**CONTRATISTA**
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**MINISTERIO DE OBRAS PÚBLICAS Y COMUNICACIONES**
**COORDINACIÓN DE PROYECTOS DE AGUA POTABLE, SANEAMIENTO Y OBRAS HIDRAULICAS**
**CONTRATO S.G. MINISTRIO Nº 323/2020**

**OBRA: LICITACIÓN PUBLICA NACIONAL FIRMAS CONSTRUCTORAS PARA MEJORAMIENTO DEL ARROYO SOSA DE LA CIUDAD DE LAMBARE - SEGUNDA ETAPA con ID: 370376**

**RESOLUCIÓN MINISTERIAL Nº:** 57/2020
**FECHA DE CONTRATO:** 44.090.00
**MONTO ORIGINAL(CON IVA) :Gs.** 34.997.466.968.00

| Item | Descripción del Bien | Unidad de Medida | CANTIDADES | | | Precio unitario | PRECIO TOTAL | |
|---|---|---|---|---|---|---|---|---|
| | | | Cantidad Contractual | C.M.1 | C.M.2 | C.M.2 | CONTRACTUAL | C.M.2 |
| 1 | Saneamiento ambiental del Arroyo Sosa Tramo 1.1: de Piriná a Carnaloje 160.00 ml | | | | | | | |
| 1.1 | TRABAJOS PRELIMINARES | | | | | | | |
| 1.1.1 | Replanteo y amojonamiento | Unidad Medida Global | 1 | 1.55 | 1.55 | 58.568.308 | 58.568.308 | 90.851.373 |
| 1.1.2 | Limpieza de Terreno Natural y disposición final de basura existente ( 18 meses ) | Unidad Medida Global | 1 | 1.08 | 1.08 | 199.940.086 | 199.940.086 | 215.935.293 |
| 1.1.3 | Destronce y desarraigue | Unidad Medida Global | 1 | 1.08 | 1.08 | 105.019.035 | 105.019.035 | 113.420.558 |
| 1.1.4 | Obrador y Oficina para Fiscalización | Unidad Medida Global | 1 | 1.00 | 1.00 | 77.552.518 | 77.552.518 | 77.552.518 |
| 1.1.5 | Señalización, cartelería y elementos de seguridad vial y ambiental | Unidad Medida Global | 1 | 1.00 | 1.00 | 100.979.841 | 100.979.841 | 100.979.841 |
| 1.1.6 | Instalación Provisoria de Servicios ( Agua Potable, Energía Eléctrica y Desagües ) | Unidad Medida Global | 1 | 1.00 | 1.00 | 72.705.486 | 72.705.486 | 72.705.486 |
| 1.1.7 | Sanitarios Portátiles para el personal | Unidad Medida Global | 1 | 1.00 | 1.00 | 43.623.291 | 43.623.291 | 43.623.291 |
| 1.1.8 | Demolición de muro de PBC. Retiro de los escombros | Unidad Medida Global | 1 | 3.54 | 3.54 | 33.659.947 | 33.659.947 | 119.254.947 |
| 1.1.9 | Demolición de cuarda de hormigón armado (Calle Carnaloje 1, retiro de escombros y limpieza | Unidad Medida Global | 1 | 1.00 | 1.00 | 50.489.921 | 50.489.921 | 50.489.921 |
| 1.1.10 | Relleno y compactación zona del puente en demolición | Unidad Medida Global | 1 | 1.00 | 1.00 | 20.195.968 | 20.195.968 | 20.195.968 |
| 1.1.11 | Pavimento de Hormigón, espesor 20cm | Metros cuadrados | 92 | 92.00 | - | 1.663.251 | 153.019.092 | 153.019.092 |
| 1.1.12 | Letrero de Obra con sus especificaciones del contrato | Unidad Medida Global | 1 | 1.00 | 1.00 | 6.731.989 | 6.731.989 | 6.731.989 |
| 1.2 | Alcantarillas | | | | | | | |
| 1.2.1 | Excavación estructural | Metros cúbicos | 2.390 | 2.390.00 | 2.908.00 | 25.548 | 61.059.720 | 61.059.720 |
| 1.2.2 | Excavación de bolsones | Metros cúbicos | 470 | 470.00 | 470.00 | 25.548 | 12.007.560 | 12.007.560 |
| 1.2.3 | Retiro y disposición final del material | Metros cúbicos | 470 | 470.00 | 470.00 | 30.299 | 14.240.530 | 14.240.530 |
| 1.2.4 | Relleno y compactación | Metros cúbicos | 1.150 | 1.190.00 | 1.435.00 | 107.117 | 127.468.230 | 127.468.230 |
| 1.2.5 | Entibamiento | Metros cuadrados | 320 | 320.00 | 383.00 | 69.993 | 22.397.760 | 22.397.760 |
| 1.2.6 | Alcantarilla Celular Doble de 3.00 x 2.50 x 1.00 | Metro lineal | 166 | 166.00 | 166.00 | 14.781.682 | 2.453.759.212 | 2.453.759.212 |
| 1.2.7 | Alcantarilla Tubular simple D=0.60m | Metro lineal | 22 | 22.00 | 22.00 | 1.090.051 | 23.981.122 | 23.981.122 |
| 1.2.8 | Cabezal estructural | Unidad Medida Global | 1 | 1.00 | 1.00 | 21.205.767 | 21.205.767 | 21.205.767 |
| 1.3 | Sumideros y Badenes | | | | | | | |
| 1.3.1 | Sumideros de ventana simple | Unidad | 1 | 1.00 | - | 2.722.329 | 2.722.329 | 2.722.329 |
| 1.3.2 | Sumideros de ventana doble | Unidad | 1 | 1.00 | - | 8.166.987 | 8.166.987 | 8.166.987 |
| 1.3.3 | Rejistro in situ - entrada alcantarilla | Unidad | 5 | 5.00 | - | 36.815.904 | 184.079.520 | 184.079.520 |
| 1.3.4 | Rejistro in situ - entrada alcantarilla - con boca de hombre | Cento por M3 | 3 | 3.00 | - | 36.815.904 | 110.447.712 | 110.447.712 |
| 1.4 | Sumidero Canal | | | | | | | |
| 1.4.1 | Excavación estructural | Metros cúbicos | 518 | 518.00 | 260.00 | 25.548 | 13.233.864 | 13.233.864 |
| 1.4.2 | Retiro y disposición final del material | Metros cúbicos | 220 | 220.00 | 220.00 | 30.299 | 6.665.780 | 6.665.780 |
| 1.4.3 | Relleno y compactación | Metros cúbicos | 133 | 133.00 | 133.00 | 107.117 | 14.246.561 | 14.246.561 |
| 1.4.4 | Hormigón ciclópeo (paredes laterales) | Metros cúbicos | 239 | 239.00 | - | 832.196 | 198.894.844 | 198.894.844 |
| 1.4.5 | Hormigón armado (fondo y tapa) | Metros cúbicos | 104 | 104.00 | - | 1.951.490 | 202.954.960 | 202.954.960 |
| 1.5 | Pavimento de Calle | | | | | | | |
| 1.5.1 | Relleno superior para base de pavimento | Metros cúbicos | 957 | 957.00 | 957.00 | 227.141 | 217.373.937 | 217.373.937 |
| 1.5.2 | Pavimento de Calle de 7.20 de ancho x 20 cm de espesor | Metros cúbicos | 120 | 120.00 | 415.00 | 1.663.251 | 199.590.120 | 199.590.120 |
| 1.5.3 | Cordón sencillo de H° prefabricado dim. 0.10 x 0.30 x 1.00 de acuerdo a detalle | Metro lineal | 834 | 834.00 | 526.07 | 57.895 | 48.284.430 | 48.284.430 |
| 1.5.4 | Pintura de riño para calle ( Estacionamiento Vehicular, franja peatonal, cruces por ramas ) | Metros cuadrados | 830 | 830.00 | 830.00 | 47.124 | 39.112.920 | 39.112.920 |
| 1.5.5 | Acarreo de escombros en contenedor o camión tumba | Unidad | 15 | 15.00 | 15.00 | 403.919 | 6.058.785 | 6.058.785 |
| 1.5.6 | Ramas de acceso vehicular | Unidad | 30 | 30.00 | - | 54.193 | 1.625.790 | 1.625.790 |
| 1.6 | Veredas | | | | | | | |
| 1.6.1 | Excavación para base de veredas | Metros cúbicos | 683 | 683.00 | 683.00 | 51.096 | 34.898.568 | 34.898.568 |
| 1.6.2 | Relleno compactado base para vereda | Metros cúbicos | 683 | 683.00 | 683.00 | 107.117 | 73.160.911 | 73.160.911 |
| 1.6.3 | Piso tipo P1 baldosa de granito pulido antideslizante de 40 x 40 de color gris incluye junta de dilatación | Metros cuadrados | 683 | 683.00 | 1133.08 | 105.365 | 72.647.295 | 72.647.295 |
| 1.6.4 | Reparación de muros linderos por daños de la obra | Metros cuadrados | 150 | 150.00 | 150.00 | 249.659 | 37.448.850 | 37.448.850 |
| 1.6.5 | Ramas para discapacitados | Unidad | 4 | 4.00 | 7.00 | 336.599 | 1.346.396 | 1.346.396 |
| 1.6.6 | Acarreo de escombros en contenedor o camión tumba | Unidad | 30 | 30.00 | 30.00 | 403.919 | 12.117.570 | 12.117.570 |
| 1.7 | Equipamiento de Veredas | | | | | | | |
| 1.7.1 | Banqueta de Hormigón de 1.50 x 0.50 x 0.50 con terminación fina color hormigón natural | Unidad | 5 | 5.00 | 5.00 | 1.463.618 | 7.318.090 | 7.318.090 |
| 1.7.2 | Cantero de Hormigón para Plantas o Arboles | Unidad | 3 | 3.00 | 3.00 | 1.951.490 | 5.854.470 | 5.854.470 |
| 1.7.3 | Plantación de Arboles y Jardinería | Unidad | 3 | 3.00 | 3.00 | 605.879 | 1.817.637 | 1.817.637 |
| 1.7.4 | Bajantes Publico | Unidad | 10 | 10.00 | 10.00 | 430.847 | 4.308.470 | 4.308.470 |
| 1.7.5 | Alumbrado publico con paneles solares 80 w auto-sustentables cada 10 mts de distancia ( Seria Doble alumbrando a la calle y a la vereda ) | Unidad | 66 | 66.00 | 0 | 12.259.223 | 815.708.718 | 815.708.718 |
| 1.7.6 | Señalización vertical | Unidad | 4 | 4.00 | 4.00 | 969.406 | 3.877.624 | 3.877.624 |
| 1.7.7 | Acarreo de escombros en contenedor o camión tumba | Unidad | 15 | 15.00 | 15.00 | 403.919 | 6.058.785 | 6.058.785 |
| 1.8 | Desagüe cloacal | | | | | | | |
| 1.8.1 | Excavación estructural | Metros cúbicos | 319 | 319.00 | 319.00 | 25.548 | 8.149.812 | 8.149.812 |
| 1.8.2 | Camada de arena de arena lavada | Metros cúbicos | 27 | 27.00 | 27.00 | 101.651 | 2.744.631 | 2.744.631 |
| 1.8.3 | Relleno y compactación con material de préstamo | Metros cúbicos | 292 | 292.00 | 292.00 | 107.117 | 31.278.164 | 31.278.164 |
| 1.8.4 | Colector cloacal de PVC - 150mm | Metro lineal | 332 | 332.00 | 100.00 | 226.195 | 75.096.740 | 75.096.740 |
| 1.8.5 | Colector cloacal de PVC - 200mm | Metro lineal | 130 | 130.00 | 0 | 249.084 | 32.380.920 | 32.380.920 |
| 1.8.6 | Registros de inspección cloacal | Unidad | 12 | 12.00 | 12.00 | 4.712.393 | 56.548.716 | 56.548.716 |
| 1.8.7 | Accesorio de PVC rígido y flexibles domiciliarios para conexión cloacal. Incluye la conexión a los domicilios | Unidad | 36 | 36.00 | 36.00 | 1.151.170 | 41.442.120 | 41.442.120 |
| 1.9 | Servicios Ambientales Tramo 1-A | | | | | | | |
| 1.9.1 | Especificaciones Técnicas Ambientales Generales-ETAGs | Unidad | 1 | 1.00 | 1.00 | 22.888.764 | 22.888.764 | 22.888.764 |
| 1.9.2 | Plan de Gestión Ambiental (PGA) | Unidad | 1 | 1.00 | 1.00 | 268.279.577 | 268.279.577 | 268.279.577 |
| 1.9.3 | Plan de Gestión Comunicacional | Unidad | 1 | 1.00 | 1.00 | 75.061.682 | 75.061.682 | 75.061.682 |
| 2 | Saneamiento ambiental del Arroyo Sosa Tramo 1.2: de Carnaloje a Avda. B. Guerrero 160.00 ml | | | | | | | |
| 2.1 | Alcantarillas | | | | | | | |
| 2.1.1 | Excavación estructural | Metros cúbicos | 2.304 | 2.304.00 | 2.554.00 | 25.548 | 58.867.592 | 58.867.592 |
| 2.1.2 | Excavación de bolsones | Metros cúbicos | 460 | 460.00 | 460.00 | 25.548 | 11.752.080 | 11.752.080 |
| 2.1.3 | Retiro y disposición final del material | Metros cúbicos | 460 | 460.00 | 460.00 | 30.299 | 13.937.540 | 13.937.540 |
| 2.1.4 | Relleno y Compactación | Metros cúbicos | 1.204 | 1.204.00 | 3.794.00 | 107.117 | 128.968.868 | 128.968.868 |
| 2.1.5 | Entibamiento | Metros cuadrados | 400 | 400.00 | 900.00 | 71.319 | 28.543.600 | 28.543.600 |
| 2.1.6 | Alcantarilla Celular Doble de 3.00 x 2.50 x 1.00 | Metro lineal | 160 | 160.00 | 158.00 | 14.781.682 | 2.365.069.120 | 2.365.069.120 |
| 2.1.7 | Alcantarilla Celular Simple de 3.00 x 2.50 x 1.00 | Metro lineal | 60 | 60.00 | 60.00 | 7.390.841 | 443.450.460 | 443.450.460 |
| 2.1.8 | Alcantarilla Tubular simple D=0.60m | Metro lineal | 12 | 12.00 | 6.00 | 1.090.051 | 13.080.612 | 13.080.612 |
| 2.1.9 | Cabezal estructural | Unidad Medida Global | 1 | 1.00 | 1.00 | 21.205.767 | 21.205.767 | 21.205.767 |
| 2.2 | Sumideros y Badenes | | | | | | | |
| 2.2.1 | Sumideros de ventana simple | Unidad | 1 | 1.00 | - | 2.722.329 | 2.722.329 | 2.722.329 |
| 2.2.2 | Sumideros de ventana doble | Unidad | 1 | 1.00 | - | 5.444.658 | 5.444.658 | 5.444.658 |
| 2.2.3 | Rejistro in situ - entrada alcantarilla | Unidad | 5 | 5.00 | - | 36.815.904 | 184.079.520 | 184.079.520 |
| 2.2.4 | Rejistro in situ - entrada alcantarilla - con boca de hombre | Unidad | 3 | 3.00 | 3.00 | 36.815.904 | 110.447.712 | 110.447.712 |
| 2.2.5 | Rejistro especial (ver detalle 3) | Unidad | 1 | 1.00 | 1.00 | 87.055.725 | 87.055.725 | 87.055.725 |
| 2.3 | Sumidero Canal | | | | | | | |
| 2.3.1 | Excavación estructural | Metros cúbicos | 500 | 500.00 | 500.00 | 25.548 | 12.774.000 | 12.774.000 |
| 2.3.2 | Retiro y disposición final del material | Metros cúbicos | 220 | 220.00 | - | 30.299 | 6.665.780 | 6.665.780 |
| 2.3.3 | Relleno y compactación | Metros cúbicos | 128 | 128.00 | 138.00 | 107.117 | 13.710.976 | 13.710.976 |
| 2.3.4 | Hormigón ciclópeo (paredes laterales) | Metros cúbicos | 231 | 231.00 | - | 832.196 | 192.237.276 | 192.237.276 |
| 2.3.5 | Hormigón armado (fondo y tapa) | Metros cúbicos | 100 | 100.00 | - | 1.951.490 | 195.149.000 | 195.149.000 |
| 2.4 | Pavimento de Calle | | | | | | | |
| 2.4.1 | Relleno superior para base de pavimento | Metros cúbicos | 922 | 922.00 | 1.617.00 | 227.141 | 209.424.002 | 209.424.002 |
| 2.4.2 | Pavimento de Calle de 7.20 de ancho x 20 cm de espesor | Metros cúbicos | 115 | 115.00 | 383.00 | 1.663.251 | 191.273.865 | 191.273.865 |
| 2.4.3 | Cordón sencillo de H° prefabricado dim. 0.10 x 0.30 x 1.00 de acuerdo a detalle | Metro lineal | 1.043 | 1.043.00 | 480.00 | 58.184 | 60.665.052 | 60.665.052 |
| 2.4.4 | Pintura de riño para calle ( Estacionamiento Vehicular, franja peatonal, cruces por ramas, etc. ) | Metros cuadrados | 800 | 800.00 | 800.00 | 47.124 | 37.699.200 | 37.699.200 |
| 2.4.5 | Acarreo de escombros en contenedor o camión tumba | Unidad | 15 | 15.00 | 15.00 | 403.919 | 6.058.785 | 6.058.785 |
| 2.4.6 | Ramas de acceso vehicular | Unidad | 30 | 30.00 | - | 47.124 | 1.413.720 | 1.413.720 |
| 2.5 | Veredas | | | | | | | |
| 2.5.1 | Excavación para base de veredas | Metros cúbicos | 683 | 683.00 | 923.00 | 51.096 | 34.898.568 | 34.898.568 |
| 2.5.2 | Relleno compactado base para vereda | Metros cúbicos | 683 | 683.00 | 1.483.49 | 107.117 | 73.160.911 | 73.160.911 |
| 2.5.3 | Piso tipo P1 baldosa de granito pulido antideslizante de 40 x 40 de color gris incluye junta de dilatación | Metros cuadrados | 2.458 | 2.458.00 | 1.720.00 | 105.365 | 261.445.170 | 261.445.170 |
| 2.5.4 | Piso tipo P2 baldosa de granito pulido antideslizante de 40 x 40 de color roja incluye junta de dilatación borde de plazas | Metros cuadrados | 58 | 58.00 | - | 106.565 | 6.169.170 | 6.169.170 |
| 2.5.5 | Reparación de muros linderos por daños de la obra | Metros cuadrados | 150 | 150.00 | 150.00 | 249.659 | 37.448.850 | 37.448.850 |
| 2.5.6 | Ramas para discapacitados | Unidad | 4 | 4.00 | 7.00 | 336.599 | 1.346.396 | 1.346.396 |
| 2.5.7 | Acarreo de escombros en contenedor o camión tumba | Unidad | 30 | 30.00 | 30.00 | 403.919 | 12.117.570 | 12.117.570 |
| 2.6 | Equipamiento de Veredas | | | | | | | |
| 2.6.1 | Banqueta de Hormigón de 1.50 x 0.50 x 0.50 con terminación fina color hormigón natural | Unidad | 10 | 10.00 | 10.00 | 1.463.618 | 14.636.180 | 14.636.180 |
| 2.6.2 | Cantero de Hormigón para Plantas o Arboles | Unidad | 17 | 17.00 | 10.00 | 1.951.490 | 33.175.330 | 33.175.330 |
| 2.6.3 | Plantación de Arboles y Jardinería | Unidad | 17 | 17.00 | 17.00 | 605.879 | 10.299.943 | 10.299.943 |
| 2.6.4 | Bajantes Publico | Unidad | 10 | 10.00 | 10.00 | 430.847 | 4.308.470 | 4.308.470 |
| 2.6.5 | Alumbrado publico con paneles solares 80 w auto-sustentables cada 10 mts de distancia ( Seria Doble alumbrando a la calle y a la vereda ) | Unidad | 32 | 32.00 | - | 12.259.223 | 395.495.136 | 395.495.136 |
| 2.6.6 | Señalización vertical | Unidad | 4 | 4.00 | 4.00 | 969.406 | 3.877.624 | 3.877.624 |
| 2.6.7 | Acarreo de escombros en contenedor o camión tumba | Unidad | 12 | 12.00 | 12.00 | 403.919 | 4.847.028 | 4.847.028 |
| 2.7 | Equipamiento de Plaza | | | | | | | |
| 2.7.1 | Excavación para base de piso de plaza | Metros cúbicos | 291 | 291.00 | 291.00 | 51.096 | 14.868.936 | 14.868.936 |
| 2.7.2 | Contrapiso compactado base de piso para plaza | Metros cúbicos | 291 | 291.00 | 291.00 | 152.513 | 44.381.283 | 44.381.283 |
| 2.7.3 | Piso tipo Hormigón de 5 cm de espesor | Metros cuadrados | 52 | 52.00 | 362.00 | 1.542.075 | 80.187.900 | 80.187.900 |
| 2.7.4 | Piso tipo Grama de 5 cm de espesor | Metros cuadrados | 100 | 100.00 | - | 100.643 | 10.064.300 | 10.064.300 |
| 2.7.5 | Piso tipo Adoquín de color gris y rojo de 5 cm de espesor | Metros cuadrados | 127 | 127.00 | - | 355.479 | 31.168.438 | 31.168.438 |
| 2.7.6 | Banqueta de Hormigón de 1.50 x 0.50 x 0.50 con terminación fina color hormigón natural para lugares de Mesitas | Unidad | 2 | 2.00 | - | 1.463.618 | 2.927.236 | 2.927.236 |
| 2.7.7 | Bajantes Publico | Unidad | 10 | 10.00 | 10.00 | 430.847 | 4.308.470 | 4.308.470 |
| 2.7.8 | Juegos Infantiles Juegos Múltiples Hamaca, Tobogán, Pasarela, Escalerilla ( Detalle 08 ) | Unidad | 1 | 1.00 | 1.00 | 9.601.598 | 9.601.598 | 9.601.598 |
| 2.7.9 | Juegos Infantiles Hamaca simple | Unidad | 1 | 1.00 | 1.00 | 3.206.251 | 3.206.251 | 3.206.251 |
| 2.7.10 | Juegos Infantiles de piso con Colores | Unidad | 1 | 1.00 | - | 2.486.414 | 2.486.414 | 2.486.414 |
| 2.7.11 | Juego Bancos Giratorios | Unidad | 1 | 1.00 | 1.00 | 3.908.933 | 3.908.933 | 3.908.933 |
| 2.7.12 | Juegos de Escalerilla con Pasamano Alto | Unidad | 1 | 1.00 | - | 3.908.933 | 3.908.933 | 3.908.933 |
| 2.7.13 | Mini Cancha de Básquet | Unidad | 1 | 1.00 | - | 13.309.143 | 13.309.143 | 13.309.143 |
| 2.7.14 | Cancha de Mini-Vóley con su Red | Unidad | 1 | 1.00 | - | 10.064.324 | 10.064.324 | 10.064.324 |
| 2.7.15 | Equipo para caminar acuático | Unidad | 4 | 4.00 | 2.00 | 5.967.609 | 27.870.436 | 27.870.436 |
| 2.7.16 | Equipo para elongación varios acuático | Unidad | 4 | 4.00 | 2.00 | 10.064.324 | 40.257.296 | 40.257.296 |
| 2.7.17 | Equipo para cintura acuático | Unidad | 4 | 4.00 | 2.00 | 10.064.324 | 40.257.296 | 40.257.296 |
| 2.7.18 | Alumbrado publico con paneles solares 80 w auto-sustentables ( Seria Doble alumbrando en las plazas ) | Unidad | 16 | 16.00 | - | 12.259.223 | 197.747.568 | 197.747.568 |
| 2.7.19 | Acarreo de escombros en contenedor o camión tumba | Unidad | 12 | 12.00 | 12.00 | 403.919 | 4.847.028 | 4.847.028 |
| 2.8 | Desagüe cloacal | | | | | | | |
| 2.8.1 | Excavación para colector | | | | | | | |

**FISCALIZACIÓN: CAPSOH-MOPC**

| C.M.2 | % de Variacion respecto al Contrato (C.M.1) | % de Variación respecto al Contrato (C.M.2) | INCIDENCIA (% TOTAL) | MES 1 | MES 2 | MES 3 | MES 4 | MES 5 | MES 6 | MES 7 | MES 8 | MES 9 | MES 10 | MES 11 | MES 12 | MES 13 | MES 14 | MES 15 | MES 16 | MES 17 | MES 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 90.853.773 | 55% | 55% | 0.3640% | | | | | | | | | | 10.00% | 25.00% | 20.00% | 30.00% | 10.00% | 20.00% | 20.00% | | |
| 215.935.291 | 8% | 8% | 0.8350% | 10.00% | 6.00% | 5.50% | 5.50% | 5.50% | 13.5% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% |
| 111.420.558 | 8% | 8% | 0.8300% | 20.00% | 6.00% | 5.50% | 5.50% | 5.50% | 13.5% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 2.50% | | |
| 77.552.518 | 0% | 0% | 0.2250% | 100.00% | | | | | | | | | | | | | | | | | |
| 100.979.841 | 0% | 0% | 0.2940% | 20.00% | 6.00% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 2.00% | | |
| 72.705.436 | 0% | 0% | 0.2110% | 30.00% | 6.00% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | | | | |
| 43.623.291 | 0% | 0% | 0.1270% | 6.00% | 6.00% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% | 5.50% |
| 119.259.947 | 254% | 254% | 0.3470% | | | | | 100.00% | 100.00% | 54.00% | | | | | | 50.00% | 50.00% | | | | |
| 50.489.921 | 0% | 0% | 0.1470% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 20.195.968 | 0% | 0% | 0.0590% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| 6.731.989 | 0% | 0% | 0.0200% | 100.00% | | | | | | | | | | | | | | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 74.291.584 | 0% | 22% | 0.2160% | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | |
| 12.007.560 | 0% | 0% | 0.0350% | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | |
| 14.740.930 | 0% | 0% | 0.0410% | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | |
| 152.641.735 | 0% | 20% | 0.4440% | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | |
| 26.807.319 | 0% | 20% | 0.0780% | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | |
| 2.453.759.212 | 0% | 0% | 7.1340% | | | | | | | | | | | | | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% |
| 23.981.122 | 0% | 0% | 0.0700% | | | | | | | | | | | | | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% |
| 21.305.787 | 0% | 0% | 0.0630% | | | | | | | | | | | | 50.00% | 50.00% | | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 6.642.480 | 0% | -50% | 0.0190% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 6.665.780 | 0% | 0% | 0.0190% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 14.246.561 | 0% | 0% | 0.0410% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 217.373.937 | 0% | 0% | 0.6370% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 690.249.165 | 0% | 246% | 2.0070% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 30.456.823 | 0% | -37% | 0.0890% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 39.112.920 | 0% | 0% | 0.1140% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 6.058.785 | 0% | 0% | 0.0180% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 34.858.568 | 0% | 0% | 0.1018% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 73.160.911 | 0% | 0% | 0.2150% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 120.511.545 | 0% | 66% | 0.3500% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 37.448.850 | 0% | 0% | 0.1090% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 2.356.193 | 0% | 75% | 0.0070% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 12.117.570 | 0% | 0% | 0.0350% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 7.318.090 | 0% | 0% | 0.0218% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 5.854.470 | 0% | 0% | 0.0170% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 1.817.657 | 0% | 0% | 0.0050% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 4.508.470 | 0% | 0% | 0.0130% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| 3.877.624 | 0% | 0% | 0.0110% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 6.058.785 | 0% | 0% | 0.0180% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 8.149.812 | 0% | 0% | 0.0240% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 2.744.631 | 0% | 6% | 0.0080% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 31.378.164 | 0% | 6% | 0.0910% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 22.619.500 | 0% | -70% | 0.0660% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| 56.548.716 | 0% | 0% | 0.1640% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 41.442.120 | 0% | 0% | 0.1200% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 22.808.784 | 0% | 0% | 0.0670% | | | | | | | | | | | | | 25.00% | 20.00% | 20.00% | 15.00% | 15.00% | 5.00% |
| 269.179.577 | 0% | 0% | 0.7830% | | | | | | | | | | | | | 25.00% | 20.00% | 20.00% | 15.00% | 15.00% | 5.00% |
| 75.081.682 | 0% | 0% | 0.2180% | | | | | | | | | | | | | 25.00% | 20.00% | 20.00% | 15.00% | 15.00% | 5.00% |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 65.249.592 | 0% | 11% | 0.1900% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 11.757.080 | 0% | 0% | 0.0340% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 13.937.540 | 0% | 0% | 0.0410% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 402.117.218 | 0% | 212% | 1.1690% | | | | | | | | | | | | 25.00% | 25.00% | 50.00% | | | | |
| 64.223.100 | 0% | 125% | 0.1870% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 2.039.872.116 | 0% | -14% | 5.9300% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 443.450.460 | 0% | 0% | 1.2900% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 6.540.306 | 0% | -50% | 0.0190% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 21.305.767 | 0% | 0% | 0.0620% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| 36.815.904 | 0% | -61% | 0.1070% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 87.055.725 | 0% | 0% | 0.2530% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| | | | | | | | | | | | | | | | | | | | | | |
| 12.774.000 | 0% | 0% | 0.0370% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 13.710.975 | 0% | 0% | 0.0400% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| | | | | | | | | | | | | | | | | | | | | | |
| 367.286.997 | 0% | 75% | 1.0680% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 637.025.133 | 0% | 233% | 1.8520% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 27.918.720 | 0% | -54% | 0.0810% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 37.699.200 | 0% | 0% | 0.1100% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 6.058.785 | 0% | 0% | 0.0180% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 47.161.008 | 0% | 35% | 0.1370% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 158.506.998 | 0% | 117% | 0.4620% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 182.947.800 | 0% | -30% | 0.5320% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 37.448.850 | 0% | 0% | 0.1090% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 2.356.193 | 0% | 75% | 0.0070% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 12.117.570 | 0% | 0% | 0.0350% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| | | | | | | | | | | | | | | | | | | | | | |
| 14.636.380 | 0% | 0% | 0.0430% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 19.514.900 | 0% | -41% | 0.0570% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 10.299.943 | 0% | 0% | 0.0300% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 4.508.470 | 0% | 0% | 0.0130% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 3.877.624 | 0% | 0% | 0.0110% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 4.847.028 | 0% | 0% | 0.0140% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| | | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 14.868.936 | 0% | 0% | 0.0430% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 44.391.283 | 0% | 0% | 0.1290% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| 558.231.150 | 0% | 596% | 1.6230% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 4.508.470 | 0% | 0% | 0.0130% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 9.601.598 | 0% | 0% | 0.0280% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 9.306.353 | 0% | 0% | 0.0270% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 3.908.933 | 0% | 0% | 0.0113% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 18.935.218 | 0% | -50% | 0.0610% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 20.128.648 | 0% | -30% | 0.0590% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 20.128.648 | 0% | -30% | 0.0590% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| - | 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |
| 4.847.028 | 0% | 0% | 0.0140% | | | | | | | | | | | | | | | | | 50.00% | 50.00% |

Ing. SERGIO R. SAMUDIO BAEZ
Representante Legal

**CONTRATISTA**
CONSORCIO CTN
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**MINISTERIO DE OBRAS PÚBLICAS Y COMUNICACIONES**
**COORDINACIÓN DE PROYECTOS DE AGUA POTABLE, SANEAMIENTO Y OBRAS HIDRAULICAS**
**CONTRATO S.O. MINISTRO Nº 323/2020**
**OBRA: LICITACIÓN PUBLICA NACIONAL FIRMAS CONSTRUCTORAS PARA MEJORAMIENTO DEL ARROYO SOSA DE LA CIUDAD DE LAMBARE - SEGUNDA ETAPA con ID: 370376**

RESOLUCIÓN MINISTERIAL N°: 57/2020
FECHA DE CONTRATO: 44.090.00 — 12/12/2019
MONTO ORIGINAL(CON IVA) :Gs. 94.997.666.666.00 — 2/11/2020
18 meses

| Ítem | Descripción del Bien | Unidad de Medida | CANTIDADES Cantidad Contractual | C.M.1 | C.M.2 | Precio unitario C.M.2 | PRECIO TOTAL CONTRACTUAL | C.M.1 | C.M.2 |
|---|---|---|---|---|---|---|---|---|---|
| 2.8.6 | Registros de Inspección cloacal | Unidad | 12 | 12.00 | 31.00 | 4.712.393 | 56.548.716 | 56.548.716 | 146.2 |
| 2.8.7 | Ramales domiciliarios para conexión cloacal | Unidad | 36 | 36.00 | 36.00 | 1.151.170 | 41.442.120 | 41.442.120 | 41.4 |
| 2.9 | Servicios Ambientales Tramo 1-B | | | | | | | | |
| 2.9.1 | Especificaciones Técnicas Ambientales Generales-ETAGs | Unidad | 1 | 1.00 | 1.00 | 22.888.764 | 22.888.764 | 22.888.764 | 22.8 |
| 2.9.2 | Plan de Gestión Ambiental (PGA) | Unidad | 1 | 1.00 | 1.00 | 269.279.577 | 269.279.577 | 269.279.577 | 269.2 |
| 2.9.3 | Plan de Gestión Comunicacional | Unidad | 1 | 1.00 | 1.00 | 75.061.682 | 75.061.682 | 75.061.682 | 75.0 |
| 3 | Saneamiento ambiental del Arroyo Sosa Tramo 2 sobre la Avda. B. Guerón 645.55 ml | | | | | | | | |
| 3.1 | Trabajos Preliminares | | | | | | | | |
| 3.1.1 | Demolición y remoción de pavimento asfáltico | Metros cuadrados | 4.519 | 4.519.00 | 4.900.00 | 188.781 | 853.029.035 | 853.029.035 | 924.9 |
| 3.1.2 | Demolición y remoción de suministros existente | Unidad | 12 | 12.00 | 12.00 | 2.722.329 | 32.667.948 | 32.667.948 | 32.6 |
| 3.1.3 | Demolición y remoción de veredas | Metros cuadrados | 1.162 | 1.162.00 | 1.162.00 | 138.096 | 160.362.972 | 160.362.972 | 160.3 |
| 3.1.4 | Demolición y remoción de canales de H° fundida sean lo existantes | Metro lineal | 661 | 661.00 | 1.200.00 | 87.247 | 57.670.267 | 57.670.267 | 104.6 |
| 3.1.5 | Demolición de muro de PBC. Retiro de los escombros | Unidad Medida Global | 1 | 1.00 | 1.00 | 33.659.947 | 33.659.947 | 33.659.947 | 33.6 |
| 3.1.6 | Retiro y disposición final del material | Metros cúbicos | 1.435 | 1.435.00 | 1.435.00 | 30.209 | 43.479.065 | 43.479.065 | 43.4 |
| 3.2 | Alcantarillas | | | | | | | | |
| 3.2.1 | Excavación estructural | Metros cúbicos | 8.347 | 8.347.00 | 20.610.43 | 25.548 | 213.249.156 | 213.249.156 | 526.5 |
| 3.2.2 | Excavación de bolsones | Metros cúbicos | 955 | 955.00 | - | 25.548 | 24.398.340 | 24.398.340 | - |
| 3.2.3 | Retiro y disposición final del material | Metros cúbicos | 6.500 | 6.500.00 | 6.500.00 | 30.299 | 196.943.500 | 196.943.500 | 196.9 |
| 3.2.4 | Relleno y compactación | Metros cúbicos | 4.641 | 4.641.00 | 14.541.00 | 107.113 | 497.129.997 | 497.129.997 | 1.557.5 |
| 3.2.5 | Entibamientos | Metros cuadrados | 3.840 | 3.840.00 | 3.840.00 | 71.959 | 274.018.560 | 274.018.560 | 274.0 |
| 3.2.6 | Alcantarilla Celular de 2.50 x 2.50 x 1.00 | Metro lineal | 320 | 320.00 | 320.00 | 5.896.844 | 1.886.990.080 | 1.886.990.080 | 1.886.9 |
| 3.2.7 | Alcantarilla Celular de 3.00 x 2.50 x 1.00 | Metro lineal | 370 | 370.00 | 321.00 | 7.190.841 | 2.734.611.170 | 2.734.611.170 | 2.372.4 |
| 3.2.8 | Alcantarilla Celular de 3.00 x 2.50 curva | Metro lineal | 15 | 15.00 | 10.00 | 14.781.682 | 221.725.230 | 221.725.230 | 147.8 |
| 3.2.9 | Alcantarilla tubular Jimoto - D=0.60m | Metro lineal | 12 | 12.00 | 52.00 | 1.090.051 | 13.080.612 | 13.080.612 | 56.6 |
| 3.2.10 | Cálculo estructural | Unidad Medida Global | 1 | 1.00 | 1.00 | 21.205.767 | 21.205.767 | 21.205.767 | 21.2 |
| 3.3 | Sumideros y Registros | | | | | | | | |
| 3.3.1 | Sumideros de ventana triple | Unidad | 1 | 1.00 | 1.00 | 8.166.987 | 8.166.987 | 8.166.987 | 8.16 |
| 3.3.2 | Sumideros de ventana multiple | Unidad | 1 | 1.00 | 1.00 | 13.611.645 | 13.611.645 | 13.611.645 | 13.61 |
| 3.3.3 | Demolición de estructura existente, construcción de estructura de captación y conexión de las alcantarillas existentes a la nueva estructura (ver Detalle 1) | Unidad | 1 | 1.00 | 1.00 | 29.036.790 | 29.036.790 | 29.036.790 | 29.03 |
| 3.3.4 | Demolición de estructura existente, construcción de registro Especial de Hormigón, conexión de la estructura existente al nuevo Especial de Hormigón (ver Detalle 3) | Unidad | 1 | 1.00 | 1.00 | 72.671.826 | 72.671.826 | 72.671.826 | 72.67 |
| 3.3.5 | Demolición de estructura existente, construcción de registro Especial de Hormigón, conexión de la estructura existente al nuevo Especial de Hormigón (ver Detalle 4) | Unidad | 1 | 1.00 | 1.00 | 115.725.591 | 115.725.591 | 115.725.591 | 115.72 |
| 3.3.6 | Demolición de estructura existente, construcción de registro Especial de Hormigón, conexión de la estructura existente al nuevo Especial de Hormigón (ver Detalle 5) | Unidad | 1 | 1.00 | - | 115.725.591 | 115.725.591 | 115.725.591 | - |
| 3.3.7 | Registro In situ, con boca de hombre | Unidad | 8 | 8.00 | 9.00 | 36.815.904 | 294.527.232 | 294.527.232 | 110.44 |
| 3.4 | Pavimento de Calle | | | | | | | | |
| 3.4.1 | Relleno superior para base de asentamiento | Metros cúbicos | 3.816 | 3.816.00 | 3.816.00 | 227.141 | 866.770.056 | 866.770.056 | 866.77 |
| 3.4.2 | Pintura de riño para calle ( Estacionamiento Vehicular ) | Metros cuadrados | 1.579 | 1.579.00 | 1.579.00 | 47.124 | 74.408.796 | 74.408.796 | 74.40 |
| 3.4.3 | Acarreo de escombros en contenedor o camión tumba | Unidad | 50 | 50.00 | 50.00 | 403.919 | 20.195.950 | 20.195.950 | 20.19 |
| 3.5 | Veredas | | | | | | | | |
| 3.5.1 | Relleno y Contrapiso compactado base para veredas | Metros cúbicos | 117 | 117.00 | 236.00 | 107.117 | 12.532.689 | 12.532.689 | 25.27 |
| 3.5.2 | Piso tipo Baldosas | Metros cuadrados | 1.162 | 1.162.00 | 1.162.00 | 89.535 | 104.039.670 | 104.039.670 | 104.03 |
| 3.5.3 | Rampa para discapacitados | Unidad | 10 | 10.00 | 10.00 | 336.599 | 3.365.990 | 3.365.990 | 3.365 |
| 3.5.4 | Acarreo de escombros en contenedor o camión tumba | Unidad | 30 | 30.00 | 30.00 | 403.919 | 12.117.570 | 12.117.570 | 12.117 |
| 3.6 | Entibamiento de Veredas | | | | | | | | |
| 3.6.1 | Banqueta de Hormigón de 1.10 x 0.50 x 0.50 con terminación fina color hormigón natural | Unidad | 10 | 10.00 | 10.00 | 1.463.618 | 14.636.180 | 14.636.180 | 14.636 |
| 3.6.2 | Basurero Público | Unidad | 10 | 10.00 | 10.00 | 430.847 | 4.308.470 | 4.308.470 | 4.308 |
| 3.6.3 | Señalización vertical | Unidad | 8 | 8.00 | 8.00 | 969.406 | 7.755.248 | 7.755.248 | 7.755 |
| 3.6.4 | Acarreo de escombros en contenedor o camión tumba | Unidad | 15 | 15.00 | 15.00 | 403.919 | 6.058.785 | 6.058.785 | 6.058 |
| 3.7 | Desagüe cloacal | | | | | | | | |
| 3.7.1 | Excavación para tuberías | Metros cúbicos | 624 | 624.00 | 624.00 | 76.644 | 47.825.856 | 47.825.856 | 47.825 |
| 3.7.2 | Camada de asiento de arena lavada | Metros cúbicos | 52 | 52.00 | 52.00 | 101.651 | 5.285.956 | 5.285.956 | 5.285 |
| 3.7.3 | Relleno y compactación con material de préstamo | Metros cúbicos | 572 | 572.00 | 572.00 | 107.117 | 61.270.924 | 61.270.924 | 61.270 |
| 3.7.4 | Colector cloacal de PVC - 200mm | Metro lineal | 650 | 650.00 | 650.00 | 249.084 | 161.904.600 | 161.904.600 | 161.904 |
| 3.7.5 | Registros de inspección cloacal | Unidad | 13 | 13.00 | 13.00 | 4.712.393 | 61.261.109 | 61.261.109 | 61.261 |
| 3.7.6 | Ramales domiciliarios para conexión cloacal | Unidad | 54 | 54.00 | 54.00 | 1.151.170 | 62.163.180 | 62.163.180 | 62.163 |
| 3.8 | Servicios Ambientales Tramo 2 | | | | | | | | |
| 3.8.1 | Especificaciones Técnicas Ambientales Generales-ETAGs | Unidad | 1 | 1.00 | 1.00 | 22.888.764 | 22.888.764 | 22.888.764 | 22.888 |
| 3.8.2 | Plan de Gestión Ambiental (PGA) | Unidad | 1 | 1.00 | 1.00 | 269.279.577 | 269.279.577 | 269.279.577 | 269.279 |
| 3.8.3 | Plan de Gestión Comunicacional | Unidad | 1 | 1.00 | 1.00 | 75.061.682 | 75.061.682 | 75.061.682 | 75.061 |
| 4 | Saneamiento ambiental del Arroyo Sosa Tramo 3 de la Avda. Bruno Guereñi al Puente San Rafael 388.65 ml | | | | | | | | |
| 4.1 | Muro de Gaviones laterales | | | | | | | | |
| 4.1.1 | Excavación estructural | Metros cúbicos | 10.200 | 10.200.00 | 10.427.20 | 25.548 | 260.589.600 | 260.589.600 | 266.394 |
| 4.1.2 | Excavación para asiento de anclajes y colchones reno - roca | Metros cúbicos | 8.950 | 8.950.00 | 7.403.78 | 25.548 | 228.654.600 | 228.654.600 | 189.151 |
| 4.1.3 | Excavación de bolsones | Metros cúbicos | 2.040 | 2.040.00 | 91.00 | 25.548 | 52.117.920 | 52.117.920 | 2.324 |
| 4.1.4 | Retiro y disposición final del material | Metros cúbicos | 2.040 | 2.040.00 | 2.040.00 | 30.299 | 61.809.960 | 61.809.960 | 61.809 |
| 4.1.5 | Entibamiento | Metros cuadrados | 200 | 200.00 | 200.00 | 71.359 | 14.271.800 | 14.271.800 | 14.271 |
| 4.1.6 | Nivelación de la base | Metros cúbicos | 4.455 | 4.455.00 | 3.784.81 | 20.196 | 89.973.180 | 89.973.180 | 76.438 |
| 4.1.7 | Provisión, carga y colocación de colchones Reno tipo cala Zn+PVC H=0.30m | Metros cúbicos | 3.536 | 3.536.00 | 591.45 | 636.470 | 2.250.557.920 | 2.250.557.920 | 376.440 |
| 4.1.8 | Muro de Gaviones de piedra con malla metálica reforzada tipo cala Zn+PBC H=0.50m | Metros cúbicos | 804 | 804.00 | 804.00 | 505.066 | 406.073.064 | 406.073.064 | 406.073 |
| 4.1.9 | Muro de Gaviones de piedra con malla metálica reforzada tipo cala Zn+PBC H=1.00m | Metros cúbicos | 3.140 | 3.140.00 | 4.304.35 | 505.066 | 2.700.082.836 | 2.700.082.836 | 2.176.001 |
| 4.1.10 | Provisión y colocación de geotextil | Metros cuadrados | 9.430 | 9.430.00 | 11.500.00 | 11.444 | 107.916.920 | 107.916.920 | 131.606 |
| 4.1.11 | Relleno y compactación | Metros cúbicos | 11.546 | 11.546.00 | 14.538.25 | 107.117 | 1.236.772.882 | 1.236.772.882 | 1.558.446 |
| 4.1.12 | Obstáculos de anclaje | Unidad | 30 | 30.00 | 37.00 | 2.864.462 | 85.933.860 | 85.933.860 | 48.691 |
| 4.1.13 | Estructura de contención (ver Detalle 1) | Unidad | 6 | 6.00 | 6.00 | 18.129.728 | 108.778.368 | 108.778.368 | 108.778 |
| 4.1.14 | Cálculo estructural | Unidad Medida Global | 1 | 1.50 | 1.50 | 21.205.767 | 21.205.767 | 31.705.767 | 31.705 |
| 4.2 | Veredas | | | | | | | | |
| 4.2.1 | Excavación para base de veredas | Metros cúbicos | 289 | 289.00 | 867.86 | 51.096 | 14.766.744 | 14.766.744 | 44.344 |
| 4.2.2 | Relleno compactado base para veredas | Metros cúbicos | 289 | 289.00 | 867.86 | 107.117 | 30.956.813 | 30.956.813 | 92.962 |
| 4.2.3 | Piso tipo P1 baldosa de granito pulido antideslizante de 40 x 40 de color gris incluye junta de dilatación | Metros cuadrados | 267 | 267.00 | 2.010.00 | 106.365 | 28.399.455 | 28.399.455 | 213.793 |
| 4.2.4 | Piso tipo P2 baldosa de granito pulido antideslizante de 40 x 40 de color rojo incluye junta de dilatación borde de piscina | Metros cuadrados | 94 | 94.00 | - | 106.365 | 9.998.310 | 9.998.310 | - |
| 4.2.5 | Piso tipo Hormigón de 5 cm de espesor | Metros cuadrados | 866 | 866.00 | 866.00 | 209.628 | 181.618.248 | 181.618.248 | 181.618 |
| 4.2.6 | Reparación de muros linderos por daños de la obra | Metros cuadrados | 145 | 145.00 | 145.00 | 249.655 | 36.200.555 | 36.200.555 | 36.200 |
| 4.2.7 | Rampa para discapacitados | Unidad | 4 | 4.00 | - | 336.599 | 1.346.396 | 1.346.396 | - |
| 4.2.8 | Acarreo de escombros en contenedor o camión tumba | Unidad | 30 | 30.00 | 30.00 | 403.919 | 12.117.570 | 12.117.570 | 12.117 |
| 4.3 | Entibamiento de Veredas | | | | | | | | |
| 4.3.1 | Banqueta de Hormigón de 1.10 x 0.50 x 0.50 con terminación fina color hormigón natural | Unidad | 10 | 10.00 | 10.00 | 1.463.618 | 14.636.180 | 14.636.180 | 14.636 |
| 4.3.2 | Cerrito de Hormigón para Plantas o Arboles | Unidad | 16 | 16.00 | 16.00 | 3.903.981 | 62.447.696 | 62.447.696 | 62.447 |
| 4.3.3 | Plantación de Arboles y landinería | Unidad | 16 | 16.00 | 16.00 | 403.919 | 6.462.704 | 6.462.704 | 6.462 |
| 4.3.4 | Alumbrado publico con paneles solares 80 w auto-autonomos cada 10 mts de distancia (Seria Doble alumbrado a la calle y a la vereda ) | Unidad | 58 | 58.00 | - | 12.359.221 | 716.834.934 | 716.834.934 | - |
| 4.3.5 | Baranda Lineal de Protección de 1.20 de altura con tejido en su interior, pintado en color gris grafito con anti oxido | Metro lineal | 693 | 693.00 | 783.00 | 214.200 | 148.440.600 | 148.440.600 | 167.718 |
| 4.3.6 | Señalización vertical | Unidad | 8 | 8.00 | 8.00 | 969.406 | 7.755.248 | 7.755.248 | 7.755 |
| 4.3.7 | Acarreo de escombros en contenedor o camión tumba | Unidad | 30 | 30.00 | 30.00 | 403.919 | 12.117.570 | 12.117.570 | 12.117 |
| 4.4 | Entibamiento de Plaza | | | | | | | | |
| 4.4.1 | Preparación y nivelación para base de piso de plaza | Metros cúbicos | 198 | 198.00 | 330.00 | 100.643 | 19.927.314 | 19.927.314 | 33.212 |
| 4.4.2 | Contrapiso compactado base de piso para plaza | Metros cúbicos | 198 | 198.00 | 330.00 | 179.441 | 35.529.318 | 35.529.318 | 59.215 |
| 4.4.3 | Piso tipo Arena de 5 cm de espesor | Metros cuadrados | 198 | 198.00 | - | 100.643 | 19.927.314 | 19.927.314 | - |
| 4.4.4 | Emmastado de cantero y áreas verdes | Metros cúbicos | 31 | 31.00 | - | 33.660 | 1.043.460 | 1.043.460 | - |
| 4.4.5 | Banqueta de Hormigón de 1.50 x 0.50 x 0.50 con terminación fina color hormigón natural para Juegos de Madera | Unidad | 2 | 2.00 | - | 1.463.618 | 2.927.236 | 2.927.236 | - |
| 4.4.6 | Basurero Público | Unidad | 7 | 7.00 | 7.00 | 430.847 | 3.015.929 | 3.015.929 | 3.015 |
| 4.4.7 | Juegos Rondas Giratorias | Unidad | 1 | 1.00 | 1.00 | 3.908.933 | 3.908.933 | 3.908.933 | 3.908 |
| 4.4.8 | Juego de Escalerita con Pasamanos Alto | Unidad | 1 | 1.00 | 1.00 | 3.908.933 | 3.908.933 | 3.908.933 | 3.908 |
| 4.4.9 | Juegos Infantiles Hamaca simple | Unidad | 1 | 1.00 | 1.00 | 3.206.251 | 3.206.251 | 3.206.251 | 3.206 |
| 4.4.10 | Equipo para caminar antiético | Unidad | 2 | 2.00 | 1.00 | 6.967.609 | 13.935.218 | 13.935.218 | 6.967 |
| 4.4.11 | Equipo para abdominales antiético | Unidad | 2 | 2.00 | 1.00 | 10.064.324 | 20.128.648 | 20.128.648 | 10.064 |
| 4.4.12 | Equipo para dobura antiético | Unidad | 2 | 2.00 | 1.00 | 10.064.324 | 20.128.648 | 20.128.648 | 10.064 |
| 4.4.13 | Alumbrado publico, interno en la plaza | Unidad | 12 | 12.00 | - | 3.051.635 | 36.619.620 | 36.619.620 | - |
| 4.5 | Desagüe cloacal | | | | | | | | |
| 4.5.1 | Excavación estructural | Metros cúbicos | 384 | 384.00 | 384.00 | 25.548 | 9.810.432 | 9.810.432 | 9.810 |
| 4.5.2 | Camada de asiento de arena lavada | Metros cúbicos | 32 | 32.00 | 32.00 | 101.651 | 3.252.896 | 3.252.896 | 3.252 |
| 4.5.3 | Relleno y compactación con material de préstamo | Metros cúbicos | 352 | 352.00 | 352.00 | 107.117 | 37.705.184 | 37.705.184 | 37.705 |
| 4.5.4 | Colector cloacal de PVC - 200mm | Metro lineal | 400 | 400.00 | - | 249.084 | 99.633.600 | 99.633.600 | - |
| 4.5.5 | Registros de inspección cloacal | Unidad | 20 | 20.00 | 20.00 | 4.712.393 | 94.247.860 | 94.247.860 | 117.809 |
| 4.5.6 | Ramales domiciliarios para conexión cloacal | Unidad | 32 | 32.00 | 32.00 | 1.151.170 | 36.837.440 | 36.837.440 | 36.837 |
| 4.6 | Servicios Ambientales Tramo 3 | | | | | | | | |
| 4.6.1 | Especificaciones Técnicas Ambientales Generales-ETAGs | Unidad | 1 | 1.08 | 1.08 | 22.888.764 | 24.719.865 | 24.719.865 | 24.719 |
| 4.6.2 | Plan de Gestión Ambiental (PGA) | Unidad | 1 | 1.08 | 1.08 | 269.279.577 | 290.821.943 | 290.821.943 | 290.831 |
| 4.6.3 | Plan de Gestión Comunicacional | Unidad | 1 | 1.08 | 1.08 | 75.061.682 | 81.066.617 | 81.066.617 | 81.066 |
| 5 | Servicios Especializados | | | | | | | | |
| 5.1 | Servicios, Instalaciones e Insumos de las Instalaciones | Unidad Medida Global | 1 | 1.00 | 1.00 | 475.009.174 | 475.009.174 | 475.009.174 | 475.009 |
| 5.2 | Servicios Especializados | Unidad Medida Global | 1 | 1.00 | 1.16 | 1.170.000.000 | 1.170.000.000 | 1.170.000.000 | 1.357.200 |
| 6 | Mantenimiento de las obras | | | | | | | | |
| 6.1 | Limpieza y Mantenimiento durante el periodo de garantía | Unidad | 1 | 1.00 | 1.00 | 133.293.391 | 133.293.391 | 133.293.391 | 133.293 |
| 7 | Tramo 4 | | | | | | | | |
| 7.1 | Muros de gaviones laterales | | | | | | | | |
| 7.1.1 | Excavación estructural | Metros cúbicos | 0 | 3.686.20 | 3.686.20 | 25.548 | - | 94.175.038 | 94.175.038 |
| 7.1.2 | Excavación para asiento de anclajes y colchones reno - roca | Metros cúbicos | 0 | 642.00 | 642.00 | 25.548 | - | 16.401.816 | 16.401.816 |
| 7.1.3 | Retiro y disposición final del material | Metros cúbicos | 0 | 3.686.20 | 3.686.20 | 30.299 | - | 111.688.174 | 111.688.174 |
| 7.1.4 | Nivelación de la base | Metros cúbicos | 0 | 642.00 | 642.00 | 20.196 | - | 12.965.832 | 12.965.832 |
| 7.1.5 | Provisión, carga y colocación de colchones Reno tipo cala Zn+PVC | Metros cúbicos | 0 | 312.20 | 312.20 | 636.470 | - | 198.705.934 | 198.705.934 |
| 7.1.6 | Muro de Gaviones de piedra con malla metálica reforzada tipo cala Zn+PBC H=1.00m | Metros cúbicos | 0 | 3.029.20 | 3.029.20 | 505.066 | - | 1.529.945.927 | 1.529.945.927 |
| 7.1.7 | Provisión y colocación de geotextil | Metros cuadrados | 0 | 4.315.00 | 4.315.00 | 11.444 | - | 49.380.860 | 49.380.860 |
| 7.1.8 | Relleno y compactación | Metros cúbicos | 0 | 6.024.73 | 6.024.73 | 107.117 | - | 645.350.822 | 645.350.822 |
| 7.1.9 | Acarreo de escombros en contenedor o camión tumba | Unidad | 0 | 87.00 | 87.00 | 403.919 | - | 35.140.953 | 35.140.953 |
| 7.1.10 | Colector cloacal de PVC - 110mm | Metro lineal | 0 | 60.00 | 60.00 | 226.195 | - | 13.571.700 | 13.571.700 |
| 7.1.11 | Colector cloacal de PVC - 200mm | Metro lineal | 0 | 30.00 | 30.00 | 249.084 | - | 7.472.520 | 7.472.520 |
| 7.1.12 | Emmastado de cantero y áreas verdes | Metros cuadrados | 0 | [illegible] | [illegible] | [illegible] | - | [illegible] | [illegible] |

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| ...iacion ...to al (C.M.1) | % de Variación respecto al Contrato (C.M.2) | INCIDENCIA (% TOTAL) | MES 1 | MES 2 | MES 3 | MES 4 | MES 5 | MES 6 | MES 7 | MES 8 | MES 9 | MES 10 | MES 11 | MES 12 | MES 13 | MES 14 | MES 15 | MES 16 | MES 17 | MES 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0% | 158% | 0.4700% | | | | | | | | | | | | | 15.00% | 25.00% | 25.00% | 30.00% | 5.00% | |
| 0% | 0% | 0.1300% | | | | | | | | | | | | | 15.00% | 25.00% | 25.00% | 30.00% | 5.00% | |
| | | 0.0000% | | | | | | | | | | | | | 25.00% | 20.00% | 20.00% | 15.00% | 15.00% | 5.00% |
| 0% | 0% | 0.0670% | | | | | | | | | | | | | 25.00% | 20.00% | 20.00% | 15.00% | 15.00% | 5.00% |
| 0% | 0% | 0.7830% | | | | | | | | | | | | | 25.00% | 20.00% | 20.00% | 15.00% | 15.00% | 5.00% |
| 0% | 0% | 0.7180% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 8% | 3.6800% | | | | | | | 20.00% | 20.00% | 15.00% | 15.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.0550% | | | | | | | 20.00% | 20.00% | 15.00% | 15.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.6600% | | | | | | | 20.00% | 20.00% | 15.00% | 15.00% | 15.00% | 15.00% | | | | | | |
| 0% | 82% | 0.3040% | | | | | | | 20.00% | 20.00% | 15.00% | 15.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.0800% | | | | | | | 20.00% | 20.00% | 15.00% | 15.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.1260% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 147% | 1.1310% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | -100% | 0.0000% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.5730% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 213% | 4.5200% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.7970% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 5.4500% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | -13% | 4.8970% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | -33% | 0.4300% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 333% | 0.3650% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.0620% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 0.0340% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.0400% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.0480% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.2110% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.3360% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | -100% | 0.0000% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | -63% | 0.3210% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 2.5300% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| 0% | 0% | 0.2160% | | | | | | | | | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | |
| 0% | 0% | 0.0550% | | | | | | | 15.00% | 15.00% | 20.00% | 20.00% | 15.00% | 15.00% | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 103% | 0.0230% | | | | | | | | | | 25.00% | 50.00% | 25.00% | | | | | | |
| 0% | 0% | 0.3020% | | | | | | | | | | 25.00% | 50.00% | 25.00% | | | | | | |
| 0% | 0% | 0.0100% | | | | | | | | | | 25.00% | 50.00% | 25.00% | | | | | | |
| 0% | 0% | 0.0310% | | | | | | | | | | 25.00% | 50.00% | 25.00% | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 0.0430% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0130% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0230% | | | | | | | | | | 25.00% | 50.00% | 25.00% | | | | | | |
| 0% | 0% | 0.0150% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | |
| 0% | 0% | 0.1350% | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | |
| 0% | 0% | 0.0150% | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | |
| 0% | 0% | 0.1780% | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | |
| 0% | 0% | 0.4710% | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | |
| 0% | 0% | 0.1780% | | | | | | | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | |
| 0% | 0% | 0.1810% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 0.0070% | | | | | | | 25.00% | 25.00% | 30.00% | 10.00% | 10.00% | 10.00% | | | | | | |
| 0% | 0% | 0.7830% | | | | | | | 25.00% | 15.00% | 30.00% | 10.00% | 10.00% | 10.00% | | | | | | |
| 0% | 0% | 0.7180% | | | | | | | 25.00% | 15.00% | 30.00% | 10.00% | 10.00% | 10.00% | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 2% | 0.7740% | 10.00% | 20.00% | 20.00% | 20.00% | 20.00% | 10.00% | | | | | | | | | | | | |
| 0% | -17% | 0.1500% | 10.00% | 20.00% | 20.00% | 20.00% | 20.00% | 10.00% | | | | | | | | | | | | |
| 0% | -96% | 0.0070% | | 10.00% | 20.00% | 20.00% | 20.00% | 10.00% | | | | | | | | | | | | |
| 0% | 0% | 0.1900% | | 30.00% | 20.00% | 20.00% | 20.00% | 10.00% | | | | | | | | | | | | |
| 0% | 0% | 0.0610% | 10.00% | 20.00% | 20.00% | 20.00% | 20.00% | 10.00% | | | | | | | | | | | | |
| 0% | -15% | 0.2220% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | 83% | 1.0940% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | 0% | 1.1810% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | -19% | 0.3200% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | 22% | 0.3630% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | 26% | 4.5140% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | -43% | 0.1420% | | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 0% | 0% | 0.3160% | | 30.00% | 20.00% | 20.00% | 20.00% | 20.00% | | | | | | | | | | | | |
| 50% | 50% | 0.0300% | 40.00% | 20.00% | 40.00% | 50.00% | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 200% | 0.1290% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | 200% | 0.2100% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | 653% | 0.6220% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | 0% | 0.5260% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | 0% | 0.1000% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| 0% | 0% | 0.0350% | | | | 25.00% | 50.00% | 25.00% | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 0.0610% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | 0% | 0.1820% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | 0% | 0.0150% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 15% | 0.4800% | | | | 25.00% | 25.00% | 50.00% | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0230% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | 0% | 0.0310% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | 67% | 0.0970% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | 67% | 0.1730% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | | | 50.00% | 50.00% | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0090% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0110% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0110% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | 0% | 0.0090% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | -50% | 0.0300% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | -50% | 0.0290% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | -50% | 0.0290% | | | | | | | | | | | | | | | 50.00% | 50.00% | | |
| 0% | -100% | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 0.0290% | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | | | | | | | |
| 0% | 0% | 0.0090% | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | | | | | | | |
| 0% | 0% | 0.1100% | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | | | | | | | |
| 0% | -100% | 0.0000% | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | | | | | | | |
| 0% | 25% | 0.3420% | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | | | | | | | |
| 0% | 0% | 0.3020% | | | 25.00% | 25.00% | 25.00% | 25.00% | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 8% | 8% | 0.0720% | 30.00% | 30.00% | 30.00% | 10.00% | 10.00% | 10.00% | | | | | | | | | | | | |
| 8% | 8% | 0.8450% | 30.00% | 30.00% | 30.00% | 10.00% | 10.00% | 10.00% | | | | | | | | | | | | |
| 8% | 8% | 0.2360% | 25.00% | 15.00% | 30.00% | 10.00% | 10.00% | 10.00% | 8.00% | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 1.3410% | 40.00% | 15.00% | 10.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 1.00% |
| 0% | 16% | 3.9600% | 10.00% | 15.00% | 15.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 7.00% | 10.00% | 10.00% | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 0% | 0% | 0.3800% | | | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 10.00% |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| | | 0.0000% | | | | | | | | | | | | | | | | | | |
| 100% | 100% | 0.2740% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.0430% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.3250% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.0180% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.5780% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 4.4400% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.1600% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 1.3760% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.1020% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.0190% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |
| 100% | 100% | 0.0720% | | | | | 50.00% | 50.00% | | | | | | | | | | | | |

Ing. SERGIO R. SAMUDIO BAEZ
Representante Legal

**CONTRATISTA**
**CONSORCIO CTN**
Quesada N° 4493 esq. Seravi

Tel: 021 662 948

Email: construparss@construpar.com.py

**MINISTERIO DE OBRAS PÚBLICAS Y COMUNICACIONES**
**COORDINACIÓN DE PROYECTOS DE AGUA POTABLE, SANEAMIENTO Y OBRAS HIDRAULICAS**
**CONTRATO S.G. MINISTRO N° 323/2020**

OBRA: LICITACIÓN PUBLICA NACIONAL FIRMAS CONSTRUCTORAS PARA MEJORAMIENTO DEL ARROYO SOSA DE LA CIUDAD DE LAMBARE - SEGUNDA ETAPA con ID: 370976

| | | |
|---|---|---|
| RESOLUCIÓN MINISTERIAL N°: | 57/2020 | 12/13/2019 |
| FECHA DE CONTRATO: | 44.090.00 | 2/11/2020 |
| MONTO ORIGINAL(CON IVA) :Gs. | 34.997.466.968,00 | 18 meses |

FIS

| Item | Descripción del Bien | Unidad de Medida | CANTIDADES | | | Precio unitario | PRECIO TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Cantidad Contractual | C.M.1 | C.M.2 | C.M.2 | CONTRACTUAL | C.M.1 | C.M.2 |
| 7.2.4 | Piso piso Hormigón de 5 cm de espesor | Metro cuadrado | 0 | 300.46 | 300.46 | 209.018 | - | 62.804.553 | 62.80 |
| 8 | ITEMS NUEVOS POR TRAMOS | | | | | | | | |
| 8.1 | TRAMO 1 | | | | | | | | |
| 8.1.1 | Escalones | Unidad | | | 56 | 141.759 | - | - | 7.93 |
| 8.1.2 | Alcantarilla celular de 1.00x1.00m con suministro sobre calle camalote | Unidad Medida Global | | | 1 | 61.921.103 | - | - | 61.92 |
| 8.1.3 | Suministro transversal con rejillas de perfiles IPN - calle camalote | Unidad Medida Global | | | 1 | 26.144.496 | - | - | 26.14 |
| 8.1.4 | Suministro transversal con rejilla sinsamaño D=600 tramo 1 | Unidad Medida Global | | | 1 | 84.015.020 | - | - | 84.01 |
| 8.1.5 | Piso de hormigón, escalera y rampa tramo 1 | Metros cuadrados | | | 21 | 6.247.421 | - | - | 6.24 |
| 8.1.6 | Mamposteria de ladrillo común espesor 0.15 cm | Unidad | | | 18 | 104.438 | - | - | 2.13 |
| 8.1.7 | Alumbrado público | unidad | | | 150.00 | 9.649.247 | - | - | 173.68 |
| 8.1.8 | Suministro lateral | Metros cúbicos | | | 560.00 | 13.610.442 | - | - | 195.83 |
| 8.1.9 | Hormigón ciclópeo para muros finalecos | metro lineal | | | 275.00 | 832.196 | - | - | 124.8 |
| 8.1.10 | Desague cloacal de PVC - 160mm | metro lineal | | | 275.00 | 166.824 | - | - | 93.4 |
| 8.1.11 | Caño de 2 pulgadas para distribución de agua potable | Metros cúbicos | | | 27.50 | 316.588 | - | - | 59.3 |
| 8.1.12 | Excavación para tuberías, ancho de 2 pulgadas | Metros cúbicos | | | 247.50 | 76.644 | - | - | 21.0 |
| 8.1.13 | Camada de asiento de arena lavada, ancho de 2 pulgadas | Metros cúbicos | | | 45.60 | 101.653 | - | - | 2.7 |
| 8.1.14 | Relleno y compactación, ancho de 2 pulgadas | metro lineal | | | 11.40 | 107.117 | - | - | 26.5 |
| 8.1.15 | Caño de 3/4 pulgadas para distribución de agua potable | Metros cúbicos | | | 2.28 | 104.484 | - | - | 4.7 |
| 8.1.16 | Excavación para tuberías, ancho de 3/4 pulgadas | Metros cúbicos | | | 20.52 | 76.644 | - | - | 8 |
| 8.1.17 | Camada de asiento de arena lavada, ancho de 3/4 pulgadas | Metros cúbicos | | | 270 | 101.653 | - | - | 2.1 |
| 8.1.18 | Relleno y compactación, ancho de 3/4 pulgadas | Metros cuadrados | | | | 107.117 | - | - | 9.6 |
| 8.1.19 | Empastado de canteros y áreas verdes | | | | 1 | 33.660 | | | |
| 8.2 | TRAMO 2 | | | | | | | | |
| 8.2.1 | Suministro lateral | unidad | | - | 240.00 | 13.610.442 | - | - | 13 |
| 8.2.2 | Pavimento de Calle de 7.20 de ancho x 20 cm de espesor | Metros cúbicos | | - | 18.00 | 1.603.351 | - | - | 289 |
| 8.2.3 | Colector cloacal de PVC - 300mm | Metro lineal | | | 4.900.00 | 567.556 | | - | 10 |
| 8.2.4 | Pavimento asfáltico | metros cuadrados | | | 1.400 | 179.884 | | - | 852 |
| 8.2.5 | Empastado de canteros y áreas verdes | Metros cuadrados | | | 1 | 33.660 | | - | 47 |
| 8.2.6 | Muro de contención | global | | | | 170.000.000 | | - | 170 |
| 8.3 | TRAMO 3 | | | | 2 | 54.036.596 | - | - | 108 |
| 8.3.1 | Puentes peatonales | Unidad | | | 1 | 94.697.331 | - | - | 94 |
| 8.3.2 | Rampas peatonal - TRAMO 3A | Unidad Medida Global | | | 1 | 309.237.338 | - | - | 309 |
| 8.3.3 | Rampa peatonal - TRAMO 3B | Unidad Medida Global | | | 27 | 9.649.247 | - | - | 5 |
| 8.3.4 | Alumbrado público | Unidad | | | 80 | 113.133 | - | - | 3 |
| 8.3.5 | Tablado de alambre con postes de hormigón | Metro lineal | | | 200 | 184.144 | - | - | 3 |
| 8.3.6 | Cordón de Hormigón alto de talud | Metro lineal | | | 80 | 201.233 | - | - | 2 |
| 8.3.7 | Cordón cunetas | Metro lineal | | | 1.00 | 25.901.260 | - | - | 2 |
| 8.3.8 | ESCALERA METÁLICA - TRAMO 3A | Unidad Medida Global | | | 1.00 | 23.931.380 | - | - | 1 |
| 8.3.9 | ESCALERA METÁLICA - TRAMO 3B | Unidad Medida Global | | | 1.00 | 11.634.173 | - | - | 1 |
| 8.3.10 | Escalera metálica para conexión a vivienda Tramo 3B - tanderño | Unidad Medida Global | | | 1.00 | 17.197.948 | - | - | |
| 8.3.11 | Escaleras metálicas para conexión de vecinos Tramo 3B tanderño | Unidad Medida Global | | | 25 | 141.759 | - | - | 11 |
| 8.3.12 | Escalones | Unidad | | | 80 | 1.422.101 | - | - | 1 |
| 8.3.13 | Muros especiales en sectores con poca accesibilidad | Metros cúbicos | | | 55.00 | 1.663.251 | - | - | |
| 8.3.14 | Pavimento de Calle de 7.20 de ancho x 20 cm de espesor | Metros cúbicos | | | 1.00 | 20.818.371 | - | - | |
| 8.3.15 | Terraplenaciones en general de escalones y escaleras fondos hasta el canal | Unidad Medida Global | | | 49.00 | 1.933.051 | - | - | |
| 8.3.16 | Plataforma de acceso a rampas, escalera y unión con base del muro | Metros cuadrados | | | 10 | 2.436.487 | - | - | 1 |
| 8.3.17 | Canales con flujo escalonado | unidad | | | 1.100 | 143.083 | - | - | |
| 8.3.18 | Dique temporal del arroyo para elaboración de estructura de protección de fondo y pie de taludes | Metros cuadrados | | | 1.100 | 85.728 | - | - | 4 |
| 8.3.19 | Profundización y readaptación de fondo de canal | Metros cuadrados | | | 242 | 1.716.073 | - | - | |
| 8.3.20 | Estructura de protección de fondo de canal y pie de muros | Metros cúbicos | | | 1.100 | 33.660 | - | - | |
| 8.3.21 | Empastado de canteros y áreas verdes | Metros cuadrados | | | | | - | - | 3 |
| 8.4 | Compensaciones | | | | 1 | 376.302.165 | - | - | 8 |
| 8.4.1 | Alquileres de viviendas temporales a familias afectadas | global | | | 1 | 895.745.732 | - | - | 6 |
| 8.4.2 | Compensaciones sociales | global | | | 587.79 | 1.092.229 | | | |
| 8.4.3 | Pavimento asfáltico sobre empedrado | tonelada | | | | | 34.997.466.968 | 37.548.092.634 | 40.417 |

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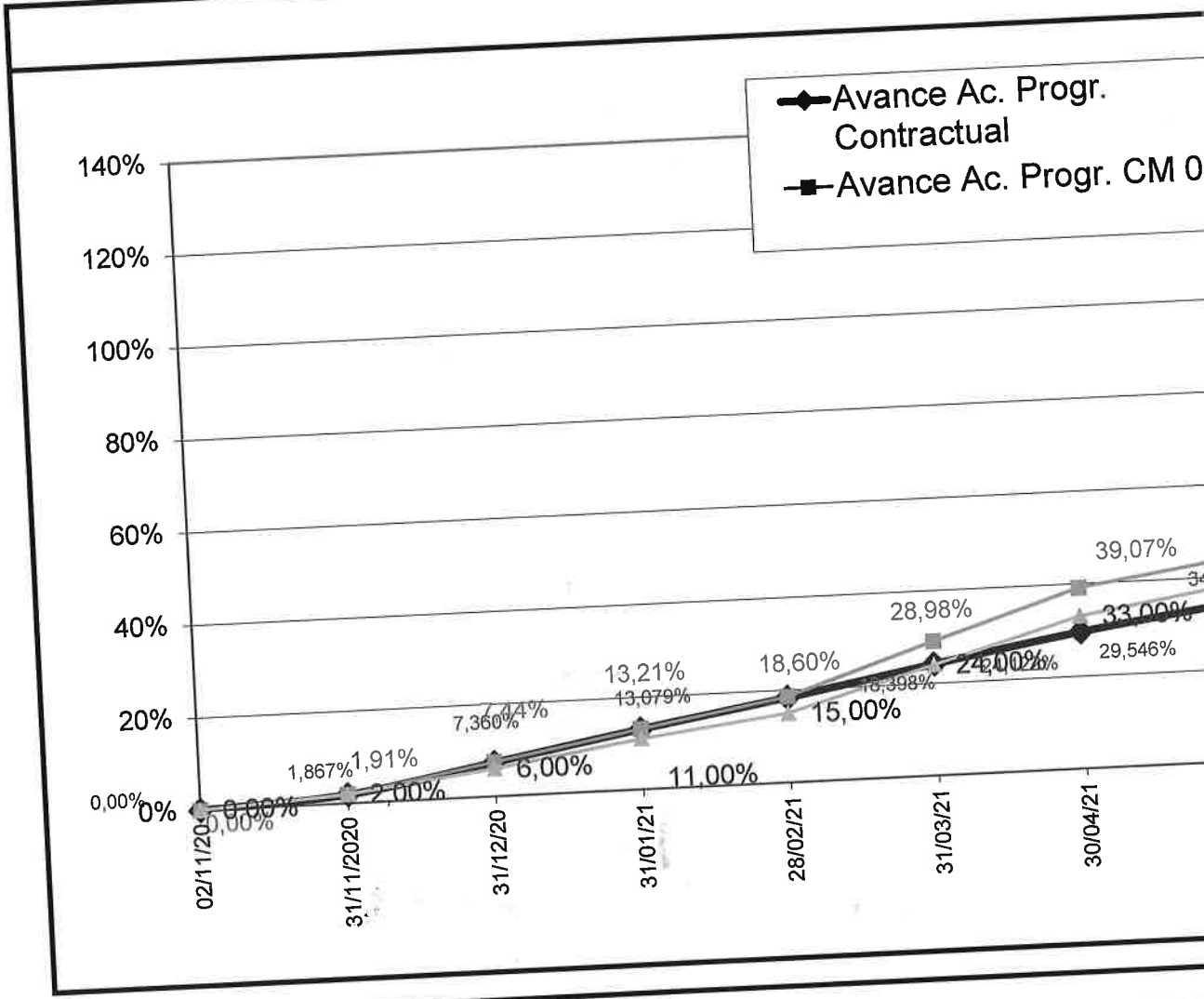
IÓN: CAPSOH-MOPC

| Variacion respecto al Contrato (C.M.1) | % de Variación respecto al Contrato (C.M.2) | INCIDENCIA (% TOTAL) | MES 1 | MES 2 | MES 3 | MES 4 | MES 5 | MES 6 | MES 7 | MES 8 | MES 9 | MES 10 | MES 11 | MES 12 | MES 13 | MES 14 | MES 15 | MES 16 | MES 17 | MES 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100% | 100% | 0.1830% | | | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 6.00% | 10.00% |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 0% | 100% | 0.0210% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.1800% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.0760% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.2460% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.0180% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.0060% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.5060% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.8310% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.1630% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.2730% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.1730% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0610% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0080% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0730% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0140% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0030% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0010% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0060% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0360% | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.0400% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 1.1600% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.0390% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 3.4720% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.1370% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.4940% | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.9140% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.2750% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.3300% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.2570% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0100% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.1070% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0580% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0750% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0700% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0140% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0900% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.5150% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.3310% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.2620% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0610% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.2750% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.0710% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.4590% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 0.3740% | | | | | | | | | | | | | 100.00% | | | | | |
| 0% | 100% | 1.3150% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 0.1080% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| | | | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 1.0940% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 3.6540% | | | | | | | | | | | | | 50.00% | 50.00% | | | | |
| 0% | 100% | 1.8000% | | | | | | | | | | | | | | | | | | |
| **9.16%** | **17.50%** | 117.50% | | | | | | | | | | | | | | | | | | |

Ing. SERGIO R. SAMUDIO BAEZ
Representante Legal

| CONTRATISTA<br>CONSORCIO CTN | Ministerio<br><br>Llamado MO |
|---|---|




| Curva de Avance Físico - Financiero | O. INICIO | MES 1 | MES 2 | MES 3 | MES 4 | MI |
|---|---|---|---|---|---|---|
| Fecha de Cierre | 02/11/20 | 31/11/2020 | 31/12/20 | 31/01/21 | 28/02/21 | 31/ |
| Avance Ac. Progr. CM 01 | 0,00% | 1,91% | 7,44% | 13,21% | 18,60% | 28 |
| Avance Ac. Progr. CM 02 | 0,00% | 2,00% | 6,00% | 11,00% | 15,00% | 24 |
| Avance Ac. Progr. Contractual | 0,00% | 1,867% | 7,360% | 13,079% | 18,398% | 24 |

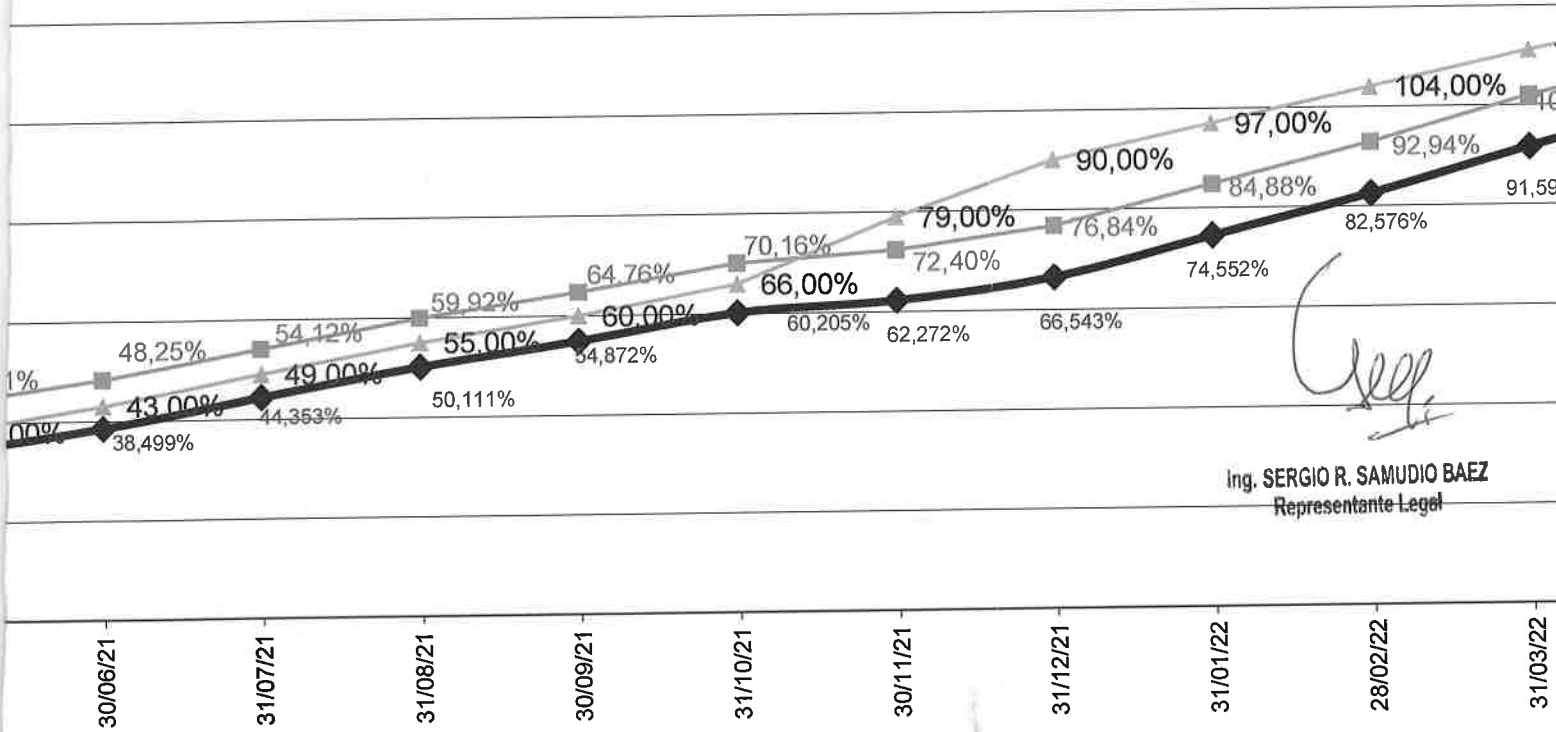
# M.O.P.C.

**Obras Públicas y Comunicaciones**

**LICITACIÓN PUBLICA NACIONAL FIRMAS CONSTRUCTOR**
**MEJORAMIENTO DEL ARROYO SOSA DE LA CIUDAD DE**
**SEGUNDA ETAPA**

**NOVIEMBRE**

**Nº:/2020** **ID: 370.373** **Año: 2.021**




Ing. SERGIO R. SAMUDIO BAEZ
Representante Legal

| MES 6 | MES 7 | MES 8 | MES 9 | MES 10 | MES 11 | MES 12 | MES 13 | MES 14 | MES 15 | MES 16 | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30/04/21 | 31/05/21 | 30/06/21 | 31/07/21 | 31/08/21 | 30/09/21 | 31/10/21 | 30/11/21 | 31/12/21 | 31/01/22 | 28/02/22 | 31 |
| **39,07%** | **43,81%** | **48,25%** | **54,12%** | **59,92%** | **64,76%** | **70,16%** | **72,40%** | **76,84%** | **84,88%** | **92,94%** | **10** |
| **33,00%** | **38,00%** | **43,00%** | **49,00%** | **55,00%** | **60,00%** | **66,00%** | **79,00%** | **90,00%** | **97,00%** | **104,00%** | **11** |
| 29,546% | 34,073% | 38,499% | 44,353% | 50,111% | 54,872% | 60,205% | 62,272% | 66,543% | 74,552% | 82,576% | 91 |