934 |
| 1633 | Mol-I-43 | 286570.355 | 8665669.573 |
| 1634 | Mol-I-44 | 286559.770 | 8665673.565 |
| 1635 | Mol-I-45 | 286548.080 | 8665675.623 |
| 1636 | Mol-I-46 | 286539.652 | 8665674.228 |
| 1637 | Mol-I-47 | 286141.133 | 8665509.064 |
| 1638 | Mol-I-48 | 286136.042 | 8665504.090 |
| 1639 | Mol-I-49 | 286135.181 | 8665497.531 |
| 1640 | Mol-I-50 | 286147.746 | 8665444.626 |
| 1641 | Mol-I-51 | 286155.272 | 8665400.316 |
| 1642 | Mol-I-52 | 286130.262 | 8665395.223 |
| 1643 | Mol-I-53 | 286124.329 | 8665432.881 |
| 1644 | Mol-I-54 | 286111.269 | 8665487.867 |
| 1645 | Mol-I-55 | 286106.204 | 8665492.979 |
| 1646 | Mol-I-56 | 286097.762 | 8665491.135 |
| 1647 | Mol-I-57 | 285901.492 | 8665409.812 |
| 1648 | Mol-I-58 | 285853.915 | 8665389.956 |
| 1649 | Mol-I-59 | 285827.482 | 8665376.259 |
| 1650 | Mol-I-60 | 285803.874 | 8665360.632 |



ANEXO N° 1

**CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP**

| ID | Descripción | Este (X) | Norte (Y) |
|------|-------------|------------|-------------|
| 1651 | Mol-I-61 | 285701.129 | 8665276.994 |
| 1652 | Mol-I-62 | 285684.513 | 8665264.760 |
| 1653 | Mol-I-63 | 285661.824 | 8665251.061 |
| 1654 | Mol-I-64 | 285636.888 | 8665239.346 |
| 1655 | Mol-I-65 | 285419.855 | 8665148.224 |
| 1656 | Mol-I-66 | 285411.692 | 8665141.407 |
| 1657 | Mol-I-67 | 285389.401 | 8665108.592 |
| 1658 | Mol-I-68 | 285196.747 | 8664626.555 |
| 1659 | Sls-D-1 | 282859.204 | 8664263.904 |
| 1660 | Sls-D-2 | 283124.239 | 8664402.516 |
| 1661 | Sls-D-3 | 283136.567 | 8664416.334 |
| 1662 | Sls-D-4 | 283136.104 | 8664436.362 |
| 1663 | Sls-D-5 | 283136.942 | 8664449.685 |
| 1664 | Sls-D-6 | 283139.314 | 8664459.767 |
| 1665 | Sls-D-7 | 283144.258 | 8664471.878 |
| 1666 | Sls-D-8 | 283146.614 | 8664480.923 |
| 1667 | Sls-D-9 | 283143.042 | 8664494.465 |
| 1668 | Sls-D-10 | 283129.860 | 8664511.484 |
| 1669 | Sls-D-11 | 283162.172 | 8664537.338 |
| 1670 | Sls-D-12 | 283152.624 | 8664548.827 |
| 1671 | Sls-D-13 | 283163.247 | 8664557.158 |
| 1672 | Sls-D-14 | 283173.751 | 8664546.817 |
| 1673 | Sls-D-15 | 283185.103 | 8664540.303 |
| 1674 | Sls-D-16 | 283195.303 | 8664537.123 |
| 1675 | Sls-D-17 | 283208.312 | 8664535.674 |
| 1676 | Sls-D-18 | 283226.384 | 8664537.879 |
| 1677 | Sls-D-19 | 283246.312 | 8664546.677 |
| 1678 | Sls-D-20 | 283265.652 | 8664558.048 |
| 1679 | Sls-D-21 | 283307.288 | 8664582.678 |
| 1680 | Sls-D-22 | 283372.298 | 8664620.841 |
| 1681 | Sls-D-23 | 283439.043 | 8664655.868 |
| 1682 | Sls-D-24 | 283508.852 | 8664686.912 |
| 1683 | Sls-D-25 | 283515.073 | 8664691.547 |
| 1684 | Sls-D-26 | 283513.852 | 8664699.956 |
| 1685 | Sls-D-27 | 283496.927 | 8664739.229 |
| 1686 | Sls-D-28 | 283492.865 | 8664751.563 |
| 1687 | Sls-D-29 | 283490.215 | 8664764.096 |
| 1688 | Sls-D-30 | 283488.600 | 8664780.186 |
| 1689 | Sls-D-31 | 283488.727 | 8664793.077 |
| 1690 | Sls-D-32 | 283490.584 | 8664806.245 |
| 1691 | Sls-I-1 | 283604.921 | 8664532.155 |
| 1692 | Sls-I-2 | 283588.257 | 8664548.886 |
| 1693 | Sls-I-3 | 283576.219 | 8664564.449 |
| 1694 | Sls-I-4 | 283566.957 | 8664580.249 |
| 1695 | Sls-I-5 | 283558.448 | 8664599.084 |
| 1696 | Sls-I-6 | 283552.706 | 8664612.128 |
| 1697 | Sls-I-7 | 283547.374 | 8664617.295 |
| 1698 | Sls-I-8 | 283538.986 | 8664614.955 |
| 1699 | Sls-I-9 | 283520.501 | 8664606.833 |
| 1700 | Sls-I-10 | 283458.839 | 8664579.724 |
| 1701 | Sls-I-11 | 283421.505 | 8664561.420 |
| 1702 | Sls-I-12 | 283385.727 | 8664540.639 |
| 1703 | Sls-I-13 | 283342.287 | 8664510.546 |
| 1704 | Sls-I-14 | 283371.539 | 8664515.207 |
| 1705 | Sls-I-15 | 283258.520 | 8664346.418 |



ANEXO N° 1

CUADRO DE COORDENADAS UTM DATUM WGS-84, ZONA 18 SUR
FRANJA DEL DERECHO DE VIA DEL PROYECTO IPC-AVP

| ID | Descripción | Este (X) | Norte (Y) |
|-----------|--------------------|-----------------|------------------|
| 1706 | Sls-I-16 | 283243.580 | 8664365.374 |
| 1707 | Sls-I-17 | 283232.103 | 8664370.544 |
| 1708 | Sls-I-18 | 283211.404 | 8664368.285 |
| 1709 | Sls-I-19 | 283195.878 | 8664368.934 |
| 1710 | Sls-I-20 | 283180.731 | 8664373.021 |
| 1711 | Sls-I-21 | 283159.359 | 8664382.817 |
| 1712 | Sls-I-22 | 283147.517 | 8664381.210 |
| 1713 | Sls-I-23 | 283104.332 | 8664357.067 |
| 1714 | Sls-I-24 | 283043.468 | 8664325.368 |
| 1715 | Sls-I-25 | 283011.267 | 8664308.726 |
| 1716 | Sls-I-26 | 282872.979 | 8664237.253 |

