# ANEXO 4

# CORNOGRAMA Y CIRVA DE AVANCE FÍSICO - FINANCIERO

EMPRESA
1 4 DE JULIO S.A.

CONVENIO MODIFICATORIO

## Cronograma Físico

### Programado-Ejecutado-Teórico ej

| Certificado Nº | Meses | Avance Acumulado | | | |
|---|---|---|---|---|---|
| | | Programado | Convenio Modificatorio Nº 1 | Convenio Modificatorio Nº 2 | Ejecutado |
| 1 | jun-18 | 1,54% | 1,40% | 1,29% | |
| 2 | jul-18 | 3,12% | 2,78% | 2,62% | |
| 3 | ago-18 | 5,71% | 5,87% | 5,69% | |
| 4 | sept-18 | 6,84% | 5,94% | 5,66% | |
| 5 | oct-18 | 8,47% | 7,07% | 6,60% | |
| 6 | nov-18 | 9,77% | 7,07% | 6,60% | |
| 7 | dic-18 | 12,95% | 6,71% | 6,43% | |
| 8 | ene-19 | 13,64% | 7,47% | 6,68% | |
| 9 | feb-19 | 12,77% | 7,42% | 6,53% | |
| 10 | mar-19 | 12,14% | 7,91% | 7,98% | |
| 11 | abr-19 | 10,39% | 7,96% | 7,64% | |
| 12 | may-19 | 2,65% | 9,39% | 7,14% | |
| 13 | jun-19 | 0,00% | 8,35% | 4,11% | |
| 14 | jul-19 | 0,00% | 14,65% | 4,47% | |
| 15 | ago-19 | 0,00% | 0,00% | 4,71% | |
| 16 | sept-19 | 0,00% | 0,00% | 5,91% | |
| 17 | oct-19 | 0,00% | 0,00% | 5,84% | |
| 18 | nov-19 | 0,00% | 0,00% | 23,79% | |

| | jun-18 | jul-18 | ago-18 | sept-18 | oct-18 | nov-18 | dic-18 | ene-19 |
|---|---|---|---|---|---|---|---|---|
| Programado | 1,29% | 2,62% | 5,69% | 5,66% | 6,60% | 6,60% | 6,43% | 6,68% |
| Programado Acumulado | 1,29% | 3,91% | 9,61% | 15,27% | 21,87% | 28,47% | 34,90% | 41,58% |
| Ejecutado | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% |
| Ejecutado acumulado | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% |
| **% teorico ejec. Acumulado debido a lluvia** | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% |

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## - Financiero

## cutado corregido por lluvias

| | | Avance Teorico Debido a lluvia | | | |
|---|---|---|---|---|---|
| Diferencia | % ejec. Sobre el Programado | Dias de Lluvia | % no ejec. En el Mes debido a lluvia | % Teorico ejec. Del mes debido a lluvia | % teorico ejec. Acumulado debido a lluvia |
| | | | | | |

| feb-19 | mar-19 | abr-19 | may-19 | jun-19 | jul-19 | ago-19 | sept-19 | oct-19 | nov-19 |
|---|---|---|---|---|---|---|---|---|---|
| 6,53% | 7,98% | 7,64% | 7,14% | 4,11% | 4,47% | 4,71% | 5,91% | 5,84% | 23,79% |
| 48,11% | 56,09% | 63,73% | 70,86% | 74,98% | 79,44% | 84,16% | 90,07% | 95,90% | 119,70% |
| 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% |
| 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% |
| 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% | 0,00% |

Ramón Vera
Julio S.A.

ING. JORGE D. BECKER
Fiscal - M.O.P.C.

EMPRESA CONVENIO PAVIMENTACIÓN DEL TRAMO

**CURVA Físico Financiero**

**PRORROGA DE PLAZO POR CONVENIO MODIFICATORIO N°2**

**Llamado MOPC Nº 119/2017 Licitación Pública Nacional de Empresas Constructoras para la Pavimentación del Tr**

## 14 DE JULIO S.A.

| | Mes 1 | Mes 2 | Mes 3 | Mes 4 | Mes 5 | Mes 6 | Mes 7 |
|---|---|---|---|---|---|---|---|
| | jun.-18 | jul.-18 | ago.-18 | sep.-18 | oct.-18 | nov.-18 | dic.-18 |
| Desbroce, despeje y limpieza | 30% | 30% | 30% | 10% | | | |
| Excavación no clasificada | | | 10% | 15% | 20% | 20% | 20% |
| Excavación de zanjas de drenaje | | | | 5% | 15% | 20% | 20% |
| Terraplen | | | 20% | 15% | 15% | 15% | 15% |
| Alcantarilla celular simple 1,00 m x 1,00 m | | | 25% | 20% | 15% | 15% | 15% |
| Alcantarilla celular simple 1,50 m x 1,50 m | | | 25% | 20% | 15% | 15% | 15% |
| Cabeceras de H° A° para alcantarillas celulares | | | 25% | 20% | 15% | 15% | 15% |
| Plateas de H° simple para alcantarilla celular | | | 25% | 20% | 15% | 15% | 15% |
| Relleno granular | | | 15% | 20% | 15% | 15% | 15% |
| Cuneta revestida de hormigón | | | | | 15% | 15% | 10% |
| Macadam Hidraulico | | | | | 5% | 10% | 10% |
| Carpeta de C°A° | | | | | | 10% | 10% |
| Riego de imprimación | | | | | | | 10% |
| Riego de Liga | | | | 20% | 15% | 10% | 10% |
| Regularización con Concreto Asfáltico | | | | | | | |
| Construcción de alambrado | | | | | | | |
| Señalización Vertical | | | | | | 10% | 15% |
| Señalización Horizontal | | | | | | | |
| Empastado | | | | | | | |
| Baranda de defensa metalica | | 20% | 20% | 20% | 20% | 20% | |
| Traslado de columnas de Hormigón | | 20% | 20% | 20% | 15% | 15% | 10% |
| Traslado de columnas de Madera | | | 20% | 20% | 20% | 20% | 20% |
| Mamposteria de PBC | 50% | 50% | | | | | |
| Movilización | | 7% | 7% | 7% | 7% | 7% | 7% |
| Instalaciones Especiales | | 15% | 25% | 25% | 15% | 10% | 10% |
| Traslado de cañerias de agua potable de 1 1/2" | | 20% | 25% | 20% | 15% | 10% | 10% |
| Traslado de cañerias de agua potable de 2" | | 15% | 25% | 25% | 15% | 10% | 10% |
| Traslado de cañerias de agua potable de 3" | | 100% | | | | | |
| Cartel de Obra | | | | | | | |
| Losa de H°A° en acceso a propiedades | | | | | | | |
| **% de Ejecucion Mensual** | 1,29% | 2,62% | 5,69% | 5,66% | 6,60% | 6,60% | 6,43% |
| **% de Ejecucion Acumulado** | 1,29% | 3,91% | 9,61% | 15,27% | 21,87% | 28,47% | 34,90% |

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o Vial de Acceso a Arrúa'i

| Mes 8 | Mes 9 | Mes 10 | Mes 11 | Mes 12 | Mes 13 | Mes 14 | Mes 15 | Mes 16 | Mes 17 | Mes 18 |
|---|---|---|---|---|---|---|---|---|---|---|
| ene.-19 | feb.-19 | mar.-19 | abr.-19 | may.-19 | jun.-19 | jul.-19 | ago.-19 | sep.-19 | oct.-19 | nov.-19 |
| 15% | | | | | | | | | | |
| 25% | 15% | | | | | | | | | |
| 20% | | | | | | | | | | |
| 10% | | | | | | | | | | |
| 10% | | | | | | | | | | |
| 10% | | | | | | | | | | |
| 10% | | | | | | | | | | |
| 20% | | | | | | | | | | |
| 5% | 5% | 12% | 13% | 15% | 10% | 10% | 10% | 15% | 5% | |
| 25% | 30% | 5% | | | | | | | | |
| | | 20% | 20% | 15% | 5% | 10% | 10% | 10% | 10% | |
| 10% | 10% | 10% | 10% | 15% | 10% | 5% | 5% | | | |
| 10% | 10% | 10% | 10% | 10% | 10% | 5% | 5% | 5% | 5% | |
| 10% | 20% | 10% | 15% | 15% | 15% | 5% | | | | |
| 10% | 30% | 5% | | | | | | | | |
| | | | | | | | | | 50% | 50% |
| 25% | 25% | 15% | 10% | | | | | | 50% | 50% |
| | | | | | | | 20% | 30% | 5% | 45% |
| 6% | 6% | 6% | 6% | 5% | 5% | 5% | 3% | 3% | 3% | 10% |
| | | | | | | | | | 50% | 50% |
| 6,68% | 6,53% | 7,98% | 7,64% | 7,14% | 4,11% | 4,47% | 4,71% | 5,91% | 5,84% | 23,79% |
| 41,58% | 48,11% | 56,09% | 63,73% | 70,86% | 74,98% | 79,44% | 84,16% | 90,07% | 95,90% | 119,70% |

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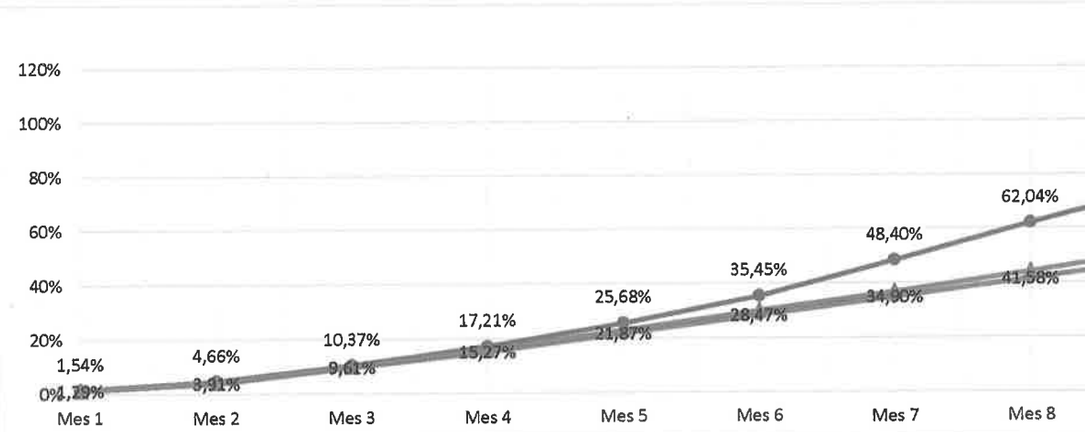
S.A.

**PRORROGA DE**

**Llamado MOPC Nº 119/2017 Licitación Pública Nacional de Empresas Constructoras**




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CONTRACTUAL** | 1,54% | 4,66% | 10,37% | 17,21% | 25,68% | 35,45% | 48,40% | 62,04% |
| **CONVENIO N° 1** | 1,40% | 4,18% | 10,05% | 15,99% | 23,06% | 30,13% | 36,84% | 44,30% |
| **CONVENIO N° 2** | 1,29% | 3,91% | 9,61% | 15,27% | 21,87% | 28,47% | 34,90% | 41,58% |

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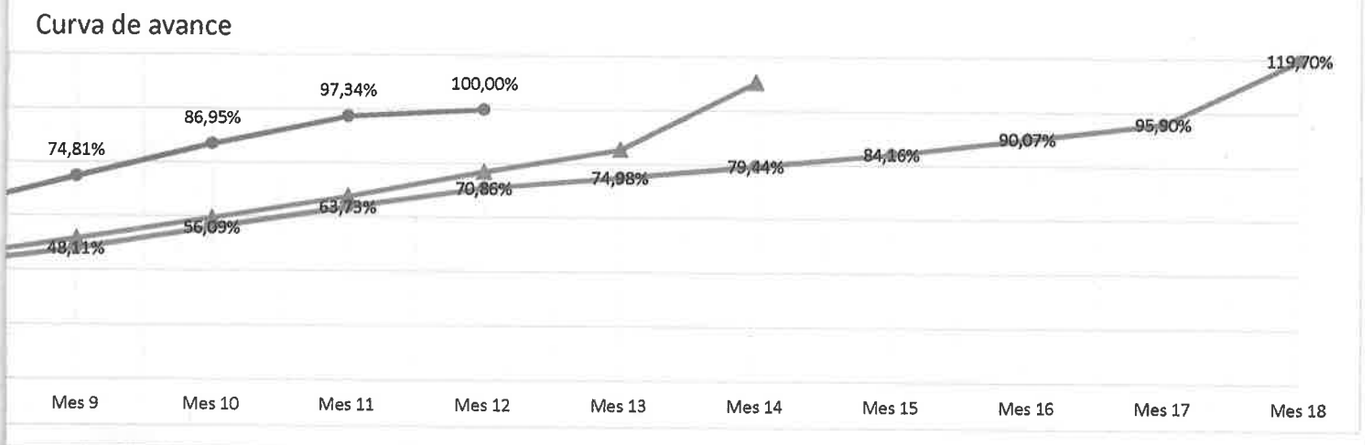
**CURVA Físico Financiero**
**PLAZO POR CONVENIO MODIFICATORIO N°2**
**para la Pavimentación del Tramo Vial de Acceso a Arrúa'i**
***14 DE JULIO S.A.***




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 74,81% | 86,95% | 97,34% | 100,00% | | | | | | |
| 51,72% | 59,64% | 67,60% | 76,99% | 85,34% | 110,52% | | | | |
| 48,11% | 56,09% | 63,73% | 70,86% | 74,98% | 79,44% | 84,16% | 90,07% | 95,90% | 119,70% |

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