



JEGC / LFB / PUV / DDC / IVF / CFH

**MODIFICA DE FORMA TRANSITORIA EL PROGRAMA DE OPERACIÓN PARA ESTACIONALIDAD NORMAL, ESTABLECE PUNTOS DE CONTROL Y LISTA DE PASADAS PROGRAMADAS DE LA UNIDAD DE NEGOCIOS "UN 03" DEL PERÍMETRO DE EXCLUSIÓN DEL GRAN VALPARAÍSO**

**RESOLUCIÓN EXENTA N° 1657 /**

**VALPARAÍSO, 27 DE OCTUBRE DE 2020**

**VISTOS:**

Los artículos 6 y 7 de la Constitución Política de la República; el Decreto con Fuerza de Ley N° 279 de 1960, del Ministerio de Hacienda, que fija normas sobre atribuciones del ministerio de economía en materia de transportes y reestructuración de la subsecretaría de transportes; el Decreto Ley N°557 de 1974, que crea el Ministerio de Transportes; las leyes N°18.696, que modifica el artículo 6° de la Ley N°18.502, autoriza importación de vehículos que señala y establece normas sobre transporte de pasajeros, N°19.040, que establece normas para adquisición por el fisco de vehículos que indica y otras disposiciones relativas a la locomoción colectiva de pasajeros, N°18.059, que asigna al Ministerio de Transportes y Telecomunicaciones el carácter de organismo rector nacional de tránsito y le señala atribuciones y N°20.378, que crea un subsidio nacional para el transporte público remunerado de pasajeros; los Decretos Supremos N° 212 de 1992 que establece el Reglamento de los Servicios Nacionales de Transporte Público de pasajeros y N°1 de 1994, que dispone medidas aplicables a vehículos de servicios de locomoción colectiva urbana en ciudades que indica y modifica Decreto N°168, de 1993, ambos del Ministerio de Transportes y Telecomunicaciones, Subsecretaría de Transportes; las Resoluciones Exentas N° 130, de 2014, que aprueba formato tipo de acto administrativo que establece perímetro de exclusión de la ley N°18.696, en el área geográfica de aplicación del mismo y aprueba condiciones de operación, requisitos y otras exigencias que expone, N°1247 que establece estándares técnicos, de operación y de acreditación de los sistemas tecnológicos de localización automática de vehículos (AVL) y establece las condiciones de entrega de datos e información contenida o proveniente de dichos sistemas y N°4102, que modifica Resolución Exenta N°1247, del Ministerio de Transportes y Telecomunicaciones, en lo que indica, estas últimas de 2015, del Ministerio de Transportes y Telecomunicaciones; la Resolución Exenta N° 1888 de fecha 11 de Junio de 2018 del Ministerio de Transportes y Telecomunicaciones, que establece perímetro de exclusión integrado de buses, taxibuses y trolebuses en el Gran Valparaíso, de acuerdo a la Ley N°18.696, determina área geográfica de aplicación del mismo, aprueba otras exigencias que expone y deja sin efecto resoluciones que indica; la Resolución Exenta N°1745/2019, de fecha 19 de Junio de 2019, que aprueba condiciones de operación requisitos y otras exigencias que expone de perímetro de exclusión de la Ley N°18.696 establecido en Gran Valparaíso del Ministerio de Transportes y Telecomunicaciones y sus modificaciones; la Resolución Exenta N°742, del año de 2020 de la Secretaría Regional Ministerial de Transportes y Telecomunicaciones de la Región de Valparaíso; los Decretos N°104/2020, que declara estado de excepción constitucional de catástrofe, por calamidad pública, en el territorio de Chile, N°269/2020 que proroga declaración de estado de excepción constitucional de catástrofe, por calamidad pública, en el territorio



de Chile, por el lapso que indica, y N°400/2020, que prorroga declaración de estado de excepción constitucional de catástrofe, por calamidad pública, en el territorio de Chile, por el lapso que indica, todos del Ministerio del Interior y Seguridad Pública; las Resoluciones N°s7 y 8 de 2019, de la Contraloría General de la Republica; y las demás normas aplicables a la materia.

#### **CONSIDERANDO:**

1. Que, conforme las atribuciones que otorga la ley N°18.696, en su artículo 3°, el Ministerio de Transportes y Telecomunicaciones se encuentra facultado para establecer las medidas tendientes a alcanzar la meta de ordenar y regular los servicios de Transporte público remunerado, y dentro de las herramientas que existen, se encuentra el Perímetro de Exclusión.

2. Que, a través de la Resolución Exenta N°1745 de 19 de junio de 2019, y sus modificaciones, el Ministerio de Transportes y Telecomunicaciones, aprobó las Condiciones de Operación, Requisitos y Otras Exigencias que Expone de Perímetro de Exclusión de la ley N°18.696 Establecida en Gran Valparaíso.

3. Que, teniendo presente lo establecido en el punto 3.2.5. de la Resolución Exenta citada en el considerando anterior, la Secretaria Regional Ministerial de Transportes y Telecomunicaciones podrá modificar el programa de operación establecido.

4. Que, desde el mes de octubre del año 2019 y durante el transcurso del presente año, la movilidad de las personas en nuestro país ha tenido cambios en su comportamiento habitual, lo que ha afectado e influido directamente el comportamiento de los usuarios de Transporte Público al interior del área regulada por la Resolución Exenta N° 1745 del año 2019 del Ministerio de Transportes y Telecomunicaciones, lo que hace necesario adaptar el programa operacional de los servicios de transporte público, con el fin de mejorar la experiencia de viajes de los usuarios.

5. Que, mediante la declaración pública entregada por el Ministro de Salud, donde informo que a partir del día 13 de Octubre las comunas de Valparaíso y Viña del Mar avanzaron al paso 2, de las Etapas del Plan "Paso a Paso". Lo que provocó un aumento la movilidad de las personas específicamente en los días laborales, lo cual requiere aumentar las frecuencias actuales con las que presta servicio la Empresa Sociedad de Transporte Sol y Mar S.A. UN 03.

**RESUELVO:**

**1. ESTABLÉCESE**, para la Unidad de Negocio UN 03, inscrita bajo el folio N° 401003 del Registro Nacional de Transporte Público de Pasajeros, el programa operacional transitorio de la Estacionalidad Normal el cual tendrá vigencia desde el 01 de Noviembre de 2020 hasta el 31 de Diciembre de 2020, quedando de la siguiente forma:

**A. DE LOS TRAZADOS**

**- Servicio 301**

**- Ida**

| DETALLE DE TRAZADO |                       |               |
|--------------------|-----------------------|---------------|
| Nro                | CALLE                 | COMUNA        |
| 1                  | NUEVA HIPODROMO       | VILLA ALEMANA |
| 2                  | BERNARDO LEIGHTON     | VILLA ALEMANA |
| 3                  | MANUEL MONTT          | VILLA ALEMANA |
| 4                  | VICTORIA              | VILLA ALEMANA |
| 5                  | IGNACIO CARRERA PINTO | VILLA ALEMANA |
| 6                  | MADRID                | VILLA ALEMANA |
| 7                  | CONTRERAS             | VILLA ALEMANA |
| 8                  | LAS AMERICAS          | VILLA ALEMANA |
| 9                  | FABRES                | VILLA ALEMANA |
| 10                 | UNION                 | QUILPUÉ       |
| 11                 | FRUTILLAR             | QUILPUÉ       |
| 12                 | EL BELLOTO            | QUILPUÉ       |
| 13                 | AVIADOR ACEBEDO       | QUILPUÉ       |
| 14                 | BADEN POWEL           | QUILPUÉ       |
| 15                 | AV. FREIRE            | QUILPUÉ       |
| 16                 | AV. DIEGO PORTALES    | QUILPUÉ       |
| 17                 | AV. LOS CARRERA       | QUILPUÉ       |
| 18                 | TRONCAL               | QUILPUÉ       |
| 19                 | AV. 1 NORTE           | VIÑA DEL MAR  |
| 20                 | LIBERTAD              | VIÑA DEL MAR  |
| 21                 | NUEVA LIBERTAD        | VIÑA DEL MAR  |
| 22                 | 18 NORTE              | VIÑA DEL MAR  |
| 23                 | AV. JORGE MONTT       | VIÑA DEL MAR  |
| 24                 | AV. BORGOÑO           | VIÑA DEL MAR  |
| 25                 | VICUÑA MACKENNA       | VIÑA DEL MAR  |
| 26                 | A. PINTO              | VIÑA DEL MAR  |
| 27                 | AV. LOS SARGAZOS      | VIÑA DEL MAR  |
| 28                 | AV. JARDIN DEL MAR    | VIÑA DEL MAR  |
| 29                 | EKLONIA               | VIÑA DEL MAR  |
| 30                 | AV. LOS SARGAZOS      | VIÑA DEL MAR  |
| 31                 | ANTOFAGASTA           | VIÑA DEL MAR  |
| 32                 | ALEJANDRO NAVARRETE   | VIÑA DEL MAR  |

- Regreso

| DETALLE DE TRAZADO |                              |               |
|--------------------|------------------------------|---------------|
| Nro                | CALLE                        | COMUNA        |
| 1                  | ALEJANDRO NAVARRETE          | VIÑA DEL MAR  |
| 2                  | ANTOFAGASTA                  | VIÑA DEL MAR  |
| 3                  | AV. LOS SARGAZOS             | VIÑA DEL MAR  |
| 4                  | EKLONIA                      | VIÑA DEL MAR  |
| 5                  | AV. JARDIN DEL MAR           | VIÑA DEL MAR  |
| 6                  | AV. JARDIN DEL MAR           | VIÑA DEL MAR  |
| 7                  | AV. LOS SARGAZOS             | VIÑA DEL MAR  |
| 8                  | A. PINTO                     | VIÑA DEL MAR  |
| 9                  | VICUÑA MACKENNA              | VIÑA DEL MAR  |
| 10                 | AV. BORGOÑO                  | VIÑA DEL MAR  |
| 11                 | AV. IGNACIO CARRERA PINTO    | VIÑA DEL MAR  |
| 12                 | AV. BORGOÑO                  | VIÑA DEL MAR  |
| 13                 | AV. JORGE MONTT              | VIÑA DEL MAR  |
| 14                 | AV. BENIDORM                 | VIÑA DEL MAR  |
| 15                 | LIBERTAD                     | VIÑA DEL MAR  |
| 16                 | PUENTE LIBERTAD              | VIÑA DEL MAR  |
| 17                 | PLAZA LATORRE                | VIÑA DEL MAR  |
| 18                 | PLAZA JOSE FRANCISCO VERGARA | VIÑA DEL MAR  |
| 19                 | AV. VALPARAISO               | VIÑA DEL MAR  |
| 20                 | CANCHA                       | VIÑA DEL MAR  |
| 21                 | AV. 1 NORTE                  | VIÑA DEL MAR  |
| 22                 | TRONCAL                      | VIÑA DEL MAR  |
| 23                 | AV. LOS CARRERA              | QUILPUÉ       |
| 24                 | AV. FREIRE                   | QUILPUÉ       |
| 25                 | BADEN POWEL                  | QUILPUÉ       |
| 26                 | AVIADOR ACEVEDO              | QUILPUÉ       |
| 27                 | EL BELLOTO                   | QUILPUÉ       |
| 28                 | FRUTILLAR                    | QUILPUÉ       |
| 29                 | UNION                        | QUILPUÉ       |
| 30                 | FABRES                       | VILLA ALEMANA |
| 31                 | LAS AMERICA                  | VILLA ALEMANA |
| 32                 | CONTRERAS                    | VILLA ALEMANA |
| 33                 | MADRID                       | VILLA ALEMANA |
| 34                 | IGNACIO CARRERA PINTO        | VILLA ALEMANA |
| 35                 | VICTORIA                     | VILLA ALEMANA |
| 36                 | MANUEL MONTT                 | VILLA ALEMANA |
| 37                 | BERNARDO LEIGHTON            | VILLA ALEMANA |
| 38                 | NUEVA HIPODROMO              | VILLA ALEMANA |

**- Servicio 302**

**- Ida**

| <b>DETALLE DE TRAZADO</b> |                     |               |
|---------------------------|---------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>        | <b>COMUNA</b> |
| 1                         | LAS ACACIAS         | VILLA ALEMANA |
| 2                         | EL RINCON           | VILLA ALEMANA |
| 3                         | MANUEL MONTT        | VILLA ALEMANA |
| 4                         | BAQUEDANO           | VILLA ALEMANA |
| 5                         | AV. VALPARAISO      | VILLA ALEMANA |
| 6                         | MATURANA            | VILLA ALEMANA |
| 7                         | AV. MARGA MARGA     | VILLA ALEMANA |
| 8                         | TRANQUE RECREO      | QUILPUÉ       |
| 9                         | AV. MARGA MARGA     | QUILPUÉ       |
| 10                        | QUINTERO            | QUILPUÉ       |
| 11                        | OVALLE              | QUILPUÉ       |
| 12                        | DEL ALHELI          | QUILPUÉ       |
| 13                        | ANTIGUO MARGA MARGA | QUILPUÉ       |
| 14                        | ESMERALDA           | QUILPUÉ       |
| 15                        | SAN MARTIN          | QUILPUÉ       |
| 16                        | AV. FREIRE          | QUILPUÉ       |
| 18                        | AV. LOS CARRERA     | QUILPUÉ       |
| 19                        | TRONCAL             | QUILPUÉ       |
| 20                        | AV. 1 NORTE         | VIÑA DEL MAR  |
| 21                        | AV. LIBERTAD        | VIÑA DEL MAR  |
| 22                        | NUEVA LIBERTAD      | VIÑA DEL MAR  |
| 23                        | 18 NORTE            | VIÑA DEL MAR  |
| 24                        | AV. JORGE MONTT     | VIÑA DEL MAR  |
| 25                        | AV. BORGÑO          | CONCÓN        |
| 26                        | ROTONDA CONCON      | CONCÓN        |

**- Regreso**

| <b>DETALLE DE TRAZADO</b> |                           |               |
|---------------------------|---------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>              | <b>COMUNA</b> |
| 1                         | ROTONDA CONCON            | CONCÓN        |
| 2                         | AV. MAROTO                | CONCÓN        |
| 3                         | CALLE SIETE               | CONCÓN        |
| 4                         | CLARENCIA                 | CONCÓN        |
| 5                         | AV. MAGALLANES            | CONCÓN        |
| 6                         | JOSE YAÑEZ                | CONCÓN        |
| 7                         | LOS DIAMANTES             | CONCÓN        |
| 8                         | CENTRAL                   | CONCÓN        |
| 9                         | LAS ROSAS PONIENTE        | CONCÓN        |
| 10                        | SEGUNDA TRANSVERSAL       | CONCÓN        |
| 11                        | AV. CONCON REÑACA         | CONCÓN        |
| 12                        | EDMUNDO ELUCHANS          | CONCÓN        |
| 13                        | SANTA LUISA               | VIÑA DEL MAR  |
| 14                        | BELLAVISTA                | VIÑA DEL MAR  |
| 15                        | AV. BORGÑO                | VIÑA DEL MAR  |
| 16                        | AV. IGNACIO CARRERA PINTO | VIÑA DEL MAR  |
| 17                        | AV. BORGÑO                | VIÑA DEL MAR  |
| 18                        | AV. JORGE MONTT           | VIÑA DEL MAR  |
| 19                        | AV. BENIDORM              | VIÑA DEL MAR  |
| 20                        | SAN ANTONIO               | VIÑA DEL MAR  |
| 21                        | QUILLOTA                  | VIÑA DEL MAR  |
| 22                        | AV. 1 NORTE               | VIÑA DEL MAR  |
| 23                        | TRONCAL                   | QUILPUÉ       |
| 24                        | AV. LOS CARRERA           | QUILPUÉ       |
| 25                        | AV. FREIRE                | QUILPUÉ       |
| 26                        | AV. VALPARAISO            | VILLA ALEMANA |
| 27                        | BAQUEDANO                 | VILLA ALEMANA |
| 28                        | MANUEL MONTT              | VILLA ALEMANA |
| 29                        | BERNARDO LEIGHTON         | VILLA ALEMANA |
| 30                        | LAS ACACIAS               | VILLA ALEMANA |

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**- Ida**

| <b>DETALLE DE TRAZADO</b> |                     |               |
|---------------------------|---------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>        | <b>COMUNA</b> |
| 1                         | LAS ACACIAS         | VILLA ALEMANA |
| 2                         | BERNARDO LEIGHTON   | VILLA ALEMANA |
| 3                         | MANUEL MONTT        | VILLA ALEMANA |
| 4                         | BAQUEDANO           | VILLA ALEMANA |
| 5                         | AV. VALPARAISO      | VILLA ALEMANA |
| 6                         | AV. FREIRE          | QUILPUÉ       |
| 7                         | AV. DIEGO PORTALES  | QUILPUÉ       |
| 8                         | AV. LOS CARRERA     | QUILPUÉ       |
| 9                         | TRONCAL             | QUILPUÉ       |
| 10                        | AV. 1 NORTE         | VIÑA DEL MAR  |
| 11                        | 5 ORIENTE           | VIÑA DEL MAR  |
| 12                        | 6 ORIENTE           | VIÑA DEL MAR  |
| 13                        | AV. BENIDORM        | VIÑA DEL MAR  |
| 14                        | NUEVA LIBERTAD      | VIÑA DEL MAR  |
| 15                        | 18 NORTE            | VIÑA DEL MAR  |
| 16                        | AV. JORGE MONTT     | VIÑA DEL MAR  |
| 17                        | AV. BORGOÑO         | CONCÓN        |
| 18                        | ANGAMOS             | CONCÓN        |
| 19                        | EDMUNDO ELUCHANS    | CONCÓN        |
| 20                        | AV. CONCON REÑACA   | CONCÓN        |
| 21                        | SEGUNDA TRANSVERSAL | CONCÓN        |
| 22                        | LAS ROSAS PONIENTE  | CONCÓN        |
| 23                        | AV. CENTRAL         | CONCÓN        |
| 24                        | LAS ROSAS ORIENTE   | CONCÓN        |
| 25                        | PRIMERA TRANSVERSAL | CONCÓN        |
| 26                        | CALLE 1             | CONCÓN        |
| 27                        | AV. MAGALLANES      | CONCÓN        |
| 28                        | CLARENCIA           | CONCÓN        |
| 29                        | CALLE SIETE         | CONCÓN        |
| 30                        | SAN AGUSTIN         | CONCÓN        |
| 31                        | RUTA F-30-E         | CONCÓN        |
| 32                        | ROTONDA CONCON      | CONCÓN        |

**- Regreso**

| <b>DETALLE DE TRAZADO</b> |                              |               |
|---------------------------|------------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>                 | <b>COMUNA</b> |
| 1                         | ROTONDA CONCON               | CONCÓN        |
| 2                         | AV. BORGÑO                   | CONCÓN        |
| 3                         | AV. IGNACIO CARRERA PINTO    | CONCÓN        |
| 4                         | AV. BORGÑO                   | CONCÓN        |
| 5                         | AV. JORGE MONTT              | VIÑA DEL MAR  |
| 6                         | AV. BENIDORM                 | VIÑA DEL MAR  |
| 7                         | AV. LIBERTAD                 | VIÑA DEL MAR  |
| 8                         | PUENTE LIBERTAD              | VIÑA DEL MAR  |
| 9                         | PLAZA LATORRE                | VIÑA DEL MAR  |
| 10                        | PLAZA JOSE FRANCISCO VERGARA | VIÑA DEL MAR  |
| 11                        | AV. VALPARAISO               | VIÑA DEL MAR  |
| 12                        | CANCHA                       | VIÑA DEL MAR  |
| 13                        | PUENTE ALONSO DE RIVEROS     | VIÑA DEL MAR  |
| 14                        | AV. 1 NORTE                  | VIÑA DEL MAR  |
| 15                        | TRONCAL                      | QUILPUÉ       |
| 16                        | AV. LOS CARRERA              | QUILPUÉ       |
| 19                        | SAN MARTIN                   | QUILPUÉ       |
| 20                        | BUENOS AIRES                 | QUILPUÉ       |
| 21                        | MARGA MARGA                  | QUILPUÉ       |
| 22                        | DR. SALAS                    | QUILPUÉ       |
| 23                        | LAS MARIAS                   | QUILPUÉ       |
| 24                        | GONZALEZ VIDELA              | QUILPUÉ       |
| 25                        | MARGA MARGA                  | QUILPUÉ       |
| 26                        | TRANQUE RECREO               | QUILPUÉ       |
| 27                        | MARGA MARGA                  | VILLA ALEMANA |
| 28                        | MATURANA                     | VILLA ALEMANA |
| 29                        | LOURDES                      | VILLA ALEMANA |
| 30                        | SANTA MARGARITA              | VILLA ALEMANA |
| 31                        | SAN ENRIQUE                  | VILLA ALEMANA |
| 32                        | AV. VALPARAISO               | VILLA ALEMANA |
| 33                        | BAQUEDANO                    | VILLA ALEMANA |
| 34                        | MANUEL MONTT                 | VILLA ALEMANA |
| 35                        | EL RINCON                    | VILLA ALEMANA |
| 36                        | LAS ACACIAS                  | VILLA ALEMANA |



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**- Ida**

| <b>DETALLE DE TRAZADO</b> |                         |               |
|---------------------------|-------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>            | <b>COMUNA</b> |
| 1                         | IGNACIO CARRERA PINTO   | VILLA ALEMANA |
| 2                         | FEDERICO ERRAZURIZ      | VILLA ALEMANA |
| 3                         | CIEN AGUILAS            | VILLA ALEMANA |
| 4                         | VICTORIA                | VILLA ALEMANA |
| 5                         | MANUEL MONTT            | VILLA ALEMANA |
| 6                         | BAQUEDANO               | VILLA ALEMANA |
| 7                         | AV. VALPARAISO          | VILLA ALEMANA |
| 8                         | AV. FREIRE              | QUILPUÉ       |
| 9                         | AV. DIEGO PORTALES      | QUILPUÉ       |
| 10                        | AV. LOS CARRERA         | QUILPUÉ       |
| 11                        | TRONCAL                 | QUILPUÉ       |
| 12                        | AV. 1 NORTE             | VIÑA DEL MAR  |
| 13                        | 5 ORIENTE               | VIÑA DEL MAR  |
| 14                        | 6 ORIENTE               | VIÑA DEL MAR  |
| 15                        | AV. BENIDORM            | VIÑA DEL MAR  |
| 16                        | AV. ALESSANDRI          | VIÑA DEL MAR  |
| 17                        | AV. GOMEZ CARREÑO       | VIÑA DEL MAR  |
| 18                        | PACIFICO                | VIÑA DEL MAR  |
| 19                        | DOS PONIENTE            | VIÑA DEL MAR  |
| 20                        | ESCUELA                 | VIÑA DEL MAR  |
| 21                        | JOSE ORREGO             | VIÑA DEL MAR  |
| 22                        | PACIFICO                | VIÑA DEL MAR  |
| 23                        | JOSE ORREGO             | VIÑA DEL MAR  |
| 24                        | AV. GOMEZ CARREÑO       | VIÑA DEL MAR  |
| 25                        | PUNTA ARENAS            | VIÑA DEL MAR  |
| 26                        | AV. ALEJANDRO NAVARRETE | VIÑA DEL MAR  |

**- Regreso**

| <b>DETALLE DE TRAZADO</b> |                         |               |
|---------------------------|-------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>            | <b>COMUNA</b> |
| 1                         | AV. ALEJANDRO NAVARRETE | VIÑA DEL MAR  |
| 2                         | PUNTA ARENAS            | VIÑA DEL MAR  |
| 3                         | AV. GOMEZ CARREÑO       | VIÑA DEL MAR  |
| 4                         | ANTARTICO               | VIÑA DEL MAR  |
| 5                         | 1 SUR                   | VIÑA DEL MAR  |
| 6                         | AV. GOMEZ CARREÑO       | VIÑA DEL MAR  |
| 7                         | JOSE ORREGO             | VIÑA DEL MAR  |
| 8                         | PACIFICO                | VIÑA DEL MAR  |
| 9                         | JOSE ORREGO             | VIÑA DEL MAR  |
| 10                        | ESCUELA                 | VIÑA DEL MAR  |
| 11                        | DOS PONIENTE            | VIÑA DEL MAR  |
| 12                        | PACIFICO                | VIÑA DEL MAR  |
| 13                        | INDICO                  | VIÑA DEL MAR  |
| 14                        | AV. ALESSANDRI          | VIÑA DEL MAR  |
| 15                        | AV. BENIDORM            | VIÑA DEL MAR  |
| 16                        | SAN ANTONIO             | VIÑA DEL MAR  |
| 17                        | QUILLOTA                | VIÑA DEL MAR  |
| 18                        | AV. 1 NORTE             | VIÑA DEL MAR  |
| 19                        | TRONCAL                 | QUILPUÉ       |
| 20                        | AV. LOS CARRERA         | QUILPUÉ       |
| 21                        | AV. FREIRE              | QUILPUÉ       |
| 22                        | AV. VALPARAISO          | VILLA ALEMANA |
| 23                        | BAQUEDANO               | VILLA ALEMANA |
| 24                        | MANUEL MONTT            | VILLA ALEMANA |
| 25                        | VICTORIA                | VILLA ALEMANA |
| 26                        | CIEN AGUILAS            | VILLA ALEMANA |
| 27                        | FEDERICO ERRAZURIZ      | VILLA ALEMANA |
| 28                        | IGNACIO CARRERA PINTO   | VILLA ALEMANA |

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**- Ida**

| <b>DETALLE DE TRAZADO</b> |                         |               |
|---------------------------|-------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>            | <b>COMUNA</b> |
| 1                         | SAN JORGE               | VILLA ALEMANA |
| 2                         | BAQUEDANO               | VILLA ALEMANA |
| 3                         | AV. VALPARAISO          | VILLA ALEMANA |
| 4                         | AV. FREIRE              | QUILPUÉ       |
| 5                         | AV. DIEGO PORTALES      | QUILPUÉ       |
| 6                         | AV. LOS CARRERA         | QUILPUÉ       |
| 7                         | TRONCAL                 | QUILPUÉ       |
| 8                         | AV. TAMARUGAL           | VIÑA DEL MAR  |
| 9                         | MILLARAY                | VIÑA DEL MAR  |
| 10                        | PABLO NERUDA            | VIÑA DEL MAR  |
| 11                        | A. DHALMAR              | VIÑA DEL MAR  |
| 12                        | GABRIELA MISTRAL        | VIÑA DEL MAR  |
| 13                        | LUIS HURTADO            | VIÑA DEL MAR  |
| 14                        | PABLO DE ROCKA          | VIÑA DEL MAR  |
| 15                        | CARLOS IBAÑEZ DEL CAMPO | VIÑA DEL MAR  |
| 16                        | ROTONDA SANTA JULIA     | VIÑA DEL MAR  |
| 17                        | RUTA 60 CH              | CONCÓN        |
| 18                        | RUTA F-30-E             | CONCÓN        |
| 19                        | ROTONDA CONCON          | CONCÓN        |
| 21                        | RUTA F-32               | CONCÓN        |
| 23                        | PUENTE COLMO            | CONCÓN        |

- Regreso

| DETALLE DE TRAZADO |                         |               |
|--------------------|-------------------------|---------------|
| Nro                | CALLE                   | COMUNA        |
| 1                  | PUENTE COLMO            | CONCÓN        |
| 2                  | RUTA F 32               | CONCÓN        |
| 3                  | ROTONDA CONCON          | CONCÓN        |
| 4                  | RUTA 60 CH              | CONCÓN        |
| 5                  | RUTA F-30-E             | CONCÓN        |
| 6                  | ROTONDA SANTA JULIA     | VIÑA DEL MAR  |
| 7                  | AV. ALESSANDRI          | VIÑA DEL MAR  |
| 8                  | RETORNO AV. ALESSANDRI  | VIÑA DEL MAR  |
| 9                  | AV. ALESSANDRI          | VIÑA DEL MAR  |
| 10                 | ROTONDA SANTA JULIA     | VIÑA DEL MAR  |
| 11                 | CARLOS IBAÑEZ DEL CAMPO | VIÑA DEL MAR  |
| 12                 | PABLO DE ROCKA          | VIÑA DEL MAR  |
| 13                 | LUIS HURTADO            | VIÑA DEL MAR  |
| 14                 | GABRIELA MISTRAL        | VIÑA DEL MAR  |
| 15                 | A. DHALMAR              | VIÑA DEL MAR  |
| 16                 | PABLO NERUDA            | VIÑA DEL MAR  |
| 17                 | MILLARAY                | VIÑA DEL MAR  |
| 18                 | EL TAMARUGAL            | VIÑA DEL MAR  |
| 19                 | TRONCAL                 | QUILPUÉ       |
| 20                 | AV. LOS CARRERA         | QUILPUÉ       |
| 21                 | AV. FREIRE              | QUILPUÉ       |
| 22                 | AV. VALPARAISO          | VILLA ALEMANA |
| 23                 | BAQUEDANO               | VILLA ALEMANA |
| 24                 | MANUEL MONTT            | VILLA ALEMANA |
| 25                 | CAUPOLICAN              | VILLA ALEMANA |
| 26                 | LAUTARO                 | VILLA ALEMANA |
| 27                 | BAQUEDANO               | VILLA ALEMANA |
| 28                 | SANTA ELENA             | VILLA ALEMANA |
| 29                 | COLO COLO               | VILLA ALEMANA |
| 30                 | SAN JORGE               | VILLA ALEMANA |

- Servicio 306

- Ida

| DETALLE DE TRAZADO |                         |               |
|--------------------|-------------------------|---------------|
| Nro                | CALLE                   | COMUNA        |
| 1                  | SAN JORGE               | VILLA ALEMANA |
| 2                  | BAQUEDANO               | VILLA ALEMANA |
| 3                  | AV. VALPARAISO          | VILLA ALEMANA |
| 4                  | AV. FREIRE              | QUILPUÉ       |
| 5                  | AV. DIEGO PORTALES      | QUILPUÉ       |
| 6                  | AV. LOS CARRERA         | QUILPUÉ       |
| 7                  | TRONCAL                 | QUILPUÉ       |
| 8                  | AV. TAMARUGAL           | VIÑA DEL MAR  |
| 9                  | MILLARAY                | VIÑA DEL MAR  |
| 10                 | PABLO NERUDA            | VIÑA DEL MAR  |
| 11                 | AUGUSTO DHALMAR         | VIÑA DEL MAR  |
| 12                 | GABRIELA MISTRAL        | VIÑA DEL MAR  |
| 13                 | LUIS HURTADO            | VIÑA DEL MAR  |
| 14                 | PABLO DE ROCKA          | VIÑA DEL MAR  |
| 15                 | CARLOS IBAÑEZ DEL CAMPO | VIÑA DEL MAR  |
| 16                 | ROTONDA SANTA JULIA     | VIÑA DEL MAR  |
| 17                 | AV. ALESSANDRI          | VIÑA DEL MAR  |
| 18                 | AV. GOMEZ CARREÑO       | VIÑA DEL MAR  |
| 19                 | PUNTA ARENAS            | VIÑA DEL MAR  |
| 20                 | AV. ALEJANDRO NAVARRETE | VIÑA DEL MAR  |

**- Regreso**

| <b>DETALLE DE TRAZADO</b> |                            |               |
|---------------------------|----------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>               | <b>COMUNA</b> |
| 1                         | AV. ALEJANDRO NAVARRETE    | VIÑA DEL MAR  |
| 2                         | PUNTA ARENAS               | VIÑA DEL MAR  |
| 3                         | ANTARTICO                  | VIÑA DEL MAR  |
| 4                         | 1 SUR                      | VIÑA DEL MAR  |
| 5                         | AV. GOMEZ CARREÑO          | VIÑA DEL MAR  |
| 6                         | ATLANTICO                  | VIÑA DEL MAR  |
| 7                         | AV. GOMEZ CARREÑO          | VIÑA DEL MAR  |
| 8                         | AV. ALESSANDRI             | VIÑA DEL MAR  |
| 9                         | RETORNO AVENIDA ALESSANDRI | VIÑA DEL MAR  |
| 10                        | AV. ALESSANDRI             | VIÑA DEL MAR  |
| 11                        | ROTONDA SANTA JULIA        | VIÑA DEL MAR  |
| 12                        | CARLOS IBAÑEZ DEL CAMPO    | VIÑA DEL MAR  |
| 13                        | PABLO DE ROCKA             | VIÑA DEL MAR  |
| 14                        | LUIS HURTADO               | VIÑA DEL MAR  |
| 15                        | GABRIELA MISTRAL           | VIÑA DEL MAR  |
| 16                        | AUGUSTO DHALMAR            | VIÑA DEL MAR  |
| 17                        | PABLO NERUDA               | VIÑA DEL MAR  |
| 18                        | MILLARAY                   | VIÑA DEL MAR  |
| 19                        | EL TAMARUGAL               | VIÑA DEL MAR  |
| 20                        | TRONCAL                    | QUILPUÉ       |
| 21                        | AV. LOS CARRERA            | QUILPUÉ       |
| 22                        | AV. FREIRE                 | QUILPUÉ       |
| 23                        | AV. VALPARAISO             | VILLA ALEMANA |
| 24                        | BAQUEDANO                  | VILLA ALEMANA |
| 25                        | MANUEL MONTT               | VILLA ALEMANA |
| 26                        | CAUPOLICAN                 | VILLA ALEMANA |
| 27                        | LAUTARO                    | VILLA ALEMANA |
| 28                        | BAQUEDANO                  | VILLA ALEMANA |
| 29                        | SANTA ELENA                | VILLA ALEMANA |
| 30                        | COLO COLO                  | VILLA ALEMANA |
| 31                        | SAN JORGE                  | VILLA ALEMANA |

- Servicio 307

- Ida

| DETALLE DE TRAZADO |                      |               |
|--------------------|----------------------|---------------|
| Nro                | CALLE                | COMUNA        |
| 1                  | NUEVA HIPODROMO      | VILLA ALEMANA |
| 2                  | BERNARDO LEIGHTON    | VILLA ALEMANA |
| 3                  | CASTELLON            | VILLA ALEMANA |
| 4                  | PAUL HARRIS          | VILLA ALEMANA |
| 5                  | LAS PALMAS           | VILLA ALEMANA |
| 6                  | LOURDES              | VILLA ALEMANA |
| 7                  | SAN ENRIQUE          | VILLA ALEMANA |
| 8                  | YUNGAY               | VILLA ALEMANA |
| 9                  | PORVENIR             | VILLA ALEMANA |
| 10                 | TRONCOS VIEJOS       | VILLA ALEMANA |
| 11                 | TIERRAS ROJAS        | QUILPUÉ       |
| 12                 | SERENA               | QUILPUÉ       |
| 13                 | AV. FREIRE           | QUILPUÉ       |
| 14                 | AV. DIEGO PORTALES   | QUILPUÉ       |
| 15                 | AV. LOS CARRERA      | QUILPUÉ       |
| 16                 | TRONCAL              | VIÑA DEL MAR  |
| 17                 | AV. 1 NORTE          | VIÑA DEL MAR  |
| 18                 | AV. LIBERTAD         | VIÑA DEL MAR  |
| 19                 | NUEVA LIBERTAD       | VIÑA DEL MAR  |
| 20                 | 18 NORTE             | VIÑA DEL MAR  |
| 21                 | JORGE MONTT          | VIÑA DEL MAR  |
| 22                 | AV. BORGOÑO          | VIÑA DEL MAR  |
| 23                 | ANGAMOS              | VIÑA DEL MAR  |
| 24                 | AV. EDMUNDO ELUCHANS | VIÑA DEL MAR  |
| 25                 | AV. CONCON REÑACA    | CONCÓN        |
| 26                 | AV. MANANTIALES      | CONCÓN        |
| 27                 | AV. MAGALLANES       | CONCÓN        |
| 28                 | CLARENCIA            | CONCÓN        |
| 29                 | CALLE 7              | CONCÓN        |
| 30                 | AV. MAROTO           | CONCÓN        |
| 31                 | ROTONDA CONCON       | CONCÓN        |

**- Regreso**

| <b>DETALLE DE TRAZADO</b> |                              |               |
|---------------------------|------------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>                 | <b>COMUNA</b> |
| 1                         | ROTONDA CONCON               | CONCÓN        |
| 2                         | AV. MAROTTO                  | CONCÓN        |
| 3                         | CALLE 7                      | CONCÓN        |
| 4                         | CLARENCIA                    | CONCÓN        |
| 5                         | AV. MAGALLANES               | CONCÓN        |
| 6                         | AV. MANANTIALES              | CONCÓN        |
| 7                         | AV. CONCON REÑACA            | CONCÓN        |
| 8                         | AV. EDMUNDO ELUCHANS         | CONCÓN        |
| 9                         | SANTA LUISA                  | CONCÓN        |
| 10                        | BELLAVISTA                   | CONCÓN        |
| 11                        | AV. BORGOÑO                  | CONCÓN        |
| 12                        | AV. IGNACIO CARRERA PINTO    | CONCÓN        |
| 13                        | AV. BORGOÑO                  | VIÑA DEL MAR  |
| 14                        | JORGE MONTT                  | VIÑA DEL MAR  |
| 15                        | AV. BENIDORM                 | VIÑA DEL MAR  |
| 16                        | AV. LIBERTAD                 | VIÑA DEL MAR  |
| 17                        | PUENTE LIBERTAD              | VIÑA DEL MAR  |
| 18                        | PLAZA LATORRE                | VIÑA DEL MAR  |
| 19                        | PLAZA JOSE FRANCISCO VERGARA | VIÑA DEL MAR  |
| 20                        | AV. VALPARAISO               | VIÑA DEL MAR  |
| 21                        | CANCHA                       | VIÑA DEL MAR  |
| 22                        | PUENTE ALONSO DE RIVEROS     | VIÑA DEL MAR  |
| 23                        | AV. 1 NORTE                  | VIÑA DEL MAR  |
| 24                        | TRONCAL                      | QUILPUÉ       |
| 25                        | AV. LOS CARRERA              | QUILPUÉ       |
| 26                        | AV. FREIRE                   | QUILPUÉ       |
| 27                        | SERENA                       | QUILPUÉ       |
| 28                        | TIERRAS ROJAS                | QUILPUÉ       |
| 29                        | TRONCOS VIEJOS               | VILLA ALEMANA |
| 30                        | PORVENIR                     | VILLA ALEMANA |
| 31                        | YUNGAY                       | VILLA ALEMANA |
| 32                        | SAN ENRIQUE                  | VILLA ALEMANA |
| 33                        | LOURDES                      | VILLA ALEMANA |
| 34                        | LAS PALMAS                   | VILLA ALEMANA |
| 35                        | PAUL HARRIS                  | VILLA ALEMANA |
| 36                        | CASTELLON                    | VILLA ALEMANA |
| 37                        | BERNARDO LEIGHTON            | VILLA ALEMANA |
| 38                        | NUEVA HIPODROMO              | VILLA ALEMANA |
| 39                        | NUEVA HIPODROMO              | VILLA ALEMANA |



- Servicio 308

- Ida

| DETALLE DE TRAZADO |                    |               |
|--------------------|--------------------|---------------|
| Nro                | CALLE              | COMUNA        |
| 1                  | SAN JORGE          | VILLA ALEMANA |
| 2                  | FREIRE             | VILLA ALEMANA |
| 3                  | YANCOLEN           | VILLA ALEMANA |
| 4                  | COLO COLO          | VILLA ALEMANA |
| 5                  | SAN CARLOS         | VILLA ALEMANA |
| 6                  | BAQUEDANO          | VILLA ALEMANA |
| 7                  | PARROQUIA          | VILLA ALEMANA |
| 8                  | ANDES              | VILLA ALEMANA |
| 9                  | MORALEDA           | VILLA ALEMANA |
| 10                 | NEW MEMORY         | VILLA ALEMANA |
| 11                 | GOOD BLESS YOU     | VILLA ALEMANA |
| 12                 | MANUEL MONTT       | VILLA ALEMANA |
| 13                 | AV. VALPARAISO     | VILLA ALEMANA |
| 14                 | AV. FREIRE         | QUILPUÉ       |
| 15                 | AV. DIEGO PORTALES | QUILPUÉ       |
| 16                 | AV. LOS CARRERA    | QUILPUÉ       |
| 17                 | TRONCAL            | QUILPUÉ       |
| 18                 | EDUARDO TITUS      | VIÑA DEL MAR  |
| 19                 | CARDENAL SAMORE    | VIÑA DEL MAR  |
| 20                 | SAN CARLOS         | VIÑA DEL MAR  |
| 21                 | LIBERTAD           | VIÑA DEL MAR  |
| 22                 | AV. EDUARDO FREI   | VIÑA DEL MAR  |
| 23                 | BELLAVISTA         | VIÑA DEL MAR  |
| 24                 | AV. LAS REJAS      | VIÑA DEL MAR  |
| 25                 | LUSITANIA          | VIÑA DEL MAR  |
| 26                 | PLAZA MIRAFLORES   | VIÑA DEL MAR  |
| 27                 | AV. 1 NORTE        | VIÑA DEL MAR  |
| 28                 | LIMONARES          | VIÑA DEL MAR  |
| 29                 | PRINCIPAL          | VIÑA DEL MAR  |

- Regreso

| DETALLE DE TRAZADO |                   |               |
|--------------------|-------------------|---------------|
| Nro                | CALLE             | COMUNA        |
| 1                  | PRINCIPAL         | VIÑA DEL MAR  |
| 2                  | AV. LOS LIMONARES | VIÑA DEL MAR  |
| 3                  | AV. 1 NORTE       | VIÑA DEL MAR  |
| 4                  | PLAZA MIRAFLORES  | VIÑA DEL MAR  |
| 5                  | LUSITANIA         | VIÑA DEL MAR  |
| 6                  | LAS REJAS         | VIÑA DEL MAR  |
| 7                  | BELLAVISTA        | VIÑA DEL MAR  |
| 8                  | AV. EDUARDO FREI  | VIÑA DEL MAR  |
| 9                  | LIBERTAD          | VIÑA DEL MAR  |
| 10                 | SAN CARLOS        | VIÑA DEL MAR  |
| 11                 | CARDENAL SAMORE   | VIÑA DEL MAR  |
| 12                 | EDUARDO TITUS     | VIÑA DEL MAR  |
| 13                 | TRONCAL           | QUILPUÉ       |
| 14                 | AV. LOS CARRERA   | QUILPUÉ       |
| 15                 | AV. FREIRE        | QUILPUÉ       |
| 16                 | AV. VALPARAISO    | VILLA ALEMANA |
| 17                 | MANUEL MONTT      | VILLA ALEMANA |
| 18                 | GOOD BLESS YOU    | VILLA ALEMANA |
| 19                 | NEW MEMORY        | VILLA ALEMANA |
| 20                 | MORALEDA          | VILLA ALEMANA |
| 21                 | ANDES             | VILLA ALEMANA |
| 22                 | PARROQUIA         | VILLA ALEMANA |
| 23                 | BAQUEDANO         | VILLA ALEMANA |
| 24                 | DOMYKO            | VILLA ALEMANA |
| 25                 | LAS MELIAS        | VILLA ALEMANA |
| 26                 | COLO COLO         | VILLA ALEMANA |
| 27                 | YANCOLEN          | VILLA ALEMANA |
| 28                 | FREIRE            | VILLA ALEMANA |
| 29                 | SAN JORGE         | VILLA ALEMANA |

- Servicio 309

- Ida

| <b>DETALLE DE TRAZADO</b> |                     |               |
|---------------------------|---------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>        | <b>COMUNA</b> |
| 1                         | NUEVA HIPODROMO     | VILLA ALEMANA |
| 2                         | BERNARDO LEIGHTON   | VILLA ALEMANA |
| 3                         | MANUEL MONTT        | VILLA ALEMANA |
| 4                         | BAQUEDANO           | VILLA ALEMANA |
| 5                         | AV. VALPARAISO      | VILLA ALEMANA |
| 6                         | AV. FREIRE          | QUILPUE       |
| 7                         | AV. DIEGO PORTALES  | QUILPUE       |
| 8                         | AV. LOS CARRERA     | QUILPUE       |
| 9                         | TRONCAL             | QUILPUE       |
| 10                        | AV. 1 NORTE         | VIÑA DEL MAR  |
| 11                        | PLAZA MIRAFLORES    | VIÑA DEL MAR  |
| 12                        | AV. 1 NORTE         | VIÑA DEL MAR  |
| 13                        | PUENTE LUSITANIA    | VIÑA DEL MAR  |
| 14                        | LIMACHE             | VIÑA DEL MAR  |
| 15                        | VIANA               | VIÑA DEL MAR  |
| 16                        | SIMON BOLIVAR       | VIÑA DEL MAR  |
| 17                        | ARLEGUI             | VIÑA DEL MAR  |
| 18                        | VON SCHROEDERS      | VIÑA DEL MAR  |
| 19                        | VIANA               | VIÑA DEL MAR  |
| 20                        | AV. AGUA SANTA      | VIÑA DEL MAR  |
| 21                        | VARIANTE AGUA SANTA | VIÑA DEL MAR  |
| 22                        | RUTA 68 CH          | VALPARAISO    |
| 23                        | CENTRAL             | VALPARAISO    |
| 24                        | CARDENAL SAMORE     | VALPARAISO    |
| 25                        | AV. LOMAS DE LA LUZ | VALPARAISO    |
| 26                        | AV. BORDE LAGUNA    | VALPARAISO    |
| 27                        | AV. PARQUE SUR      | VALPARAISO    |
| 28                        | LAS NALCAS          | VALPARAISO    |

- Regreso

| <b>DETALLE DE TRAZADO</b> |                        |               |
|---------------------------|------------------------|---------------|
| <b>Nro</b>                | <b>CALLE</b>           | <b>COMUNA</b> |
| 1                         | AV. UNIVERSIDAD        | VALPARAISO    |
| 2                         | AV. BORDE LAGUNA       | VALPARAISO    |
| 3                         | AV. LOMAS DE LA LUZ    | VALPARAISO    |
| 4                         | CARDENAL SAMORE        | VALPARAISO    |
| 5                         | EL SAUCE               | VALPARAISO    |
| 6                         | DUODECIMA              | VALPARAISO    |
| 7                         | PRIMERA DEL SUR        | VALPARAISO    |
| 8                         | AV. BERNARDO O´HIGGINS | VALPARAISO    |
| 9                         | RUTA 68 CH             | VALPARAISO    |
| 10                        | VARIANTE AGUA SANTA    | VIÑA DEL MAR  |
| 11                        | AV. AGUA SANTA         | VIÑA DEL MAR  |
| 12                        | ALVAREZ                | VIÑA DEL MAR  |
| 13                        | LIMACHE                | VIÑA DEL MAR  |
| 14                        | AV. LUSITANIA          | VIÑA DEL MAR  |
| 15                        | PUENTE LUSITANIA       | VIÑA DEL MAR  |
| 16                        | AV. 1 NORTE            | VIÑA DEL MAR  |
| 17                        | TRONCAL                | QUILPUE       |
| 18                        | AV. LOS CARRERA        | QUILPUE       |
| 19                        | AV. FREIRE             | QUILPUE       |
| 20                        | AV. VALPARAISO         | VILLA ALEMANA |
| 21                        | BAQUEDANO              | VILLA ALEMANA |
| 22                        | MANUEL MONTT           | VILLA ALEMANA |
| 23                        | BERNARDO LEIGHTON      | VILLA ALEMANA |
| 24                        | NUEVA HIPODROMO        | VILLA ALEMANA |

## B. DE LAS FRECUENCIAS

### - Servicio 301

#### - Ida

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 4                     |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 4                     | Alta         | 3                     |                   |                       |
| 8            | 08:00-08:59 | Alta         | 4                     | Alta         | 3                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 14           | 14:00-14:59 | Media        | 2                     | Media        | 2                     | Media             | 2                     |
| 15           | 15:00-15:59 | Media        | 2                     | Media        | 2                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 |              |                       |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>41</b>             |              | <b>24</b>             |                   | <b>20</b>             |

#### - Regreso

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 2                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     | Alta         | 2                     |                   |                       |
| 9            | 09:00-09:59 | Alta         | 3                     | Alta         | 3                     | Alta              | 2                     |
| 10           | 10:00-10:59 | Alta         | 2                     | Alta         | 3                     | Alta              | 2                     |
| 11           | 11:00-11:59 | Alta         | 2                     | Alta         | 2                     | Alta              | 2                     |
| 12           | 12:00-12:59 | Alta         | 2                     | Alta         | 2                     | Alta              | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Alta         | 2                     | Alta              | 2                     |
| 14           | 14:00-14:59 | Alta         | 2                     | Alta         | 2                     | Alta              | 2                     |
| 15           | 15:00-15:59 | Alta         | 2                     | Alta         | 2                     | Alta              | 2                     |
| 16           | 16:00-16:59 | Alta         | 2                     | Alta         | 2                     | Alta              | 2                     |
| 17           | 17:00-17:59 | Alta         | 2                     | Alta         | 2                     | Alta              | 2                     |
| 18           | 18:00-18:59 | Alta         | 3                     | Alta         | 2                     | Alta              | 2                     |
| 19           | 19:00-19:59 | Alta         | 2                     | Alta         | 2                     |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>30</b>             |              | <b>26</b>             |                   | <b>20</b>             |

**- Servicio 302**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 | Alta         | 3                     |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 4                     |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 8            | 08:00-08:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Media        | 2                     | Baja         | 1                     | Baja              | 1                     |
| 14           | 14:00-14:59 | Media        | 2                     | Baja         | 1                     | Baja              | 1                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 18           | 18:00-18:59 |              |                       |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>42</b>             |              | <b>20</b>             |                   | <b>18</b>             |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Media        | 2                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Baja         | 1                     | Baja              | 1                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Baja         | 1                     | Baja              | 1                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 19           | 19:00-19:59 | Media        | 2                     |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>39</b>             |              | <b>20</b>             |                   | <b>18</b>             |

**- Servicio 303**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 | Media        | 2                     |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 3                     |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 8            | 08:00-08:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Baja         | 1                     | Baja              | 1                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Baja         | 1                     | Baja              | 1                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 17           | 17:00-17:59 | Media        | 2                     | Media        | 2                     |                   |                       |
| 18           | 18:00-18:59 |              |                       |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>39</b>             |              | <b>20</b>             |                   | <b>18</b>             |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 3                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 15           | 15:00-15:59 | Media        | 2                     | Baja         | 1                     | Baja              | 1                     |
| 16           | 16:00-16:59 | Media        | 2                     | Baja         | 1                     | Baja              | 1                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 19           | 19:00-19:59 | Media        | 2                     |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>40</b>             |              | <b>20</b>             |                   | <b>18</b>             |

**- Servicio 304**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 | Media        | 2                     |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 7            | 07:00-07:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 8            | 08:00-08:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Baja         | 1                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Baja         | 1                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 2                     | Baja              | 1                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 | Media        | 2                     |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>43</b>             |              | <b>22</b>             |                   | <b>21</b>             |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Media        | 2                     | Baja         | 1                     |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Baja         | 1                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Baja         | 1                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 2                     | Baja              | 1                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 19           | 19:00-19:59 | Media        | 2                     | Media        | 2                     |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>40</b>             |              | <b>23</b>             |                   | <b>19</b>             |



**- Servicio 305**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 4                     | Media        | 2                     |                   |                       |
| 7            | 07:00-07:59 | Alta         | 4                     | Alta         | 3                     | Baja              | 1                     |
| 8            | 08:00-08:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 3                     | Alta         | 3                     | Baja              | 1                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Alta         | 3                     | Baja              | 1                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Alta         | 3                     | Baja              | 1                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Alta         | 3                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Media        | 2                     | Baja              | 1                     |
| 14           | 14:00-14:59 | Media        | 2                     | Media        | 2                     | Media             | 2                     |
| 15           | 15:00-15:59 | Media        | 2                     | Media        | 2                     | Baja              | 1                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Alta         | 3                     | Media             | 2                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Baja              | 1                     |
| 18           | 18:00-18:59 | Media        | 2                     | Media        | 2                     |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>38</b>             |              | <b>32</b>             |                   | <b>15</b>             |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Media        | 2                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 4                     | Media        | 2                     |                   |                       |
| 9            | 09:00-09:59 | Alta         | 4                     | Alta         | 3                     | Baja              | 1                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Alta         | 3                     | Baja              | 1                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Alta         | 3                     | Baja              | 1                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Alta         | 3                     | Baja              | 1                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Alta         | 3                     | Media             | 2                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     | Baja              | 1                     |
| 16           | 16:00-16:59 | Media        | 2                     | Media        | 2                     | Media             | 2                     |
| 17           | 17:00-17:59 | Media        | 2                     | Media        | 2                     | Baja              | 1                     |
| 18           | 18:00-18:59 | Alta         | 3                     | Alta         | 3                     | Media             | 2                     |
| 19           | 19:00-19:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>38</b>             |              | <b>30</b>             |                   | <b>14</b>             |

**- Servicio 306**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 7            | 07:00-07:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 8            | 08:00-08:59 | Alta         | 4                     | Media        | 2                     | Media             | 1                     |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 1                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 1                     | Media             | 1                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 4                     | Alta         | 3                     | Media             | 1                     |
| 17           | 17:00-17:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 | Alta         | 3                     |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>44</b>             |              | <b>23</b>             |                   | <b>16</b>             |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Media        | 2                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 9            | 09:00-09:59 | Alta         | 4                     | Media        | 2                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 4                     | Media        | 2                     | Media             | 1                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 1                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 13           | 13:00-13:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 1                     | Media             | 1                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     | Media             | 2                     |
| 18           | 18:00-18:59 | Alta         | 4                     | Media        | 2                     | Media             | 1                     |
| 19           | 19:00-19:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>41</b>             |              | <b>22</b>             |                   | <b>14</b>             |

**- Servicio 307**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 | Alta         | 5                     |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 6                     | Media        | 3                     |                   |                       |
| 7            | 07:00-07:59 | Alta         | 6                     | Media        | 4                     | Media             | 2                     |
| 8            | 08:00-08:59 | Alta         | 6                     | Media        | 4                     | Media             | 2                     |
| 9            | 09:00-09:59 | Alta         | 6                     | Media        | 3                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 6                     | Media        | 4                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 6                     | Media        | 4                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 5                     | Media        | 3                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 5                     | Media        | 2                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 5                     | Media        | 2                     | Media             | 2                     |
| 15           | 15:00-15:59 | Alta         | 5                     | Media        | 3                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 5                     | Media        | 3                     | Media             | 2                     |
| 17           | 17:00-17:59 | Media        | 4                     | Media        | 3                     | Media             | 2                     |
| 18           | 18:00-18:59 | Media        | 3                     | Media        | 2                     |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>73</b>             |              | <b>40</b>             |                   | <b>22</b>             |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 5                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 6                     | Media        | 2                     |                   |                       |
| 9            | 09:00-09:59 | Alta         | 6                     | Media        | 4                     | Media             | 2                     |
| 10           | 10:00-10:59 | Alta         | 6                     | Media        | 2                     | Media             | 2                     |
| 11           | 11:00-11:59 | Alta         | 6                     | Media        | 3                     | Media             | 2                     |
| 12           | 12:00-12:59 | Alta         | 6                     | Media        | 2                     | Media             | 2                     |
| 13           | 13:00-13:59 | Alta         | 6                     | Media        | 2                     | Media             | 2                     |
| 14           | 14:00-14:59 | Alta         | 5                     | Media        | 3                     | Media             | 2                     |
| 15           | 15:00-15:59 | Alta         | 5                     | Media        | 2                     | Media             | 2                     |
| 16           | 16:00-16:59 | Alta         | 5                     | Media        | 3                     | Media             | 2                     |
| 17           | 17:00-17:59 | Alta         | 5                     | Media        | 3                     | Media             | 2                     |
| 18           | 18:00-18:59 | Media        | 4                     | Media        | 3                     | Media             | 2                     |
| 19           | 19:00-19:59 | Media        | 3                     | Media        | 2                     |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>68</b>             |              | <b>31</b>             |                   | <b>20</b>             |

**- Servicio 308**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 3                     |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 9            | 09:00-09:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 11           | 11:00-11:59 | Media        | 2                     | Media        | 2                     | Media             | 1                     |
| 12           | 12:00-12:59 | Media        | 2                     | Media        | 2                     | Media             | 1                     |
| 13           | 13:00-13:59 | Media        | 2                     | Media        | 2                     | Media             | 1                     |
| 14           | 14:00-14:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 15           | 15:00-15:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 18           | 18:00-18:59 | Alta         | 3                     |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>36</b>             |              | <b>22</b>             |                   | <b>7</b>              |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 |              |                       |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     |              |                       |                   |                       |
| 9            | 09:00-09:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 10           | 10:00-10:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 11           | 11:00-11:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 12           | 12:00-12:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 13           | 13:00-13:59 | Media        | 2                     | Media        | 2                     | Media             | 1                     |
| 14           | 14:00-14:59 | Media        | 2                     | Media        | 2                     | Media             | 1                     |
| 15           | 15:00-15:59 | Media        | 2                     | Media        | 2                     | Media             | 1                     |
| 16           | 16:00-16:59 | Alta         | 3                     | Media        | 2                     | Media             | 1                     |
| 17           | 17:00-17:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 18           | 18:00-18:59 | Alta         | 3                     | Media        | 2                     |                   |                       |
| 19           | 19:00-19:59 | Media        | 2                     |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>32</b>             |              | <b>20</b>             |                   | <b>8</b>              |

**- Servicio 309**

**- Ida**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 | Alta         | 3                     |              |                       |                   |                       |
| 7            | 07:00-07:59 | Alta         | 2                     |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 2                     |              |                       |                   |                       |
| 9            | 09:00-09:59 | Alta         | 2                     |              |                       |                   |                       |
| 10           | 10:00-10:59 | Alta         | 2                     |              |                       |                   |                       |
| 11           | 11:00-11:59 | Alta         | 2                     |              |                       |                   |                       |
| 12           | 12:00-12:59 | Alta         | 2                     |              |                       |                   |                       |
| 13           | 13:00-13:59 | Alta         | 2                     |              |                       |                   |                       |
| 14           | 14:00-14:59 | Baja         | 1                     |              |                       |                   |                       |
| 15           | 15:00-15:59 | Alta         | 2                     |              |                       |                   |                       |
| 16           | 16:00-16:59 | Alta         | 2                     |              |                       |                   |                       |
| 17           | 17:00-17:59 | Alta         | 2                     |              |                       |                   |                       |
| 18           | 18:00-18:59 | Alta         | 2                     |              |                       |                   |                       |
| 19           | 19:00-19:59 |              |                       |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>26</b>             |              | <b>0</b>              |                   | <b>0</b>              |

**- Regreso**

| Periodo      | Horario     | Laboral      |                       | Sábado       |                       | Domingo / Festivo |                       |
|--------------|-------------|--------------|-----------------------|--------------|-----------------------|-------------------|-----------------------|
|              |             | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda | Frecuencia (buses/hr) | Tipo Demanda      | Frecuencia (buses/hr) |
| 0            | 00:00-00:59 |              |                       |              |                       |                   |                       |
| 1            | 01:00-01:59 |              |                       |              |                       |                   |                       |
| 2            | 02:00-02:59 |              |                       |              |                       |                   |                       |
| 3            | 03:00-03:59 |              |                       |              |                       |                   |                       |
| 4            | 04:00-04:59 |              |                       |              |                       |                   |                       |
| 5            | 05:00-05:59 |              |                       |              |                       |                   |                       |
| 6            | 06:00-06:59 |              |                       |              |                       |                   |                       |
| 7            | 07:00-07:59 |              |                       |              |                       |                   |                       |
| 8            | 08:00-08:59 | Alta         | 3                     |              |                       |                   |                       |
| 9            | 09:00-09:59 | Alta         | 2                     |              |                       |                   |                       |
| 10           | 10:00-10:59 | Alta         | 2                     |              |                       |                   |                       |
| 11           | 11:00-11:59 | Alta         | 2                     |              |                       |                   |                       |
| 12           | 12:00-12:59 | Alta         | 2                     |              |                       |                   |                       |
| 13           | 13:00-13:59 | Alta         | 2                     |              |                       |                   |                       |
| 14           | 14:00-14:59 | Alta         | 2                     |              |                       |                   |                       |
| 15           | 15:00-15:59 | Alta         | 2                     |              |                       |                   |                       |
| 16           | 16:00-16:59 | Baja         | 1                     |              |                       |                   |                       |
| 17           | 17:00-17:59 | Alta         | 2                     |              |                       |                   |                       |
| 18           | 18:00-18:59 | Alta         | 2                     |              |                       |                   |                       |
| 19           | 19:00-19:59 | Alta         | 2                     |              |                       |                   |                       |
| 20           | 20:00-20:59 |              |                       |              |                       |                   |                       |
| 21           | 21:00-21:59 |              |                       |              |                       |                   |                       |
| 22           | 22:00-22:59 |              |                       |              |                       |                   |                       |
| 23           | 23:00-23:59 |              |                       |              |                       |                   |                       |
| <b>Total</b> |             |              | <b>24</b>             |              | <b>0</b>              |                   | <b>0</b>              |

2. ESTABLÉCESE, para la Unidad de Negocio UN 03, los puntos de control y sus atributos, quedando de la siguiente forma:

| Unidad de Negocio | Servicio | Sentido | Correlativo Punto de Control | Longitud   | Latitud    | Distancia al origen | Seguimiento | ICR | IP | Ponderador ICR | Punto Urbano | Referencia de Punto de Control |
|-------------------|----------|---------|------------------------------|------------|------------|---------------------|-------------|-----|----|----------------|--------------|--------------------------------|
| UN03              | 301      | 0       | 1                            | -71,356421 | -33,051451 | 195,9415894         | 1           | 1   | 1  | 0,9            | 1            |                                |
| UN03              | 301      | 0       | 2                            | -71,360268 | -33,045908 | 1509,754272         | 1           | 1   | 0  | 0,05           | 1            |                                |
| UN03              | 301      | 0       | 3                            | -71,365461 | -33,044579 | 2189,374512         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 4                            | -71,378069 | -33,039127 | 3830,491943         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 5                            | -71,397637 | -33,039096 | 5948,947754         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 6                            | -71,404588 | -33,031928 | 7425,776855         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 7                            | -71,42078  | -33,043726 | 10759,06152         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 8                            | -71,434501 | -33,043416 | 12090,26074         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 9                            | -71,441774 | -33,046822 | 12877,87695         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 10                           | -71,445697 | -33,047876 | 13316,03027         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 11                           | -71,464284 | -33,042864 | 15179,46484         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 12                           | -71,530544 | -33,032122 | 22325,19727         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 13                           | -71,549261 | -33,022813 | 24424,9375          | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 14                           | -71,548653 | -33,008856 | 26167,68555         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 15                           | -71,547066 | -32,992456 | 28212,78125         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 16                           | -71,536131 | -32,974581 | 31815,64844         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 17                           | -71,529863 | -32,980551 | 33763,23828         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 0       | 18                           | -71,531449 | -32,985167 | 34500,76172         | 1           | 1   | 0  | 0,05           | 1            |                                |
| UN03              | 301      | 1       | 1                            | -71,531412 | -32,985357 | 228,0079041         | 1           | 1   | 0  | 0,9            | 1            |                                |
| UN03              | 301      | 1       | 2                            | -71,529843 | -32,980558 | 976,5446167         | 1           | 1   | 0  | 0,05           | 1            |                                |
| UN03              | 301      | 1       | 3                            | -71,536163 | -32,974584 | 2923,149902         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 4                            | -71,543561 | -32,971032 | 4486,52002          | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 5                            | -71,547235 | -32,992432 | 7423,772949         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 6                            | -71,548896 | -33,008897 | 9438,349609         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 7                            | -71,547217 | -33,02572  | 11764,96289         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 8                            | -71,530522 | -33,032245 | 13636,38965         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 9                            | -71,464276 | -33,042865 | 20791,42578         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 10                           | -71,445758 | -33,047862 | 22648,19922         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 11                           | -71,438042 | -33,048317 | 23372,6582          | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 12                           | -71,42067  | -33,043831 | 25416,52148         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 13                           | -71,40471  | -33,031928 | 28746,02148         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 14                           | -71,397402 | -33,039121 | 30256,375           | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 15                           | -71,378119 | -33,039119 | 32347,94922         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 16                           | -71,365479 | -33,044646 | 34001,44141         | 1           | 0   | 0  | 0              | 1            |                                |
| UN03              | 301      | 1       | 17                           | -71,360315 | -33,04591  | 34669,05078         | 1           | 0   | 0  | 0              | 1            |                                |

|      |     |   |    |            |            |             |   |   |   |      |   |  |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|--|
| UN03 | 301 | 1 | 18 | -71,356429 | -33,051462 | 35981,36719 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 302 | 0 | 1  | -71,342098 | -33,054512 | 429,1426697 | 1 | 1 | 1 | 0,9  | 1 |  |
| UN03 | 302 | 0 | 2  | -71,338273 | -33,053238 | 1056,801758 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 302 | 0 | 3  | -71,35276  | -33,046855 | 2724,895508 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 4  | -71,371942 | -33,044143 | 4755,366699 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 5  | -71,374239 | -33,046964 | 5284,302734 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 6  | -71,432249 | -33,047212 | 18390,92578 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 7  | -71,434536 | -33,043426 | 19323,59375 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 8  | -71,441808 | -33,046855 | 20112,60352 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 9  | -71,445753 | -33,047863 | 20551,33594 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 10 | -71,464284 | -33,042864 | 22409,34375 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 11 | -71,475357 | -33,040057 | 23522,96289 | 1 | 0 | 0 | 0    | 0 |  |
| UN03 | 302 | 0 | 12 | -71,549261 | -33,022813 | 31654,81445 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 13 | -71,548682 | -33,009012 | 33380,05078 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 14 | -71,547066 | -32,992456 | 35442,66406 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 15 | -71,543634 | -32,971245 | 37973,5625  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 16 | -71,552917 | -32,940104 | 41975,73047 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 17 | -71,532374 | -32,930062 | 45516,37891 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 0 | 18 | -71,51085  | -32,920151 | 48515,44141 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 302 | 1 | 1  | -71,514894 | -32,921494 | 720,8258667 | 1 | 1 | 0 | 0,9  | 1 |  |
| UN03 | 302 | 1 | 2  | -71,5174   | -32,928019 | 1618,156494 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 302 | 1 | 3  | -71,518068 | -32,934869 | 2554,859863 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 4  | -71,527008 | -32,934266 | 3742,530762 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 5  | -71,538993 | -32,933934 | 4916,562988 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 6  | -71,546759 | -32,940169 | 6082,219238 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 7  | -71,544419 | -32,957981 | 8089,70752  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 8  | -71,539734 | -32,969849 | 9627,84082  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 9  | -71,545139 | -32,971841 | 10578,62891 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 10 | -71,547235 | -32,992432 | 12983,47852 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 11 | -71,530736 | -33,032099 | 19117,48047 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 12 | -71,470474 | -33,041415 | 25673,59961 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 13 | -71,445758 | -33,047862 | 28155,02344 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 14 | -71,417951 | -33,044706 | 31195,25    | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 15 | -71,372422 | -33,044256 | 35529,02344 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 16 | -71,355728 | -33,044373 | 37201,13281 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 302 | 1 | 17 | -71,352683 | -33,052787 | 38486,72656 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 303 | 0 | 1  | -71,352689 | -33,052784 | 517,2139282 | 1 | 1 | 1 | 0,9  | 1 |  |
| UN03 | 303 | 0 | 2  | -71,353735 | -33,047164 | 1403,36792  | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 303 | 0 | 3  | -71,376892 | -33,044277 | 3906,69751  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 4  | -71,390527 | -33,04563  | 5199,048828 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 5  | -71,421237 | -33,043578 | 8138,933594 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 6  | -71,434536 | -33,043426 | 9427,851563 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 7  | -71,445697 | -33,047876 | 10650,16895 | 1 | 0 | 0 | 0    | 1 |  |
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| UN03 | 303 | 0 | 9  | -71,47022  | -33,041439 | 13115,37695 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 10 | -71,530544 | -33,032122 | 19659,33398 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 11 | -71,544838 | -33,022041 | 21509,59375 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 12 | -71,5462   | -33,008254 | 23403,60352 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 303 | 0 | 13 | -71,547083 | -32,992633 | 25548,73047 | 1 | 0 | 0 | 0    | 1 |  |

|      |     |   |    |            |            |             |   |   |   |      |   |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|
| UN03 | 303 | 0 | 14 | -71,542352 | -32,971644 | 28175,45313 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 303 | 0 | 17 | -71,51866  | -32,933624 | 35643,41406 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 303 | 0 | 18 | -71,514779 | -32,923642 | 37176,75391 | 1 | 1 | 0 | 0,05 | 1 |
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| UN03 | 303 | 1 | 3  | -71,532312 | -32,930026 | 3412,160645 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 303 | 1 | 4  | -71,552918 | -32,940045 | 6953,302246 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 303 | 1 | 5  | -71,547235 | -32,992432 | 13347,10156 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 303 | 1 | 13 | -71,438119 | -33,048311 | 29290,1543  | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 303 | 1 | 15 | -71,379897 | -33,0873   | 37397,96875 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 303 | 1 | 17 | -71,371878 | -33,044224 | 44010       | 1 | 0 | 0 | 0    | 1 |
| UN03 | 303 | 1 | 18 | -71,355728 | -33,044373 | 45631,17188 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 303 | 1 | 19 | -71,338267 | -33,053199 | 47688,69141 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 303 | 1 | 20 | -71,341775 | -33,054561 | 48233,51563 | 1 | 1 | 0 | 0,05 | 1 |
| UN03 | 304 | 0 | 1  | -71,365226 | -33,053041 | 181,506546  | 1 | 1 | 1 | 0,9  | 1 |
| UN03 | 304 | 0 | 2  | -71,360581 | -33,048412 | 1129,498779 | 1 | 1 | 0 | 0,05 | 1 |
| UN03 | 304 | 0 | 3  | -71,355549 | -33,044389 | 2174,634766 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 4  | -71,364041 | -33,043764 | 3084,087646 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 5  | -71,384923 | -33,044485 | 5038,16748  | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 6  | -71,42078  | -33,043726 | 8473,195313 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 7  | -71,434501 | -33,043416 | 9804,394531 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 8  | -71,441697 | -33,046744 | 10580,76172 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 9  | -71,455106 | -33,046813 | 11924,77832 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 10 | -71,464284 | -33,042864 | 12893,59863 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 11 | -71,470571 | -33,041206 | 13537,12109 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 12 | -71,530544 | -33,032122 | 20039,32813 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 13 | -71,544838 | -33,022041 | 21889,58789 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 14 | -71,5424   | -33,013309 | 22885,13672 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 15 | -71,5462   | -33,008254 | 23783,59766 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 16 | -71,513902 | -32,99628  | 28637,05469 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 17 | -71,518266 | -32,993878 | 29490,57617 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 18 | -71,526571 | -32,987222 | 30811,88477 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 19 | -71,529161 | -32,985475 | 31140,14063 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 304 | 0 | 20 | -71,532393 | -32,984976 | 31477,94336 | 1 | 1 | 0 | 0,05 | 1 |
| UN03 | 304 | 1 | 1  | -71,532446 | -32,985159 | 124,5965576 | 1 | 1 | 0 | 0,9  | 1 |
| UN03 | 304 | 1 | 2  | -71,52909  | -32,985502 | 470,0261536 | 1 | 1 | 0 | 0,05 | 1 |
| UN03 | 304 | 1 | 3  | -71,528017 | -32,988229 | 859,8494263 | 1 | 0 | 0 | 0    | 1 |
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|      |     |   |    |            |            |             |   |   |   |      |   |  |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|--|
| UN03 | 304 | 1 | 5  | -71,51387  | -32,996249 | 3078,050293 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 6  | -71,517751 | -33,000537 | 4010,294922 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 7  | -71,544162 | -33,001985 | 7219,450684 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 8  | -71,546103 | -33,008541 | 8092,304199 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 9  | -71,546654 | -33,018615 | 9604,143555 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 10 | -71,530522 | -33,032245 | 12077,37695 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 11 | -71,470562 | -33,041359 | 18597,45898 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 12 | -71,464276 | -33,042865 | 19232,41211 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 13 | -71,455053 | -33,046826 | 20205,63281 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 14 | -71,438042 | -33,048317 | 21813,64453 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 15 | -71,42067  | -33,043831 | 23857,50781 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 16 | -71,384919 | -33,044564 | 27282,60938 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 17 | -71,363972 | -33,043859 | 29242,73633 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 18 | -71,355728 | -33,044373 | 30123,38086 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 19 | -71,360583 | -33,048388 | 31158,54492 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 304 | 1 | 20 | -71,365241 | -33,052709 | 32072,35938 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 305 | 0 | 1  | -71,352418 | -33,040368 | 201,0688782 | 1 | 1 | 1 | 0,9  | 1 |  |
| UN03 | 305 | 0 | 2  | -71,364041 | -33,043764 | 1400,748657 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 305 | 0 | 3  | -71,372484 | -33,044166 | 2191,280029 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 4  | -71,384923 | -33,044485 | 3354,828369 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 5  | -71,400181 | -33,045792 | 4811,100098 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 6  | -71,421422 | -33,043515 | 6854,230469 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 7  | -71,434501 | -33,043416 | 8121,056641 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 8  | -71,441602 | -33,046651 | 8883,817383 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 9  | -71,455106 | -33,046813 | 10241,44043 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 10 | -71,464284 | -33,042864 | 11210,26074 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 11 | -71,470571 | -33,041206 | 11853,78418 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 12 | -71,475357 | -33,040057 | 12323,88184 | 1 | 0 | 0 | 0    | 0 |  |
| UN03 | 305 | 0 | 13 | -71,485267 | -33,035162 | 13447,71875 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 14 | -71,496566 | -33,031635 | 14993,6416  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 15 | -71,4915   | -33,029716 | 15690,38281 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 16 | -71,493298 | -33,021338 | 16897,91016 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 17 | -71,495952 | -33,01901  | 17357,22852 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 18 | -71,500902 | -32,990245 | 22107,94336 | 1 | 0 | 0 | 0    | 0 |  |
| UN03 | 305 | 0 | 19 | -71,510176 | -32,957745 | 26063,64844 | 1 | 0 | 0 | 0    | 0 |  |
| UN03 | 305 | 0 | 20 | -71,506213 | -32,921741 | 30466,31445 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 0 | 21 | -71,442798 | -32,933733 | 36839,46094 | 1 | 1 | 0 | 0,05 | 0 |  |
| UN03 | 305 | 1 | 1  | -71,4386   | -32,931917 | 174,2641144 | 1 | 1 | 0 | 0,9  | 0 |  |
| UN03 | 305 | 1 | 2  | -71,442749 | -32,933736 | 642,4862671 | 1 | 1 | 0 | 0,05 | 0 |  |
| UN03 | 305 | 1 | 3  | -71,49777  | -32,924203 | 6105,477051 | 1 | 0 | 0 | 0    | 0 |  |
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| UN03 | 305 | 1 | 5  | -71,516013 | -33,000522 | 18461,95117 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 1 | 6  | -71,495964 | -33,018975 | 22360,99805 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 1 | 7  | -71,493261 | -33,021333 | 22827,85742 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 1 | 8  | -71,491498 | -33,029732 | 23970,06641 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 1 | 9  | -71,496634 | -33,031654 | 24671,7168  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 1 | 10 | -71,485216 | -33,03562  | 26414,78906 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 305 | 1 | 11 | -71,475365 | -33,040147 | 27536,78125 | 1 | 0 | 0 | 0    | 0 |  |
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|      |     |   |    |            |            |             |   |   |   |      |   |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|
| UN03 | 305 | 1 | 13 | -71,464276 | -33,042865 | 28646,47852 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 305 | 1 | 14 | -71,455053 | -33,046826 | 29619,69922 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 305 | 1 | 16 | -71,421433 | -33,04358  | 33195,05469 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 306 | 0 | 9  | -71,485267 | -33,035162 | 13447,71777 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 306 | 0 | 10 | -71,496566 | -33,031635 | 15023,06152 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 306 | 1 | 4  | -71,51812  | -32,996792 | 2545,133545 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 306 | 1 | 6  | -71,499486 | -33,018312 | 6649,160645 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 306 | 1 | 8  | -71,493261 | -33,021333 | 7567,862305 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 306 | 1 | 11 | -71,485216 | -33,03562  | 11154,79492 | 1 | 0 | 0 | 0    | 1 |
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| UN03 | 307 | 0 | 1  | -71,356842 | -33,052078 | 116,0345078 | 1 | 1 | 1 | 0,9  | 1 |
| UN03 | 307 | 0 | 2  | -71,361449 | -33,063027 | 2022,034668 | 1 | 1 | 0 | 0,05 | 1 |
| UN03 | 307 | 0 | 3  | -71,365339 | -33,061847 | 2536,137207 | 1 | 0 | 0 | 0    | 1 |
| UN03 | 307 | 0 | 4  | -71,388678 | -33,057541 | 5102,65918  | 1 | 0 | 0 | 0    | 1 |

|      |     |   |    |            |            |             |   |   |   |      |   |  |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|--|
| UN03 | 307 | 0 | 5  | -71,395744 | -33,058394 | 5771,848145 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 6  | -71,406268 | -33,055744 | 6953,267578 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 7  | -71,421237 | -33,043578 | 9626,053711 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 8  | -71,434536 | -33,043426 | 10914,9707  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 9  | -71,445753 | -33,047863 | 12142,71387 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 10 | -71,47022  | -33,041439 | 14602,49609 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 11 | -71,530544 | -33,032122 | 21146,45508 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 12 | -71,545915 | -33,023164 | 22931,01172 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 13 | -71,548682 | -33,009012 | 24971,43164 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 14 | -71,547066 | -32,992456 | 27034,03906 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 15 | -71,542352 | -32,971644 | 29641,06836 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 16 | -71,539217 | -32,970284 | 30063,22852 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 17 | -71,544214 | -32,95747  | 31736,83398 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 18 | -71,539183 | -32,934017 | 34829,35156 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 19 | -71,517286 | -32,927855 | 37192,48047 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 0 | 20 | -71,51492  | -32,921494 | 38066,29688 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 307 | 1 | 1  | -71,514894 | -32,921494 | 797,5442505 | 1 | 1 | 0 | 0,9  | 1 |  |
| UN03 | 307 | 1 | 2  | -71,5174   | -32,928019 | 1714,402588 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 307 | 1 | 3  | -71,538993 | -32,933934 | 4020,284424 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 4  | -71,544393 | -32,957521 | 7142,355957 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 5  | -71,539236 | -32,970227 | 8794,929688 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 6  | -71,547246 | -32,99252  | 12097,01367 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 7  | -71,548924 | -33,008996 | 14113,0625  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 8  | -71,54709  | -33,025738 | 16440,42188 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 9  | -71,530442 | -33,0323   | 18306,99414 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 10 | -71,470297 | -33,041535 | 24848,96094 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 11 | -71,445758 | -33,047862 | 27309,16016 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 12 | -71,438119 | -33,048311 | 28026,39648 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 13 | -71,421352 | -33,043606 | 30009,06641 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 14 | -71,406281 | -33,055818 | 32693,25586 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 15 | -71,395743 | -33,058394 | 33866,46875 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 16 | -71,388687 | -33,05767  | 34547,35156 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 17 | -71,365309 | -33,061845 | 37112,67969 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 18 | -71,361527 | -33,063029 | 37616,68359 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 307 | 1 | 19 | -71,357151 | -33,052566 | 39591,30859 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 308 | 0 | 1  | -71,347132 | -33,041731 | 326,0698853 | 1 | 1 | 0 | 0,9  | 1 |  |
| UN03 | 308 | 0 | 2  | -71,350673 | -33,043848 | 1710,397705 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 308 | 0 | 3  | -71,347467 | -33,047421 | 2337,210693 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 4  | -71,353593 | -33,046338 | 3882,528809 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 5  | -71,364041 | -33,043764 | 5075,077148 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 6  | -71,384923 | -33,044485 | 7029,157227 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 7  | -71,400181 | -33,045792 | 8485,429688 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 8  | -71,421422 | -33,043515 | 10528,56055 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 9  | -71,434536 | -33,043426 | 11798,83789 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 10 | -71,441602 | -33,046651 | 12558,14648 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 11 | -71,455106 | -33,046813 | 13915,76953 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 12 | -71,464284 | -33,042864 | 14884,58984 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 13 | -71,470571 | -33,041206 | 15528,11328 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 14 | -71,475357 | -33,040057 | 15998,21094 | 1 | 0 | 0 | 0    | 0 |  |

|      |     |   |    |            |            |             |   |   |   |      |   |  |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|--|
| UN03 | 308 | 0 | 15 | -71,485267 | -33,035162 | 17122,04688 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 16 | -71,50935  | -33,031787 | 20365,26172 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 17 | -71,503201 | -33,028072 | 21314,78125 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 18 | -71,507227 | -33,023302 | 22367,97461 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 19 | -71,521928 | -33,020897 | 23874,74414 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 20 | -71,517676 | -33,027722 | 25096,79883 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 21 | -71,527604 | -33,024309 | 26150,19922 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 22 | -71,53064  | -33,032163 | 27494,50586 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 0 | 23 | -71,519117 | -33,037238 | 28850,5332  | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 308 | 1 | 1  | -71,519114 | -33,037238 | 407,6034241 | 1 | 1 | 0 | 0,9  | 1 |  |
| UN03 | 308 | 1 | 2  | -71,527597 | -33,024311 | 2981,150146 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 308 | 1 | 3  | -71,517683 | -33,02773  | 4032,758301 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 4  | -71,521987 | -33,020954 | 5247,52832  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 5  | -71,507136 | -33,023427 | 6762,023926 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 6  | -71,503163 | -33,028124 | 7809,753906 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 7  | -71,509339 | -33,031778 | 8751,067383 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 8  | -71,485216 | -33,03562  | 12062,66211 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 9  | -71,475365 | -33,040147 | 13184,65723 | 1 | 0 | 0 | 0    | 0 |  |
| UN03 | 308 | 1 | 10 | -71,470562 | -33,041359 | 13659,40137 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 11 | -71,464276 | -33,042865 | 14294,35449 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 12 | -71,455053 | -33,046826 | 15267,57617 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 13 | -71,438042 | -33,048317 | 16875,58984 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 14 | -71,421433 | -33,04358  | 18842,93945 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 15 | -71,400201 | -33,045868 | 20886,23242 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 16 | -71,384919 | -33,044564 | 22344,55469 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 17 | -71,363972 | -33,043859 | 24304,68164 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 18 | -71,355728 | -33,044373 | 25185,32617 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 19 | -71,350677 | -33,043846 | 27664,98438 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 308 | 1 | 20 | -71,346908 | -33,041572 | 29057,35352 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 309 | 0 | 1  | -71,356842 | -33,052078 | 116,0345078 | 1 | 1 | 0 | 0,9  | 1 |  |
| UN03 | 309 | 0 | 2  | -71,353645 | -33,047026 | 751,0402222 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 309 | 0 | 3  | -71,355549 | -33,044389 | 1124,849487 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 4  | -71,372484 | -33,044166 | 2824,83374  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 5  | -71,400181 | -33,045792 | 5444,653809 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 6  | -71,421422 | -33,043515 | 7487,78418  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 7  | -71,434536 | -33,043426 | 8758,0625   | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 8  | -71,455106 | -33,046813 | 10874,99414 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 9  | -71,470571 | -33,041206 | 12487,33789 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 10 | -71,485267 | -33,035162 | 14081,27246 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 11 | -71,540584 | -33,029078 | 20375,7207  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 12 | -71,549596 | -33,024336 | 21690,79102 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 13 | -71,564043 | -33,030794 | 23837,82813 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 14 | -71,57027  | -33,034883 | 24710,73828 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 15 | -71,566002 | -33,112415 | 36704,48828 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 16 | -71,574498 | -33,111754 | 37500,875   | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 17 | -71,570464 | -33,126533 | 39628,46875 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 18 | -71,565462 | -33,131192 | 40329,40625 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 19 | -71,570401 | -33,13609  | 41157,78906 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 0 | 20 | -71,569664 | -33,144783 | 42270,875   | 1 | 1 | 0 | 0,05 | 1 |  |

|      |     |   |    |            |            |             |   |   |   |      |   |  |
|------|-----|---|----|------------|------------|-------------|---|---|---|------|---|--|
| UN03 | 309 | 1 | 1  | -71,569359 | -33,146698 | 187,7369537 | 1 | 1 | 0 | 0,9  | 1 |  |
| UN03 | 309 | 1 | 2  | -71,570294 | -33,136041 | 1516,487061 | 1 | 1 | 0 | 0,05 | 1 |  |
| UN03 | 309 | 1 | 3  | -71,565448 | -33,131213 | 2330,84082  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 4  | -71,570476 | -33,126522 | 3036,107666 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 5  | -71,566134 | -33,113527 | 5783,332031 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 6  | -71,570261 | -33,034888 | 18697,95703 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 7  | -71,564035 | -33,030775 | 19574,10938 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 8  | -71,540641 | -33,029265 | 22380,42188 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 9  | -71,485216 | -33,03562  | 28651,48828 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 10 | -71,470562 | -33,041359 | 30248,22656 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 11 | -71,455053 | -33,046826 | 31856,39844 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 12 | -71,438119 | -33,048311 | 33457,1875  | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 13 | -71,421433 | -33,04358  | 35443,91797 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 14 | -71,400201 | -33,045868 | 37487,21094 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 15 | -71,376818 | -33,044357 | 39703,31641 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 16 | -71,358019 | -33,042721 | 41501,97266 | 1 | 0 | 0 | 0    | 1 |  |
| UN03 | 309 | 1 | 17 | -71,356429 | -33,051462 | 42724,15625 | 1 | 1 | 0 | 0,05 | 1 |  |

**3. ESTABLÉCESE**, para la Unidad de Negocio UN 03, la lista de pasadas programadas, quedando de la siguiente forma:

| UN   | Servicio | Sentido | Correlativo Punto de Control | Intervalo Anterior (IPPdk-1) | Hora de Pasada Programada (TPPdk) | Intervalo Posterior (IPPdk) | Tipo de Día |
|------|----------|---------|------------------------------|------------------------------|-----------------------------------|-----------------------------|-------------|
| UN03 | 301      | 0       | 1                            | 00:30:00                     | 06:33:00                          | 00:15:00                    | DL          |
| UN03 | 302      | 0       | 1                            | 00:15:00                     | 06:08:00                          | 00:15:00                    | DL          |
| UN03 | 303      | 0       | 1                            | 00:20:00                     | 06:23:00                          | 00:20:00                    | DL          |
| UN03 | 304      | 0       | 1                            | 00:20:00                     | 06:45:00                          | 00:15:00                    | DL          |
| UN03 | 305      | 0       | 1                            | 00:15:00                     | 07:20:00                          | 00:15:00                    | DL          |
| UN03 | 307      | 0       | 1                            | 00:10:00                     | 06:33:00                          | 00:10:00                    | DL          |



**4. NOTIFÍQUESE**, vía correo electrónico, la presente Resolución Exenta, a los representantes legales de la Empresa Sociedad de Transportes Sol y Mar S.A. UN 03, Sr. Reinaldo Sánchez Olivares, cédula de identidad N° 6.945.729-0 y al Sr. Hernán Rauter Jorquera, cédula de identidad N° 5.599.852-3, a la casilla solymarsa@gmail.com y al asesor técnico operacional Sr. Luis Sánchez Cruz, cédula de identidad N° 8.643.735-K al correo electrónico asanchez.sc@gmail.com

**5.** El responsable del servicio deberá dar cumplimiento a las condiciones establecidas en la presente Resolución, sin perjuicio del cumplimiento de la normativa vigente y la que se dicte en el futuro en todo cuanto resulte aplicable.

### **ANÓTESE Y NOTIFÍQUESE**

**JOSÉ EMILIO GUZMÁN CEPEDA  
SECRETARIO REGIONAL MINISTERIAL DE  
TRANSPORTES Y TELECOMUNICACIONES  
REGIÓN DE VALPARAÍSO**

- Sr. Representante Legal UN 03 Sociedad de Transportes Sol y Mar S.A
- Sr Asesor Técnico Operacional UN 03 Sociedad de Transportes Sol y Mar S.A
- División de Transporte Público Regional.
- Departamento de Fiscalización Región de Valparaíso.
- Departamento de Registro de la SEREMITT de Valparaíso,
- Correlativo.
- Archivo.



Código: 1603815480064 validar en <https://www.esigner.cl/EsignerValidar/verificar.jsp>

