

REF: LICITACIÓN PÚBLICA INTERNACIONAL N° 03/2025 - "READECUACION DE OBRA BÁSICA Y CALZADA PAVIMENTADA PARA DUPLICACION DE CALZADA EN RUTA PROVINCIAL N° 67 TRAMO: Empalme Autovía Norte-Empalme Ruta Provincial N° 51 - SECCION: Progresiva 0+000 - Prog 19+000- SEGUNDA CALZADA" Provincia Del Neuquén.

CIRCULAR CON CONSULTA N° 03 - ACLARATORIA

Por medio de la presente, en el marco de las facultades asignadas mediante RESOLUCIÓN CONJUNTA UPEFE N° 213/25, en razón de las consultas recibidas y lo informado por la Dirección Provincial de Planificación en su Nota NO-2025-01718346-NEU-PLPRES#UPEFE y NO-2025-01718344-NEU-PLPRES#UPEFE, se emite la presente circular a fin de dar respuesta.

Consulta N° 3: "Solicito por este medio las planillas de movimiento de suelos y

La de cálculos auxiliares, para el estudio técnico de la obra de referencia"

Respuesta: Se informa que las planillas de movimiento de suelos y los cálculos auxiliares solicitados serán adjuntados como archivo embebido al presente, con el objetivo de facilitar el análisis técnico requerido para la elaboración de la oferta.

OBRA: READECUACION DE OBA BASICA Y CALZADA PAVIMENTADA PARA DUPLICACION DE CALZADA EN RUTA PROVINCIAL N° 67**TRAMO: Empalme Autovía Norte-Empalme Ruta Provincial Nro 51****SECCION: Progresiva 0+000 - Prog 19+000- SEGUNDA CALZADA****MOVIMIENTOS DE SUELOS**

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
-			0.80	-	-	-
25			0.80	-	-	-
50	0.60	16.08	0.80	12.00	402.00	(390.00)
75	0.75	16.72	0.80	15.00	418.00	(793.00)
100	4.10	13.35	0.80	82.00	333.75	(1,044.75)
125	4.02	11.72	0.80	80.40	293.00	(1,257.35)
150	3.08	12.30	0.80	61.60	307.50	(1,503.25)
175	2.50	12.62	0.80	50.00	315.50	(1,768.75)
200	3.05	12.65	0.80	61.00	316.25	(2,024.00)
225	2.58	14.72	0.80	51.60	368.00	(2,340.40)
250	2.72	14.90	0.80	54.40	372.50	(2,658.50)
275	2.32	16.95	0.80	46.40	423.75	(3,035.85)
300	2.82	18.40	0.80	56.40	460.00	(3,439.45)
325	5.23	16.75	0.80	104.60	418.75	(3,753.60)
350	4.95	16.17	0.80	99.00	404.25	(4,058.85)
375	5.62	11.39	0.80	112.40	284.75	(4,231.20)
400	3.75	14.80	0.80	75.00	370.00	(4,526.20)
425	6.70	15.72	0.80	134.00	393.00	(4,785.20)
450	7.38	16.60	0.80	147.60	415.00	(5,052.60)
475	7.88	15.00	0.80	157.60	375.00	(5,270.00)
500	8.08	18.63	0.80	161.60	465.75	(5,574.15)
525	7.70	17.22	0.80	154.00	430.50	(5,850.65)
550	8.18	16.55	0.80	163.60	413.75	(6,100.80)
575	8.12	18.77	0.80	162.40	469.25	(6,407.65)
600	4.55	27.97	0.80	91.00	699.25	(7,015.90)
625	1.77	30.82	0.80	35.40	770.50	(7,751.00)
650	5.00	31.13	0.80	100.00	778.25	(8,429.25)
675	-	68.00	0.80	-	1,700.00	(10,129.25)
700	-	65.00	0.80	-	1,625.00	(11,754.25)
725	0.95	42.25	0.80	19.00	1,056.25	(12,791.50)
750	1.75	40.00	0.80	35.00	1,000.00	(13,756.50)
775	2.40	34.17	0.80	48.00	854.25	(14,562.75)
800	4.92	25.52	0.80	98.40	638.00	(15,102.35)
825	7.50	17.12	0.80	150.00	428.00	(15,380.35)
850	7.50	13.80	0.80	150.00	345.00	(15,575.35)
875	8.62	8.85	0.80	172.40	221.25	(15,624.20)
900	9.21	11.45	0.80	184.20	286.25	(15,726.25)
925	6.45	4.90	0.80	129.00	122.50	(15,719.75)
950	5.58	4.52	0.80	111.60	113.00	(15,721.15)
975	5.12	5.35	0.80	102.40	133.75	(15,752.50)
1,000	4.95	5.72	0.80	99.00	143.00	(15,796.50)
1,025	1.97	5.00	0.80	39.40	125.00	(15,882.10)
1,050	1.47	3.37	0.80	29.40	84.25	(15,936.95)
1,075	1.82	1.75	0.80	36.40	43.75	(15,944.30)
1,100	2.05	1.65	0.80	41.00	41.25	(15,944.55)
1,125	2.07	1.12	0.80	41.40	28.00	(15,931.15)
1,150	2.70	1.00	0.80	54.00	25.00	(15,902.15)
1,175	2.27	2.71	0.80	45.40	67.75	(15,924.50)
1,200	1.47	5.95	0.80	29.40	148.75	(16,043.85)
1,225	0.50	8.47	0.80	10.00	211.75	(16,245.60)
1,250	-	13.95	0.80	-	348.75	(16,594.35)
1,275	4.15	18.50	0.80	83.00	462.50	(16,973.85)
1,300	-	24.65	0.80	-	616.25	(17,590.10)
1,325	-	24.47	0.80	-	611.75	(18,201.85)
1,350	-	27.72	0.80	-	693.00	(18,894.85)
1,375	-	30.27	0.80	-	756.75	(19,651.60)
1,400	-	34.37	0.80	-	859.25	(20,510.85)
1,425	-	34.60	0.80	-	865.00	(21,375.85)

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
1,450	-	34.45	0.80	-	861.25	(22,237.10)
1,475	-	33.62	0.80	-	840.50	(23,077.60)
1,500	0.55	32.27	0.80	11.00	806.75	(23,873.35)
1,525	0.75	30.30	0.80	15.00	757.50	(24,615.85)
1,550	1.10	27.90	0.80	22.00	697.50	(25,291.35)
1,575	1.42	25.50	0.80	28.40	637.50	(25,900.45)
1,600	2.10	23.55	0.80	42.00	588.75	(26,447.20)
1,625	2.37	22.55	0.80	47.40	563.75	(26,963.55)
1,650	2.27	21.60	0.80	45.40	540.00	(27,458.15)
1,675	2.02	22.30	0.80	40.40	557.50	(27,975.25)
1,700	1.45	23.42	0.80	29.00	585.50	(28,531.75)
1,725	1.35	23.17	0.80	27.00	579.25	(29,084.00)
1,750	1.40	22.58	0.80	28.00	564.50	(29,620.50)
1,775	1.77	20.65	0.80	35.40	516.25	(30,101.35)
1,800	1.95	19.18	0.80	39.00	479.50	(30,541.85)
1,825	2.17	17.85	0.80	43.40	446.25	(30,944.70)
1,850	2.22	17.10	0.80	44.40	427.50	(31,327.80)
1,875	2.25	16.45	0.80	45.00	411.25	(31,694.05)
1,900	2.25	15.90	0.80	45.00	397.50	(32,046.55)
1,925	2.12	15.58	0.80	42.40	389.50	(32,393.65)
1,950	2.05	13.02	0.80	41.00	325.50	(32,678.15)
1,975	2.05	13.02	0.80	41.00	325.50	(32,962.65)
2,000	2.15	11.70	0.80	43.00	292.50	(33,212.15)
2,025	3.50	12.05	0.80	70.00	301.25	(33,443.40)
2,050	1.52	12.50	0.80	30.40	312.50	(33,725.50)
2,075	1.25	11.82	0.80	25.00	295.50	(33,996.00)
2,100	1.90	11.45	0.80	38.00	286.25	(34,244.25)
2,125	2.32	11.12	0.80	46.40	278.00	(34,475.85)
2,150	1.90	10.35	0.80	38.00	258.75	(34,696.60)
2,175	1.45	10.05	0.80	29.00	251.25	(34,918.85)
2,200	1.32	10.42	0.80	26.40	260.50	(35,152.95)
2,225	1.12	11.60	0.80	22.40	290.00	(35,420.55)
2,250	1.20	11.37	0.80	24.00	284.25	(35,680.80)
2,275	1.10	11.50	0.80	22.00	287.50	(35,946.30)
2,300	1.05	11.45	0.80	21.00	286.25	(36,211.55)
2,325	0.85	11.20	0.80	17.00	280.00	(36,474.55)
2,350	0.57	11.12	0.80	11.40	278.00	(36,741.15)
2,375	0.30	11.37	0.80	6.00	284.25	(37,019.40)
2,400	0.85	12.75	0.80	17.00	318.75	(37,321.15)
2,425	-	13.75	0.80	-	343.75	(37,664.90)
2,450	-	15.25	0.80	-	381.25	(38,046.15)
2,475	-	16.75	0.80	-	418.75	(38,464.90)
2,500	0.32	18.35	0.80	6.40	458.75	(38,917.25)
2,525	0.60	19.42	0.80	12.00	485.50	(39,390.75)
2,550	0.90	20.22	0.80	18.00	505.50	(39,878.25)
2,575	1.87	20.77	0.80	37.40	519.25	(40,360.10)
2,600	3.05	19.42	0.80	61.00	485.50	(40,784.60)
2,625	3.50	18.62	0.80	70.00	465.50	(41,180.10)
2,650	4.32	17.65	0.80	86.40	441.25	(41,534.95)
2,675	4.32	18.27	0.80	86.40	456.75	(41,905.30)
2,700	3.68	19.72	0.80	73.60	493.00	(42,324.70)
2,725	3.58	18.22	0.80	71.60	455.50	(42,708.60)
2,750	2.70	20.00	0.80	54.00	500.00	(43,154.60)
2,775	2.85	20.77	0.80	57.00	519.25	(43,616.85)
2,800	3.47	19.15	0.80	69.40	478.75	(44,026.20)
2,825	2.80	20.27	0.80	56.00	506.75	(44,476.95)
2,850	2.22	22.70	0.80	44.40	567.50	(45,000.05)

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
2,875	9.25	24.15	0.80	185.00	603.75	(45,418.80)
2,900	7.80	26.57	0.80	156.00	664.25	(45,927.05)
2,925	7.27	26.92	0.80	145.40	673.00	(46,454.65)
2,950	6.75	26.67	0.80	135.00	666.75	(46,966.40)
2,975	6.32	26.72	0.80	126.40	668.00	(47,528.00)
3,000	6.30	26.15	0.80	126.00	653.75	(48,055.75)
3,025	6.98	24.40	0.80	139.60	610.00	(48,526.15)
3,050	7.77	22.55	0.80	155.40	563.75	(48,934.50)
3,075	8.62	20.17	0.80	172.40	504.25	(49,266.35)
3,100	11.92	13.85	0.80	238.40	346.25	(49,374.20)
3,125	9.77	15.67	0.80	195.40	391.75	(49,570.55)
3,150	15.00	1,065.00	0.80	300.00	26,625.00	(75,895.55)
3,175	10.67	14.35	0.80	213.40	358.75	(76,040.90)
3,200	11.22	12.85	0.80	224.40	321.25	(76,137.75)
3,225	10.97	12.07	0.80	219.40	301.75	(76,220.10)
3,250	10.00	12.40	0.80	200.00	310.00	(76,330.10)
3,275	9.75	12.32	0.80	195.00	308.00	(76,443.10)
3,300	9.47	12.02	0.80	189.40	300.50	(76,554.20)
3,325	8.97	12.00	0.80	179.40	300.00	(76,674.80)
3,350	8.15	12.62	0.80	163.00	315.50	(76,827.30)
3,375	9.75	9.25	0.80	195.00	231.25	(76,863.55)
3,400	9.20	10.12	0.80	184.00	253.00	(76,932.55)
3,425	8.85	10.85	0.80	177.00	271.25	(77,026.80)
3,450	8.45	11.60	0.80	169.00	290.00	(77,147.80)
3,475	7.90	11.90	0.80	158.00	297.50	(77,287.30)
3,500	3.07	11.80	0.80	61.40	295.00	(77,520.90)
3,525	6.12	13.25	0.80	122.40	331.25	(77,729.75)
3,550	3.07	19.50	0.80	61.40	487.50	(78,155.85)
3,575	4.40	14.55	0.80	88.00	363.75	(78,431.60)
3,600	4.62	12.72	0.80	92.40	318.00	(78,657.20)
3,625	4.50	14.05	0.80	90.00	351.25	(78,918.45)
3,650	4.10	13.82	0.80	82.00	345.50	(79,181.95)
3,675	4.27	11.15	0.80	85.40	278.75	(79,375.30)
3,700	5.42	14.92	0.80	108.40	373.00	(79,639.90)
3,725	4.40	16.97	0.80	88.00	424.25	(79,976.15)
3,750	2.32	19.72	0.80	46.40	493.00	(80,422.75)
3,775	1.80	21.97	0.80	36.00	549.25	(80,936.00)
3,800	0.92	23.25	0.80	18.40	581.25	(81,498.85)
3,825	0.57	19.85	0.80	11.40	496.25	(81,983.70)
3,850	0.70	15.37	0.80	14.00	384.25	(82,353.95)
3,875	0.50	14.55	0.80	10.00	363.75	(82,707.70)
3,900	0.87	14.85	0.80	17.40	371.25	(83,061.55)
3,925	0.92	17.05	0.80	18.40	426.25	(83,469.40)
3,950	0.80	19.65	0.80	16.00	491.25	(83,944.65)
3,975	-	19.72	0.80	-	493.00	(84,437.65)
4,000	1.30	19.80	0.80	26.00	495.00	(84,906.65)
4,025	0.45	24.40	0.80	9.00	610.00	(85,507.65)
4,050	1.52	26.68	0.80	30.40	667.00	(86,144.25)
4,075	3.18	23.42	0.80	63.60	585.50	(86,666.15)
4,100	3.05	24.42	0.80	61.00	610.50	(87,215.65)
4,125	2.50	25.38	0.80	50.00	634.50	(87,800.15)
4,150	2.95	28.28	0.80	59.00	707.00	(88,448.15)
4,175	2.90	29.15	0.80	58.00	728.75	(89,118.90)
4,200	2.95	32.73	0.80	59.00	818.25	(89,878.15)
4,225	3.00	28.10	0.80	60.00	702.50	(90,520.65)
4,250	4.62	26.60	0.80	92.40	665.00	(91,093.25)
4,275	4.45	24.75	0.80	89.00	618.75	(91,623.00)

Prog. m	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
4,300	6.40	27.78	0.80	128.00	694.50	(92,189.50)
4,325	1.53	28.80	0.80	30.60	720.00	(92,878.90)
4,350	1.45	28.20	0.80	29.00	705.00	(93,554.90)
4,375	1.07	28.90	0.80	21.40	722.50	(94,258.00)
4,400	1.22	28.38	0.80	24.40	709.50	(94,941.10)
4,425	1.85	28.60	0.80	37.00	685.00	(95,569.10)
4,450	0.90	27.40	0.80	18.00	685.00	(96,238.10)
4,475	0.88	28.22	0.80	17.60	705.50	(96,924.00)
4,500	0.65	28.38	0.80	13.00	709.50	(97,620.50)
4,525	0.50	28.20	0.80	10.00	705.00	(98,315.50)
4,550	0.45	27.65	0.80	9.00	691.25	(98,997.75)
4,575	0.42	29.78	0.80	8.40	744.50	(99,733.85)
4,600	0.21	28.20	0.80	4.20	705.00	(100,434.65)
4,625	-	29.15	0.80	-	728.75	(101,163.40)
4,650	-	29.75	0.80	-	743.75	(101,907.15)
4,675	-	30.80	0.80	-	770.00	(102,677.15)
4,700	-	32.32	0.80	-	808.00	(103,485.15)
4,725	-	33.38	0.80	-	834.50	(104,319.65)
4,750	-	34.12	0.80	-	853.00	(105,172.65)
4,775	-	35.93	0.80	-	898.25	(106,070.90)
4,800	-	37.23	0.80	-	930.75	(107,001.65)
4,825	2.45	35.38	0.80	49.00	884.50	(107,837.15)
4,850	1.43	38.22	0.80	28.60	955.50	(108,764.05)
4,875	1.15	37.78	0.80	23.00	944.50	(109,685.55)
4,900	1.10	36.78	0.80	22.00	919.50	(110,583.05)
4,925	1.73	33.30	0.80	34.50	832.50	(111,381.05)
4,950	2.18	30.73	0.80	43.50	788.25	(112,105.80)
4,975	2.50	27.80	0.80	50.00	695.00	(112,750.80)
5,000	2.50	30.43	0.80	50.00	760.75	(113,461.55)
5,025	2.08	34.00	0.80	41.60	850.00	(114,269.95)
5,050	0.60	34.12	0.80	12.00	853.00	(115,110.95)
5,075	1.60	33.90	0.80	32.00	847.50	(115,928.45)
5,100	1.18	31.12	0.80	23.60	778.00	(116,680.85)
5,125	0.90	30.08	0.80	18.00	752.00	(117,414.85)
5,150	0.38	28.83	0.80	7.60	720.75	(118,128.00)
5,175	0.55	26.85	0.80	11.00	671.25	(118,788.25)
5,200	1.42	25.68	0.80	28.40	642.00	(119,401.85)
5,225	1.15	25.68	0.80	23.00	642.00	(120,020.85)
5,250	0.63	27.00	0.80	12.60	675.00	(120,683.25)
5,275	1.08	25.90	0.80	21.60	647.50	(121,309.15)
5,300	0.48	27.03	0.80	9.60	675.75	(121,975.30)
5,325	-	29.85	0.80	-	746.25	(122,721.55)
5,350	-	31.28	0.80	-	782.00	(123,503.55)
5,375	-	31.35	0.80	-	783.75	(124,287.30)
5,400	-	25.30	0.80	-	632.50	(124,919.80)
5,425	-	19.48	0.80	-	487.00	(125,406.80)
5,450	1.35	15.93	0.80	27.00	398.25	(125,778.05)
5,475	3.10	15.12	0.80	62.00	378.00	(126,094.05)
5,500	3.28	15.53	0.80	65.60	388.25	(126,416.70)
5,525	2.95	15.65	0.80	59.00	391.25	(126,748.95)
5,550	2.45	17.00	0.80	49.00	425.00	(127,124.95)
5,575	3.18	16.18	0.80	63.60	404.50	(127,465.85)
5,600	1.65	17.82	0.80	33.00	445.50	(127,878.35)
5,625	2.75	19.52	0.80	55.00	488.00	(128,311.35)
5,650	2.60	19.95	0.80	52.00	498.75	(128,758.10)
5,675	2.52	19.68	0.80	50.40	492.00	(129,199.70)
5,700	2.78	19.78	0.80	55.60	494.50	(129,638.80)

Prog. m	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
5,725	3.90	19.62	0.80	78.00	490.50	(130,051.10)
5,750	6.53	16.02	0.80	130.60	400.50	(130,321.00)
5,775	9.83	11.68	0.80	196.60	292.00	(130,416.40)
5,800	11.18	9.80	0.80	223.60	245.00	(130,437.80)
5,825	11.70	8.58	0.80	234.00	214.50	(130,418.30)
5,850	8.08	11.93	0.80	161.60	298.25	(130,554.95)
5,875	10.75	10.62	0.80	215.00	265.50	(130,605.45)
5,900	9.53	13.52	0.80	190.60	338.00	(130,752.85)
5,925	8.95	14.30	0.80	179.00	357.50	(130,931.35)
5,950	8.00	15.30	0.80	160.00	382.50	(131,153.85)
5,975	7.02	17.05	0.80	140.40	426.25	(131,439.70)
6,000	5.32	24.78	0.80	106.40	619.50	(131,952.80)
6,025	4.02	22.52	0.80	80.40	563.00	(132,435.40)
6,050	3.68	24.32	0.80	73.60	608.00	(132,969.80)
6,075	3.70	24.71	0.80	74.00	617.75	(133,513.55)
6,100	23.45	4.80	0.80	469.00	120.00	(133,164.55)
6,125	5.58	22.95	0.80	111.60	573.75	(133,626.70)
6,150	3.75	22.40	0.80	75.00	560.00	(134,111.70)
6,175	2.90	27.73	0.80	58.00	693.25	(134,746.95)
6,200	0.55	34.15	0.80	11.00	853.75	(135,589.70)
6,225	0.55	32.22	0.80	11.00	805.50	(136,384.20)
6,250	1.85	30.55	0.80	37.00	763.75	(137,110.95)
6,275	1.28	29.28	0.80	25.60	732.00	(137,817.35)
6,300	1.70	27.98	0.80	34.00	699.50	(138,482.85)
6,325	1.92	26.73	0.80	38.40	668.25	(139,112.70)
6,350	2.18	25.10	0.80	43.60	627.50	(139,696.60)
6,375	2.18	23.28	0.80	43.60	582.00	(140,235.00)
6,400	1.90	21.68	0.80	38.00	542.00	(140,739.00)
6,425	1.32	20.20	0.80	26.40	505.00	(141,217.60)
6,450	0.68	19.32	0.80	13.60	483.00	(141,687.00)
6,475	0.28	18.82	0.80	5.60	470.50	(142,151.90)
6,500	1.75	19.10	0.80	35.00	477.50	(142,594.40)
6,525	1.30	19.12	0.80	26.00	478.00	(143,046.40)
6,550	0.48	17.78	0.80	9.60	444.50	(143,481.30)
6,575	0.70	15.55	0.80	14.00	388.75	(143,856.05)
6,600	0.62	13.27	0.80	12.40	331.75	(144,175.40)
6,625	0.50	12.57	0.80	10.00	314.25	(144,479.65)
6,650	0.38	12.27	0.80	7.60	306.75	(144,778.80)
6,675	-	12.25	0.80	-	306.25	(145,085.05)
6,700	-	12.25	0.80	-	306.25	(145,391.30)
6,725	-	12.55	0.80	-	313.75	(145,705.05)
6,750	-	12.65	0.80	-	316.25	(146,021.30)
6,775	-	10.85	0.80	-	271.25	(146,292.55)
6,800	-	9.35	0.80	-	233.75	(146,526.30)
6,825	-	8.32	0.80	-	208.00	(146,734.30)
6,850	-	11.25	0.80	-	281.25	(147,015.55)
6,875	0.25	13.95	0.80	5.00	348.75	(147,359.30)
6,900	1.72	13.87	0.80	34.40	346.75	(147,671.65)
6,925	4.15	10.02	0.80	83.00	250.50	(147,839.15)
6,950	8.05	4.90	0.80	161.00	122.50	(147,800.65)
6,975	10.80	2.07	0.80	216.00	51.75	(147,636.40)
7,000	13.75	0.80	0.80	275.00	20.00	(147,381.40)
7,025	15.75	1.50	0.80	315.00	37.50	(147,103.90)
7,050	18.52	1.15	0.80	370.40	28.75	(146,762.25)
7,075	18.22	3.65	0.80	364.40	91.25	(146,489.10)
7,100	20.12	5.38	0.80	402.40	134.50	(146,221.20)
7,125	7.28	17.40	0.80	145.60	435.00	(146,510.60)

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
7,150	3.08	18.00	0.80	61.60	450.00	(146,899.00)
7,175	16.00	0.50	0.80	320.00	12.50	(146,591.50)
7,200	51.55	-	0.80	1,031.00	-	(145,560.50)
7,225	57.85	-	0.80	1,157.00	-	(144,403.50)
7,250	64.05	-	0.80	1,281.00	-	(143,122.50)
7,275	34.40	-	0.80	688.00	-	(142,434.50)
7,300	10.93	4.08	0.80	218.60	102.00	(142,317.90)
7,325	1.40	13.12	0.80	28.00	328.00	(142,617.90)
7,350	-	31.28	0.80	-	782.00	(143,399.90)
7,375	-	47.12	0.80	-	1,178.00	(144,577.90)
7,400	1.20	37.60	0.80	24.00	940.00	(145,493.90)
7,425	2.60	25.45	0.80	52.00	636.25	(146,078.15)
7,450	1.88	30.72	0.80	37.60	768.00	(146,808.55)
7,475	0.80	35.65	0.80	16.00	891.25	(147,683.80)
7,500	-	38.35	0.80	-	958.75	(148,642.55)
7,525	-	41.00	0.80	-	1,025.00	(149,667.55)
7,550	-	40.32	0.80	-	1,008.00	(150,675.55)
7,575	-	40.98	0.80	-	1,024.50	(151,700.05)
7,600	-	41.55	0.80	-	1,038.75	(152,738.80)
7,625	0.65	43.15	0.80	13.00	1,078.75	(153,804.55)
7,650	1.35	46.06	0.80	27.00	1,151.50	(154,929.05)
7,675	-	-	-	-	-	(154,929.05)
7,700	-	-	-	-	-	(154,929.05)
7,725	-	-	-	-	-	(154,929.05)
7,750	-	-	-	-	-	(154,929.05)
7,775	-	-	-	-	-	(154,929.05)
7,800	-	-	-	-	-	(154,929.05)
7,825	-	-	-	-	-	(154,929.05)
7,850	-	-	-	-	-	(154,929.05)
7,875	-	-	-	-	-	(154,929.05)
7,900	-	-	-	-	-	(154,929.05)
7,925	-	-	-	-	-	(154,929.05)
7,950	-	-	-	-	-	(154,929.05)
7,975	-	-	-	-	-	(154,929.05)
8,000	-	-	-	-	-	(154,929.05)
8,025	-	-	-	-	-	(154,929.05)
8,050	-	-	-	-	-	(154,929.05)
8,075	-	-	-	-	-	(154,929.05)
8,100	-	-	-	-	-	(154,929.05)
8,125	-	-	-	-	-	(154,929.05)
8,150	-	-	-	-	-	(154,929.05)
8,175	-	-	-	-	-	(154,929.05)
8,200	-	-	-	-	-	(154,929.05)
8,225	-	-	-	-	-	(154,929.05)
8,250	-	-	-	-	-	(154,929.05)
8,275	-	-	-	-	-	(154,929.05)
8,300	-	-	-	-	-	(154,929.05)
8,325	-	-	-	-	-	(154,929.05)
8,350	1.77	87.67	0.80	35.40	2,191.75	(157,085.40)
8,375	2.15	78.95	0.80	43.00	1,973.75	(159,016.15)
8,400	2.50	78.95	0.80	50.00	1,973.75	(160,939.90)
8,425	2.82	75.67	0.80	56.40	1,891.75	(162,775.25)
8,450	2.20	47.12	0.80	44.00	1,178.00	(163,909.25)
8,475	4.05	39.57	0.80	81.00	989.25	(164,817.50)
8,500	4.65	31.62	0.80	93.00	790.50	(165,515.00)
8,525	8.12	26.00	0.80	162.40	650.00	(166,002.60)
8,550	11.22	20.55	0.80	224.40	513.75	(166,291.95)

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
8,575	18.27	17.92	0.80	385.40	448.00	(166,374.55)
8,600	10.80	15.47	0.80	216.00	386.75	(166,545.30)
8,625	11.08	13.67	0.80	221.60	341.75	(166,665.45)
8,650	7.40	13.27	0.80	148.00	331.75	(166,849.20)
8,675	4.87	13.57	0.80	97.40	339.25	(167,091.05)
8,700	4.82	11.07	0.80	96.40	278.75	(167,271.40)
8,725	4.50	7.97	0.80	90.00	199.25	(167,380.65)
8,750	2.95	9.55	0.80	59.00	238.75	(167,560.40)
8,775	2.75	12.37	0.80	55.00	309.25	(167,814.65)
8,800	2.17	12.97	0.80	43.40	324.25	(168,095.50)
8,825	1.62	13.68	0.80	32.40	342.00	(168,405.10)
8,850	2.00	14.15	0.80	40.00	353.75	(168,718.85)
8,875	2.27	13.02	0.80	45.40	325.50	(168,998.95)
8,900	3.75	11.15	0.80	75.00	278.75	(169,202.70)
8,925	5.75	10.58	0.80	115.00	264.50	(169,352.20)
8,950	5.25	13.55	0.80	105.00	338.75	(169,585.95)
8,975	3.98	15.01	0.80	79.60	375.25	(169,881.60)
9,000	3.00	13.58	0.80	60.00	339.50	(170,161.10)
9,025	1.58	20.83	0.80	31.60	520.75	(170,650.25)
9,050	0.65	24.63	0.80	13.00	615.75	(171,253.00)
9,075	0.40	26.10	0.80	8.00	652.50	(171,897.50)
9,100	0.50	26.32	0.80	10.00	658.00	(172,545.50)
9,125	1.45	23.88	0.80	29.00	597.00	(173,113.50)
9,150	1.40	25.75	0.80	28.00	643.75	(173,729.25)
9,175	1.00	28.65	0.80	20.00	716.25	(174,425.50)
9,200	1.22	28.65	0.80	24.40	716.25	(175,117.35)
9,225	2.82	21.80	0.80	56.40	545.00	(175,605.95)
9,250	2.82	11.40	0.80	56.40	285.00	(175,834.55)
9,275	4.00	7.12	0.80	80.00	178.00	(175,932.55)
9,300	6.68	5.62	0.80	133.60	140.50	(175,939.45)
9,325	3.38	9.25	0.80	67.60	231.25	(176,103.10)
9,350	0.95	12.60	0.80	19.00	315.00	(176,399.10)
9,375	0.38	12.60	0.80	7.60	315.00	(176,706.50)
9,400	-	12.42	0.80	-	310.50	(177,017.00)
9,425	0.30	8.02	0.80	6.00	200.50	(177,211.50)
9,450	0.68	3.28	0.80	13.60	82.00	(177,279.90)
9,475	0.65	6.35	0.80	13.00	158.75	(177,425.65)
9,500	0.65	9.95	0.80	13.00	248.75	(177,661.40)
9,525	1.10	14.25	0.80	22.00	356.25	(177,995.65)
9,550	1.70	17.05	0.80	34.00	426.25	(178,387.90)
9,575	2.60	19.60	0.80	52.00	490.00	(178,825.90)
9,600	3.05	20.87	0.80	61.00	521.75	(179,286.65)
9,625	2.75	23.52	0.80	55.00	588.00	(179,819.65)
9,650	1.60	29.50	0.80	32.00	737.50	(180,525.15)
9,675	1.42	43.35	0.80	28.40	1,083.75	(181,580.50)
9,700	0.55	33.75	0.80	11.00	843.75	(182,413.25)
9,725	0.30	30.30	0.80	6.00	757.50	(183,164.75)
9,750	0.65	25.60	0.80	13.00	640.00	(183,791.75)
9,775	1.12	20.55	0.80	22.40	513.75	(184,283.10)
9,800	1.70	16.50	0.80	34.00	412.50	(184,661.60)
9,825	1.18	14.00	0.80	23.60	350.00	(184,988.00)
9,850	1.40	12.45	0.80	28.00	311.25	(185,271.25)
9,875	0.47	12.45	0.80	9.40	311.25	(185,573.10)
9,900	-	14.42	0.80	-	360.50	(185,933.60)
9,925	-	14.48	0.80	-	362.00	(186,295.60)
9,950	-	15.12	0.80	-	378.00	(186,673.60)
9,975	-	15.52	0.80	-	388.00	(187,061.60)

Prog.	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance
	Desm	Terra		Desm	Terra	
m	m2	m2		m3	m3	m3
10,000	-	15.62	0.80	-	390.50	(187,452.10)
10,025	-	16.70	0.80	-	417.50	(187,869.60)
10,050	-	19.02	0.80	-	475.50	(188,345.10)
10,075	-	21.08	0.80	-	527.00	(188,872.10)
10,100	-	23.33	0.80	-	583.25	(189,455.35)
10,125	1.65	23.92	0.80	33.00	598.00	(190,020.35)
10,150	-	24.85	0.80	-	621.25	(190,641.60)
10,175	-	25.52	0.80	-	638.00	(191,279.60)
10,200	-	25.35	0.80	-	633.75	(191,913.35)
10,225	1.40	25.55	0.80	28.00	638.75	(192,524.10)
10,250	3.40	26.23	0.80	68.00	655.75	(193,111.85)
10,275	2.63	26.23	0.80	52.60	655.75	(193,715.00)
10,300	1.78	27.90	0.80	35.60	697.50	(194,376.90)
10,325	1.33	26.88	0.80	26.60	672.00	(195,022.30)
10,350	1.88	9.85	0.80	37.60	246.25	(195,230.95)
10,375	3.00	22.33	0.80	60.00	558.25	(195,729.20)
10,400	4.43	18.12	0.80	88.60	453.00	(196,093.60)
10,425	6.65	13.62	0.80	133.00	340.50	(196,301.10)
10,450	9.03	7.45	0.80	180.60	186.25	(196,306.75)
10,475	11.50	3.05	0.80	230.00	76.25	(196,153.00)
10,500	11.70	2.50	0.80	234.00	62.50	(195,981.50)
10,525	11.25	2.50	0.80	225.00	62.50	(195,819.00)
10,550	10.43	2.17	0.80	208.60	54.25	(195,664.65)
10,575	8.33	2.18	0.80	166.50	54.50	(195,552.65)
10,600	5.50	7.00	0.80	110.00	175.00	(195,617.65)
10,625	3.50	15.22	0.80	70.00	380.50	(195,928.15)
10,650	1.10	22.12	0.80	22.00	553.00	(196,459.15)
10,675	0.78	22.08	0.80	15.60	552.00	(196,995.55)
10,700	0.75	20.00	0.80	15.00	500.00	(197,480.55)
10,725	2.00	16.45	0.80	40.00	411.25	(197,851.80)
10,750	2.90	13.75	0.80	58.00	343.75	(198,137.55)
10,775	2.88	12.30	0.80	57.60	307.50	(198,387.45)
10,800	3.32	10.60	0.80	66.40	265.00	(198,586.05)
10,825	-	12.38	0.80	-	309.50	(198,895.55)
10,850	0.40	16.80	0.80	8.00	420.00	(199,307.55)
10,875	-	19.06	0.80	-	476.50	(199,784.05)
10,900	-	21.10	0.80	-	527.50	(200,311.55)
10,925	-	20.20	0.80	-	505.00	(200,816.55)
10,950	-	17.20	0.80	-	430.00	(201,246.55)
10,975	-	15.38	0.80	-	384.50	(201,631.05)
11,000	-	14.40	0.80	-	360.00	(201,991.05)
11,025	-	15.00	0.80	-	375.00	(202,366.05)
11,050	0.17	15.95	0.80	3.40	398.75	(202,761.40)
11,075	0.82	15.87	0.80	16.40	396.75	(203,141.75)
11,100	1.75	15.00	0.80	35.00	375.00	(203,481.75)
11,125	1.67	16.60	0.80	33.40	415.00	(203,863.35)
11,150	2.20	16.60	0.80	44.00	415.00	(204,234.35)
11,175	1.57	20.50	0.80	31.40	512.50	(204,715.45)
11,200	0.90	25.30	0.80	18.00	632.50	(205,329.95)
11,225	0.30	29.90	0.80	6.00	747.50	(206,071.45)
11,250	-	36.47	0.80	-	911.75	(206,983.20)
11,275	0.57	36.47	0.80	11.40	911.75	(207,883.55)
11,300	0.50	35.95	0.80	10.00	898.75	(208,772.30)
11,325	1.20	33.82	0.80	24.00	845.50	(209,593.80)
11,350	2.05	30.42	0.80	41.00	760.50	(210,313.30)
11,375	2.30	29.77	0.80	46.00	744.25	(211,011.55)
11,400	1.97	27.20	0.80	39.40	680.00	(211,652.15)

Prog. m	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
11,425	3.07	29.30	0.80	61.40	732.50	(212,323.25)
11,450	4.57	17.27	0.80	91.40	431.75	(212,663.60)
11,475	4.32	16.92	0.80	86.40	423.00	(213,000.20)
11,500	1.27	22.87	0.80	25.40	571.75	(213,546.55)
11,525	3.00	16.97	0.80	60.00	424.25	(213,910.80)
11,550	2.42	17.17	0.80	48.40	429.25	(214,291.65)
11,575	1.95	17.22	0.80	39.00	430.50	(214,683.15)
11,600	1.52	17.42	0.80	30.40	435.50	(215,088.25)
11,625	0.70	18.30	0.80	14.00	457.50	(215,531.75)
11,650	-	19.47	0.80	-	486.75	(216,018.50)
11,675	-	19.10	0.80	-	477.50	(216,496.00)
11,700	0.40	18.30	0.80	8.00	457.50	(216,945.50)
11,725	1.42	17.45	0.80	28.40	436.25	(217,353.35)
11,750	2.02	17.32	0.80	40.40	433.00	(217,745.95)
11,775	2.05	18.05	0.80	41.00	451.25	(218,156.20)
11,800	2.87	17.85	0.80	57.40	446.25	(218,545.05)
11,825	3.85	17.50	0.80	77.00	437.50	(218,905.55)
11,850	3.67	17.85	0.80	73.40	446.25	(219,278.40)
11,875	1.24	18.77	0.80	24.80	469.25	(219,722.85)
11,900	2.50	20.82	0.80	50.00	520.50	(220,193.35)
11,925	1.65	23.92	0.80	33.00	598.00	(220,758.35)
11,950	1.15	28.15	0.80	23.00	703.75	(221,439.10)
11,975	0.85	31.97	0.80	17.00	799.25	(222,221.35)
12,000	1.35	32.50	0.80	27.00	812.50	(223,006.85)
12,025	1.73	31.25	0.80	34.60	781.25	(223,753.50)
12,050	3.13	28.70	0.80	62.60	717.50	(224,408.40)
12,075	3.60	26.57	0.80	72.00	664.25	(225,000.65)
12,100	3.65	24.65	0.80	73.00	616.25	(225,543.90)
12,125	3.00	23.20	0.80	60.00	580.00	(226,063.90)
12,150	2.30	23.15	0.80	46.00	578.75	(226,596.65)
12,175	1.35	24.45	0.80	27.00	611.25	(227,180.90)
12,200	0.45	24.95	0.80	9.00	623.75	(227,795.65)
12,225	-	26.82	0.80	-	670.50	(228,466.15)
12,250	-	30.70	0.80	-	767.50	(229,233.65)
12,275	-	31.90	0.80	-	797.50	(230,031.15)
12,300	2.20	31.85	0.80	44.00	796.25	(230,783.40)
12,325	0.80	31.77	0.80	16.00	794.25	(231,561.65)
12,350	0.67	30.67	0.80	13.40	766.75	(232,315.00)
12,375	1.80	27.30	0.80	36.00	682.50	(232,961.50)
12,400	0.37	23.80	0.80	7.40	595.00	(233,549.10)
12,425	1.50	21.85	0.80	30.00	546.25	(234,065.35)
12,450	1.35	20.17	0.80	27.00	504.25	(234,542.60)
12,475	2.07	18.20	0.80	41.40	455.00	(234,956.20)
12,500	2.00	15.57	0.80	40.00	389.25	(235,305.45)
12,525	1.12	18.05	0.80	22.40	451.25	(235,734.30)
12,550	0.85	18.65	0.80	17.00	466.25	(236,183.55)
12,575	1.02	16.17	0.80	20.40	404.25	(236,567.40)
12,600	1.20	13.62	0.80	24.00	340.50	(236,883.90)
12,625	1.17	14.07	0.80	23.40	351.75	(237,212.25)
12,650	0.85	16.00	0.80	17.00	400.00	(237,595.25)
12,675	0.45	16.25	0.80	9.00	406.25	(237,992.50)
12,700	0.37	14.87	0.80	7.40	371.75	(238,356.85)
12,725	0.37	10.85	0.80	7.40	271.25	(238,620.70)
12,750	1.05	6.82	0.80	21.00	170.50	(238,770.20)
12,775	1.45	5.27	0.80	29.00	131.75	(238,872.95)
12,800	1.60	3.42	0.80	32.00	85.50	(238,926.45)
12,825	1.45	2.32	0.80	29.00	58.00	(238,955.45)

Prog. m	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
12,850	1.52	1.25	0.80	30.40	31.25	(238,958.30)
12,875	2.07	0.32	0.80	41.40	8.00	(238,922.90)
12,900	4.57	0.16	0.80	91.40	4.00	(238,835.50)
12,925	3.10	6.17	0.80	62.00	154.25	(238,927.75)
12,950	3.10	6.70	0.80	62.00	167.50	(239,033.25)
12,975	3.00	7.15	0.80	60.00	178.75	(239,152.00)
13,000	2.60	7.50	0.80	52.00	187.50	(239,287.50)
13,025	2.50	7.50	0.80	50.00	187.50	(239,425.00)
13,050	2.50	7.65	0.80	50.00	191.25	(239,566.25)
13,075	2.00	8.00	0.80	40.00	200.00	(239,726.25)
13,100	2.50	8.00	0.80	50.00	200.00	(239,876.25)
13,125	17.50	7.50	0.80	350.00	187.50	(239,713.75)
13,150	2.00	7.40	0.80	40.00	185.00	(239,858.75)
13,175	2.00	7.30	0.80	40.00	182.50	(240,001.25)
13,200	2.00	7.80	0.80	40.00	195.00	(240,158.25)
13,225	-	7.90	0.80	-	197.50	(240,353.75)
13,250	-	8.00	0.80	-	200.00	(240,553.75)
13,275	4.80	7.00	0.80	96.00	175.00	(240,632.75)
13,300	-	7.90	0.80	-	197.50	(240,830.25)
13,325	-	7.80	0.80	-	195.00	(241,025.25)
13,350	-	7.40	0.80	-	185.00	(241,210.25)
13,375	-	7.80	0.80	-	195.00	(241,405.25)
13,400	-	7.90	0.80	-	197.50	(241,602.75)
13,425	-	8.00	0.80	-	200.00	(241,802.75)
13,450	-	7.50	0.80	-	187.50	(241,990.25)
13,475	-	6.70	0.80	-	167.50	(242,157.75)
13,500	-	8.00	0.80	-	200.00	(242,357.75)
13,525	-	8.00	0.80	-	200.00	(242,557.75)
13,550	-	8.25	0.80	-	206.25	(242,764.00)
13,575	-	6.50	0.80	-	162.50	(242,926.50)
13,600	-	9.00	0.80	-	225.00	(243,151.50)
13,625	-	9.50	0.80	-	237.50	(243,389.00)
13,650	-	9.70	0.80	-	242.50	(243,631.50)
13,675	-	8.90	0.80	-	222.50	(243,854.00)
13,700	4.00	2.50	0.80	80.00	62.50	(243,836.50)
13,725	-	10.18	0.80	-	254.50	(244,091.00)
13,750	-	14.00	0.80	-	350.00	(244,441.00)
13,775	-	17.20	0.80	-	430.00	(244,871.00)
13,800	0.44	17.90	0.80	8.80	447.50	(245,309.70)
13,825	0.93	18.15	0.80	18.60	453.75	(245,744.85)
13,850	-	21.65	0.80	-	541.25	(246,286.10)
13,875	-	31.68	0.80	-	792.00	(247,078.10)
13,900	-	28.70	0.80	-	717.50	(247,795.60)
13,925	2.95	23.20	0.80	59.00	580.00	(248,316.60)
13,950	1.53	24.95	0.80	30.60	623.75	(248,909.75)
13,975	1.45	24.30	0.80	29.00	607.50	(249,488.25)
14,000	2.55	21.58	0.80	51.00	539.50	(249,976.75)
14,025	3.50	18.48	0.80	70.00	462.00	(250,368.75)
14,050	24.18	17.18	0.80	483.60	429.50	(250,314.65)
14,075	-	15.55	0.80	-	388.75	(250,703.40)
14,100	-	13.80	0.80	-	345.00	(251,048.40)
14,125	-	13.45	0.80	-	338.25	(251,384.65)
14,150	-	15.28	0.80	-	382.00	(251,766.65)
14,175	-	14.12	0.80	-	353.00	(252,119.65)
14,200	-	11.48	0.80	-	287.00	(252,406.65)
14,225	-	10.45	0.80	-	261.25	(252,667.90)
14,250	-	12.75	0.80	-	318.75	(252,986.65)

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
14,275	-	15.40	0.80	-	385.00	(253,371.65)
14,300	-	17.20	0.80	-	430.00	(253,801.65)
14,325	-	21.35	0.80	-	533.75	(254,335.40)
14,350	-	22.00	0.80	-	550.00	(254,885.40)
14,375	-	22.20	0.80	-	555.00	(255,440.40)
14,400	-	24.03	0.80	-	600.75	(256,041.15)
14,425	-	25.90	0.80	-	647.50	(256,688.65)
14,450	-	26.75	0.80	-	668.75	(257,357.40)
14,475	-	27.15	0.80	-	678.75	(258,036.15)
14,500	-	29.50	0.80	-	737.50	(258,773.65)
14,525	4.38	30.82	0.80	87.60	770.50	(259,456.55)
14,550	-	30.95	0.80	-	773.75	(260,230.30)
14,575	-	31.40	0.80	-	785.00	(261,015.30)
14,600	-	31.08	0.80	-	777.00	(261,792.30)
14,625	-	29.50	0.80	-	737.50	(262,529.80)
14,650	-	28.30	0.80	-	707.50	(263,237.30)
14,675	-	27.72	0.80	-	693.00	(263,930.30)
14,700	-	23.30	0.80	-	582.50	(264,512.80)
14,725	-	16.22	0.80	-	405.50	(264,918.30)
14,750	-	14.00	0.80	-	350.00	(265,268.30)
14,775	-	13.40	0.80	-	335.00	(265,603.30)
14,800	-	13.50	0.80	-	337.50	(265,940.80)
14,825	-	14.62	0.80	-	365.50	(266,306.30)
14,850	-	17.20	0.80	-	430.00	(266,736.30)
14,875	-	20.05	0.80	-	501.25	(267,237.55)
14,900	-	21.20	0.80	-	530.00	(267,767.55)
14,925	-	24.18	0.80	-	604.50	(268,372.05)
14,950	-	27.00	0.80	-	675.00	(269,047.05)
14,975	0.48	25.72	0.80	9.60	643.00	(269,680.45)
15,000	0.90	23.95	0.80	18.00	598.75	(270,261.20)
15,025	1.58	20.55	0.80	31.60	513.75	(270,743.35)
15,050	0.42	24.40	0.80	8.40	610.00	(271,344.95)
15,075	-	29.08	0.80	-	727.00	(272,071.95)
15,100	-	31.10	0.80	-	777.50	(272,849.45)
15,125	0.47	30.00	0.80	9.40	750.00	(273,590.05)
15,150	1.03	28.00	0.80	20.60	700.00	(274,269.45)
15,175	1.18	28.20	0.80	23.60	705.00	(274,950.85)
15,200	0.85	30.40	0.80	17.00	760.00	(275,693.85)
15,225	1.78	25.42	0.80	35.60	635.50	(276,293.75)
15,250	2.38	19.48	0.80	47.60	487.00	(276,733.15)
15,275	2.80	13.22	0.80	56.00	330.50	(277,007.65)
15,300	1.05	14.80	0.80	21.00	370.00	(277,356.65)
15,325	-	13.48	0.80	-	337.00	(277,693.65)
15,350	-	22.83	0.80	-	570.75	(278,264.40)
15,375	-	25.95	0.80	-	648.75	(278,913.15)
15,400	-	26.50	0.80	-	662.50	(279,575.65)
15,425	0.90	34.43	0.80	18.00	860.75	(280,418.40)
15,450	0.77	26.32	0.80	15.40	658.00	(281,061.00)
15,475	-	34.58	0.80	-	864.50	(281,925.50)
15,500	-	36.02	0.80	-	900.50	(282,826.00)
15,525	-	37.13	0.80	-	928.25	(283,754.25)
15,550	-	38.70	0.80	-	967.50	(284,721.75)
15,575	-	41.22	0.80	-	1,030.50	(285,752.25)
15,600	-	38.58	0.80	-	964.50	(286,716.75)
15,625	0.55	36.10	0.80	11.00	902.50	(287,608.25)
15,650	0.98	34.20	0.80	19.60	855.00	(288,443.65)
15,675	-	33.15	0.80	-	828.75	(289,272.40)

Prog. m	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
15,700	1.93	31.75	0.80	38.60	793.75	(290,027.55)
15,725	2.90	30.20	0.80	58.00	755.00	(290,724.55)
15,750	4.35	28.28	0.80	87.00	707.00	(291,344.55)
15,775	4.45	27.88	0.80	89.00	697.00	(291,952.55)
15,800	4.75	27.68	0.80	95.00	692.00	(292,549.55)
15,825	3.13	25.60	0.80	62.60	640.00	(293,126.95)
15,850	3.58	24.45	0.80	71.60	611.25	(293,666.60)
15,875	3.00	25.32	0.80	60.00	633.00	(294,239.60)
15,900	2.40	25.05	0.80	48.00	626.25	(294,817.85)
15,925	2.35	25.35	0.80	47.00	633.75	(295,404.60)
15,950	2.12	30.78	0.80	42.40	769.50	(296,131.70)
15,975	1.50	33.50	0.80	30.00	837.50	(296,939.20)
16,000	1.22	34.70	0.80	24.40	867.50	(297,782.30)
16,025	1.30	33.40	0.80	26.00	835.00	(298,591.30)
16,050	1.35	32.25	0.80	27.00	806.25	(299,370.55)
16,075	2.42	27.45	0.80	48.40	686.25	(300,008.40)
16,100	3.00	21.90	0.80	60.00	547.50	(300,495.90)
16,125	3.52	20.75	0.80	70.40	518.75	(300,944.25)
16,150	3.65	20.75	0.80	73.00	518.75	(301,390.00)
16,175	4.32	18.32	0.80	86.40	458.00	(301,761.60)
16,200	4.72	15.60	0.80	94.40	390.00	(302,057.20)
16,225	3.62	16.63	0.80	72.40	415.75	(302,400.55)
16,250	2.58	17.13	0.80	51.60	428.25	(302,777.20)
16,275	1.07	15.32	0.80	21.40	383.00	(303,138.80)
16,300	2.90	13.80	0.80	58.00	345.00	(303,425.80)
16,325	2.30	13.55	0.80	46.00	338.75	(303,718.55)
16,350	1.63	13.83	0.80	32.60	345.75	(304,031.70)
16,375	1.00	15.98	0.80	20.00	399.50	(304,411.20)
16,400	0.60	18.25	0.80	12.00	456.25	(304,855.45)
16,425	0.25	18.68	0.80	5.00	467.00	(305,317.45)
16,450	-	19.08	0.80	-	477.00	(305,794.45)
16,475	-	20.18	0.80	-	504.50	(306,298.95)
16,500	-	21.12	0.80	-	528.00	(306,826.95)
16,525	-	24.35	0.80	-	608.75	(307,435.70)
16,550	-	28.45	0.80	-	711.25	(308,146.95)
16,575	0.20	26.50	0.80	4.00	662.50	(308,805.45)
16,600	0.30	22.50	0.80	6.00	562.50	(309,361.95)
16,625	0.38	20.58	0.80	7.60	514.50	(309,868.85)
16,650	0.22	19.58	0.80	4.40	489.50	(310,353.95)
16,675	-	21.08	0.80	-	527.00	(310,880.95)
16,700	0.88	22.10	0.80	17.60	552.50	(311,415.85)
16,725	-	21.08	0.80	-	527.00	(311,942.85)
16,750	-	17.05	0.80	-	426.25	(312,369.10)
16,775	-	13.72	0.80	-	343.00	(312,712.10)
16,800	-	12.25	0.80	-	306.25	(313,018.35)
16,825	-	10.45	0.80	-	261.25	(313,279.60)
16,850	1.38	6.25	0.80	27.60	156.25	(313,408.25)
16,875	1.50	4.60	0.80	30.00	115.00	(313,493.25)
16,900	0.65	9.22	0.80	13.00	230.50	(313,710.75)
16,925	0.58	13.18	0.80	11.60	329.50	(314,028.65)
16,950	-	17.42	0.80	-	435.50	(314,464.15)
16,975	-	17.70	0.80	-	442.50	(314,906.65)
17,000	-	19.00	0.80	-	475.00	(315,381.65)
17,025	-	19.25	0.80	-	481.25	(315,862.90)
17,050	0.50	17.35	0.80	10.00	433.75	(316,286.65)
17,075	-	15.05	0.80	-	376.25	(316,662.90)
17,100	2.00	13.75	0.80	40.00	343.75	(316,966.65)

Prog. m	Área del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
17,125	2.50	14.25	0.80	50.00	356.25	(317,272.90)
17,150	2.35	19.40	0.80	47.00	485.00	(317,710.90)
17,175	2.05	25.18	0.80	41.00	629.50	(318,299.40)
17,200	1.68	26.00	0.80	33.60	650.00	(318,915.80)
17,225	2.78	23.45	0.80	55.60	586.25	(319,446.45)
17,250	5.30	19.90	0.80	106.00	497.50	(319,837.95)
17,275	6.15	17.35	0.80	123.00	433.75	(320,148.70)
17,300	4.08	15.40	0.80	81.60	385.00	(320,452.10)
17,325	4.02	15.00	0.80	80.40	375.00	(320,746.70)
17,350	4.05	14.75	0.80	81.00	368.75	(321,034.45)
17,375	3.72	14.42	0.80	74.40	360.50	(321,320.55)
17,400	2.85	15.45	0.80	57.00	386.25	(321,649.80)
17,425	1.88	17.00	0.80	37.60	425.00	(322,037.20)
17,450	1.14	19.93	0.80	22.80	498.25	(322,512.65)
17,475	0.88	19.32	0.80	17.60	483.00	(322,978.05)
17,500	0.95	18.90	0.80	19.00	472.50	(323,431.55)
17,525	0.45	19.30	0.80	9.00	482.50	(323,905.05)
17,550	-	21.65	0.80	-	541.25	(324,446.30)
17,575	-	24.13	0.80	-	603.25	(325,049.55)
17,600	-	27.00	0.80	-	675.00	(325,724.55)
17,625	0.33	11.53	0.80	6.60	288.25	(326,006.20)
17,650	0.40	30.00	0.80	8.00	750.00	(326,748.20)
17,675	2.53	26.48	0.80	50.60	662.00	(327,359.60)
17,700	4.32	25.22	0.80	86.40	630.50	(327,903.70)
17,725	6.00	20.00	0.80	120.00	500.00	(328,283.70)
17,750	7.15	16.53	0.80	143.00	413.25	(328,553.95)
17,775	4.25	21.82	0.80	85.00	545.50	(329,014.45)
17,800	1.90	25.65	0.80	38.00	641.25	(329,617.70)
17,825	2.93	23.75	0.80	58.60	593.75	(330,152.85)
17,850	3.48	22.38	0.80	69.60	559.50	(330,642.75)
17,875	3.73	20.25	0.80	74.60	506.25	(331,074.40)
17,900	4.45	18.42	0.80	89.00	460.50	(331,445.90)
17,925	5.00	16.82	0.80	100.00	420.50	(331,766.40)
17,950	5.58	15.88	0.80	111.60	397.00	(332,051.80)
17,975	5.48	15.92	0.80	109.60	398.00	(332,340.20)
18,000	5.37	15.98	0.80	107.40	399.50	(332,632.30)
18,025	5.92	15.55	0.80	118.40	388.75	(332,902.65)
18,050	6.08	14.68	0.80	121.60	367.00	(333,148.05)
18,075	4.72	15.98	0.80	94.40	399.50	(333,453.15)
18,100	4.02	17.90	0.80	80.40	447.50	(333,820.25)
18,125	2.83	18.25	0.80	56.60	456.25	(334,219.90)
18,150	1.68	17.22	0.80	33.60	430.50	(334,616.80)
18,175	2.30	19.00	0.80	46.00	475.00	(335,045.80)
18,200	1.05	22.93	0.80	21.00	573.25	(335,598.05)
18,225	-	25.82	0.80	-	645.50	(336,243.55)
18,250	-	26.82	0.80	-	670.50	(336,914.05)
18,275	0.55	29.32	0.80	11.00	733.00	(337,636.05)
18,300	-	29.70	0.80	-	742.50	(338,378.55)
18,325	-	29.60	0.80	-	740.00	(339,118.55)
18,350	-	25.40	0.80	-	635.00	(339,753.55)
18,375	-	18.22	0.80	-	455.50	(340,209.05)
18,400	-	16.95	0.80	-	423.75	(340,632.80)
18,425	-	18.55	0.80	-	463.75	(341,096.55)
18,450	-	20.95	0.80	-	523.75	(341,620.30)
18,475	-	19.82	0.80	-	495.50	(342,115.80)
18,500	-	17.40	0.80	-	435.00	(342,550.80)
18,525	-	14.05	0.80	-	351.25	(342,902.05)

Prog. m	Area del perfil		Coef.de Compact.	Volumen acumulado		Balance m3
	Desm m2	Terra m2		Desm m3	Terra m3	
18,550	2.28	10.60	0.80	45.60	265.00	(343,121.45)
18,575	-	6.25	0.80	-	156.25	(343,277.70)
18,600	-	10.05	0.80	-	251.25	(343,528.95)
18,625	-	9.50	0.80	-	237.50	(343,766.45)
18,650	-	9.35	0.80	-	233.75	(344,000.20)
18,675	-	13.80	0.80	-	345.00	(344,345.20)
18,700	-	17.10	0.80	-	427.50	(344,772.70)
18,725	-	18.53	0.80	-	463.25	
18,750	-	18.58	0.80	-	464.50	
18,775	-	2.17	0.80	-	54.25	
18,975				39,708.30	385,463.00	m³

PLANILLA RESUMEN DEL MOVIMIENTO DE SUELOS		
LONGITUD DE OBRA	18.95	Km
VOLUMEN TOTAL DE DESMONTE	49,635	m3
COEFICIENTE DE ESPONJAMIENTO ADOPTADO	1	
VOLUMEN TOTAL DE TERRAPLEN	385,463	m3
ALTURA DE TERRAPLEN PROMEDIO PARA TODA LA OBRA	1	m3
Deficit de suelo a obtener de prestamos a lo largo de la obra	345,755	m3

Consulta 8: En relación al Ítem 16, PROYECTO DE READECUACION, ADAPTACION Y EJECUCION DE ROTONDA DE ACCESO A CENTENARIO PROGRESIVA 8000, reiteramos la solicitud de que se proporcionen los ítems y cantidades que se tuvieron en cuenta para determinar el monto del Ítem 16, que forma parte del presupuesto oficial. La obra en cuestión supone un grado de complejidad importante que no se debe subvalorar, más aun cuando la Oferta a presentar tiene un precio tope. Por otro lado, tanto en las Especificaciones Técnicas como en la nota aclaratoria sin consulta N°2, se lee "... Los ítems, cantidades, materiales, planos, métodos constructivos, etc. que se detallan a continuación son sólo con fines ilustrativos y de permitir la cotización de las obras..." No se encuentra en el pliego los ítems y cantidades que hace referencia el párrafo citado.

Respuesta:

Respecto al Ítem 16: "Proyecto de Readecuación, Adaptación y Ejecución de la Rotonda de Acceso a Centenario – Progresiva 8000", se informa que el mismo ha sido presupuestado como ítem global, considerando los siguientes componentes orientativos de materiales, ejecución y mano de obra:

- 5.500 m² de demolición de ramas y carriles existentes
- 2.200 m³ de terraplén en zona de reforma
- 1.100 m³ de sub-base granular
- 1.100 m³ de base granular
- 5.500 m² de base asfáltica
- 5.500 m² de carpeta asfáltica
- Proyecto ejecutivo de reforma de rotonda (ítem global)

Estos parámetros tienen carácter indicativo y orientativo, en línea con lo

expresado en el Pliego y la Nota Aclaratoria sin consulta N° 2, y tienen por finalidad permitir la adecuada estimación y cotización de las tareas involucradas.

Sin otro particular, saludamos atte.



Provincia del Neuquén
2025

Hoja Adicional de Firmas

Número:

Referencia: CIRCULAR CON CONSULTA N° 03 - ACLARATORIA - LPI N° 03/25

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