Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
28+280.00		24.3401	20.00		24.6874		493.75	77.45	76.99	75.72
28+300.00		25.0346	20.00		24.9667		499.33	77.45	76.99	75.75
28+320.00		24.8987	20.00		23.7003		474.01	77.45	76.99	75.68
28+340.00		22.5019	20.00		21.6849		433.70	77.45	76.99	75.28
28+360.00		20.8678	20.00		20.0937		401.87	77.45	76.99	75.37
28+380.00		19.3195	20.00		20.2060		404.12	77.45	76.99	75.60
28+400.00		21.0925	20.00		18.6748		373.50	77.45	76.99	75.59
28+420.00		16.2571	20.00		15.0790		301.58	77.45	76.99	75.67
28+440.00		13.9009	20.00		13.8155		276.31	77.45	76.99	75.93
28+460.00		13.7301	20.00		13.1138		262.28	77.44	76.98	76.35
28+480.00		12.4975	20.00		11.6462		232.92	77.44	76.98	76.52
28+500.00		10.7948	20.00		10.4910		209.82	77.44	76.98	76.52
28+520.00		10.1872	20.00		10.0416		200.83	77.44	76.98	76.56
28+540.00		9.8959	20.00		9.9038		198.08	77.44	76.98	76.53
28+560.00		9.9116	20.00		10.4439		208.88	77.44	76.98	76.56
28+580.00		10.9762	20.00		11.0590		221.18	77.44	76.98	76.47
28+600.00		11.1418	20.00		11.5798		231.60	77.44	76.98	76.45
28+620.00		12.0178	20.00		12.0435		240.87	77.44	76.98	76.48
28+640.00		12.0692	20.00		11.6367		232.73	77.44	76.98	76.34
28+660.00		11.2041	20.00		11.1856		223.71	77.44	76.98	76.44
28+680.00		11.1670	20.00		11.1911		223.82	77.44	76.98	76.45
28+700.00		11.2151	20.00		11.2000		224.00	77.44	76.98	76.48
28+720.00		11.1849	20.00		11.7797		235.59	77.44	76.98	76.54
28+740.00		12.3745	20.00		12.4516		249.03	77.44	76.98	76.48
28+760.00		12.5287	20.00		12.6037		252.07	77.44	76.98	76.48
28+780.00		12.6786	20.00		12.1842		243.68	77.44	76.98	76.49
28+800.00		11.6897	20.00		11.5281		230.56	77.44	76.98	76.42
28+820.00		11.3665	20.00		11.4547		229.09	77.44	76.98	76.42
28+840.00		11.5429	20.00		11.4845		229.69	77.44	76.98	76.35
28+860.00		11.4260	20.00		11.7977		235.95	77.44	76.98	76.39
28+880.00		12.1694	20.00		13.7522		275.04	77.44	76.98	76.39
28+900.00		15.3350	20.00		14.5233		290.47	77.44	76.98	76.39
28+920.00		13.7115	20.00		13.7596		275.19	77.44	76.98	76.42
28+940.00		13.8076	20.00		14.1891		283.78	77.44	76.98	76.42
28+960.00		14.5705	20.00		13.5719		271.44	77.44	76.98	76.39
28+980.00		12.5732	20.00		12.1850		243.70	77.44	76.98	76.42
29+000.00		11.7967	20.00		12.6631		253.26	77.44	76.98	76.40
29+020.00		13.5294	20.00		14.3042		286.08	77.46	77.00	76.31
29+040.00		15.0789	20.00		13.8423		276.85	77.46	77.00	76.26
29+060.00		12.6056	20.00		11.2348		224.70	77.46	77.00	76.48
29+080.00		9.8639	20.00		8.9620		179.24	77.46	77.00	76.62
29+100.00		8.0601	20.00		7.3866		147.73	77.46	77.00	76.76
29+120.00		6.7131	20.00		7.0819		141.64	77.46	77.00	76.94
29+140.00		7.4507	20.00		8.6541		173.08	77.46	77.00	76.95
29+160.00		9.8575	20.00		9.2619		185.24	77.46	77.00	76.97
29+180.00		8.6663	20.00		11.1987		223.97	77.46	77.00	76.97
29+200.00		13.7311	20.00		11.4554		229.11	77.46	77.00	76.67
29+220.00		9.1796	20.00	-0.0111	8.2492	-0.22	164.98	77.46	77.00	77.00
29+240.00	-0.0222	7.3187	20.00	-0.0927	15.8261	-1.85	316.52	77.46	77.00	77.04
29+260.00	-0.1631	24.3335	20.00	-0.0816	21.1238	-1.63	422.48	77.46	77.00	77.08
29+280.00		17.9140	20.00		15.8406		316.81	77.46	77.00	76.97
29+300.00		13.7672	20.00		13.4729		269.46	77.46	77.00	76.95
29+320.00		13.1786	20.00		12.6216		252.43	77.46	77.00	76.97
29+340.00		12.0645	20.00		12.2670		245.34	77.46	77.00	76.97
29+360.00		12.4694	20.00		13.0252		260.50	77.46	77.00	76.89
29+380.00		13.5810	20.00		13.0036		260.07	77.46	77.00	76.82
29+400.00		12.4261	20.00		12.1201		242.40	77.46	77.00	76.87
29+420.00		11.8140	20.00		11.6728		233.46	77.46	77.00	76.86
29+440.00		11.5315	20.00		13.3806		267.61	77.46	77.00	76.77
29+460.00		15.2297	20.00		14.7459		294.92	77.46	77.00	76.67
29+480.00		14.2621	20.00		15.0695		301.39	77.46	77.00	76.49
29+500.00		15.8768	20.00		16.2166		324.33	77.46	77.00	76.45
29+520.00		16.5563	20.00		17.8493		356.99	77.43	76.97	76.42
29+540.00		19.1423	20.00		19.6679		393.36	77.40	76.94	76.23

Perfil 4 Win

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
29+560.00		20.1934	20.00		18.1327		362.65	77.40	76.94	76.13
29+580.00		16.0719	20.00		16.3372		326.74	77.40	76.94	76.27
29+600.00		16.6024	20.00		16.5678		331.36	77.40	76.94	76.14
29+620.00		16.5332	20.00		16.5206		330.41	77.40	76.94	76.22
29+640.00		16.5080	20.00		16.1227		322.45	77.40	76.94	76.18
29+660.00		15.7373	20.00		15.0348		300.70	77.40	76.94	76.22
29+680.00		14.3323	20.00		14.2967		285.93	77.40	76.94	76.32
29+700.00		14.2610	20.00		13.9654		279.31	77.40	76.94	76.31
29+720.00		13.6698	20.00		13.2957		265.91	77.40	76.94	76.30
29+740.00		12.9215	20.00		12.3038		246.08	77.40	76.94	76.31
29+760.00		11.6861	20.00		11.7956		235.91	77.40	76.94	76.35
29+780.00		11.9051	20.00		13.3405		266.81	77.40	76.94	76.23
29+800.00		14.7758	20.00		14.7844		295.69	77.40	76.94	76.07
29+820.00		14.7929	20.00		14.2469		284.94	77.40	76.94	76.05
29+840.00		13.7008	20.00		13.2414		264.83	77.40	76.94	76.13
29+860.00		12.7820	20.00		12.9029		258.06	77.40	76.94	76.25
29+880.00		13.0238	20.00		12.7081		254.16	77.40	76.94	76.29
29+900.00		12.3924	20.00		12.2500		245.00	77.40	76.94	76.31
29+920.00		12.1075	20.00		11.8455		236.91	77.39	76.93	76.36
29+940.00		11.5835	20.00		11.7202		234.40	77.39	76.93	76.34
29+960.00		11.8569	20.00		11.7965		235.93	77.39	76.93	76.34
29+980.00		11.7360	20.00		11.5598		231.20	77.39	76.93	76.35
30+000.00		11.3836	20.00		11.1200		222.40	77.39	76.93	76.37
30+020.00		10.8563	20.00		10.7670		215.34	77.39	76.93	76.41
30+040.00		10.6777	20.00		11.2653		225.31	77.39	76.93	76.36
30+060.00		11.8528	20.00		12.4184		248.37	77.39	76.93	76.32
30+080.00		12.9840	20.00		13.7359		274.72	77.39	76.93	76.20
30+100.00		14.4877	20.00		14.6726		293.45	77.39	76.93	76.06
30+120.00		14.8575	20.00		16.3069		326.14	77.39	76.93	76.04
30+140.00		17.7562	20.00		18.6107		372.21	77.39	76.93	75.96
30+160.00		19.4652	20.00		20.5592		411.18	77.39	76.93	75.94
30+180.00		21.6531	20.00		22.1366		442.73	77.39	76.93	75.75
30+200.00		22.6201	20.00		22.9735		459.47	77.39	76.93	75.76
30+220.00		23.3268	20.00		23.8144		476.29	77.39	76.93	75.66
30+240.00		24.3020	20.00		26.1211		522.42	77.39	76.93	75.61
30+260.00		27.9402	20.00		27.9656		559.31	77.39	76.93	75.53
30+280.00		27.9910	20.00		28.2537		565.07	77.39	76.93	75.35
30+300.00		28.5164	20.00		30.2140		604.28	77.39	76.93	75.34
30+320.00		31.9116	20.00		31.3497		626.99	77.39	76.93	75.39
30+340.00		30.7878	20.00		31.6600		633.20	77.39	76.93	75.51
30+360.00		32.5322	20.00		32.5659		651.32	77.39	76.93	75.65
30+380.00		32.5996	20.00		31.2019		624.04	77.39	76.93	75.84
30+400.00		29.8042	20.00		35.0759		701.52	77.39	76.93	75.93
30+420.00		40.3476	20.00		37.0062		740.12	77.39	76.93	75.49
30+440.00		33.6647	20.00		34.0304		680.61	77.39	76.93	75.31
30+460.00		34.3961	20.00		35.0117		700.23	77.39	76.93	75.15
30+480.00		35.6273	20.00		35.0076		700.15	77.39	76.93	74.94
30+500.00		34.3879	20.00		33.4392		668.78	77.39	76.93	75.04
30+520.00		32.4905	20.00		30.9965		619.93	77.39	76.93	75.03
30+540.00		29.5024	20.00		31.5241		630.48	77.39	76.93	75.15
30+560.00		33.5458	20.00		33.3577		667.15	77.39	76.93	75.16
30+580.00		33.1695	20.00		32.9249		658.50	77.39	76.93	75.13
30+600.00		32.6803	20.00		32.7543		655.09	77.39	76.93	75.17
30+620.00		32.8282	20.00		31.8358		636.72	77.39	76.93	75.14
30+640.00		30.8433	20.00		29.3743		587.49	77.38	76.92	75.19
30+660.00		27.9052	20.00		27.6119		552.24	77.38	76.92	75.49
30+680.00		27.3185	20.00		28.9859		579.72	77.38	76.92	75.47
30+700.00		30.6532	20.00		30.1179		602.36	77.38	76.92	75.40
30+720.00		29.5826	20.00		29.8420		596.84	77.38	76.92	75.43
30+740.00		30.1013	20.00		28.5952		571.90	77.38	76.92	75.40
30+760.00		27.0890	20.00		28.1507		563.01	77.38	76.92	75.37
30+780.00		29.2124	20.00		28.7037		574.07	77.38	76.92	75.44
30+800.00		28.1950	20.00		28.1424		562.85	77.38	76.92	75.45
30+820.00		28.0897	20.00		27.6900		553.80	77.38	76.92	75.43

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920
Tramo:
Tipo: Proyecto
Volúmen: Total ⇐
Banquina Izquierda
Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
30+840.00		27.2903	20.00		27.1195		542.39	77.38	76.92	75.52
30+860.00		26.9486	20.00		26.4704		529.41	77.38	76.92	75.51
30+880.00		25.9921	20.00		25.4320		508.64	77.38	76.92	75.49
30+900.00		24.8718	20.00		24.0188		480.38	77.38	76.92	75.56
30+920.00		23.1658	20.00		22.7342		454.68	77.38	76.92	75.69
30+940.00		22.3026	20.00		20.6015		412.03	77.38	76.92	75.79
30+960.00		18.9004	20.00		17.1967		343.93	77.38	76.92	75.98
30+980.00		15.4930	20.00		13.6223		272.45	77.38	76.92	76.10
31+000.00		11.7515	20.00		10.3069		206.14	77.38	76.92	76.35
31+020.00		8.8623	20.00		8.2116		164.23	77.39	76.93	76.49
31+040.00		7.5609	20.00		7.0462		140.92	77.39	76.93	76.60
31+060.00		6.5314	20.00		6.2753		125.51	77.39	76.93	76.63
31+080.00		6.0192	20.00		5.6446		112.89	77.39	76.93	76.62
31+100.00		5.2700	20.00		5.4217		108.43	77.39	76.93	76.67
31+120.00		5.5734	20.00		5.6940		113.88	77.40	76.94	76.68
31+140.00		5.8146	20.00		6.1780		123.56	77.40	76.94	76.60
31+160.00		6.5413	20.00		6.8505		137.01	77.40	76.94	76.64
31+180.00		7.1596	20.00		8.0636		161.27	77.40	76.94	76.57
31+200.00		8.9675	20.00		9.8456		196.91	77.40	76.94	76.40
31+220.00		10.7236	20.00		11.9608		239.22	77.41	76.95	76.32
31+240.00		13.1979	20.00		15.0545		301.09	77.41	76.95	76.20
31+260.00		16.9111	20.00		18.6359		372.72	77.41	76.95	76.04
31+280.00		20.3606	20.00		22.7014		454.03	77.41	76.95	75.78
31+300.00		25.0422	20.00		28.0037		560.07	77.41	76.95	75.64
31+320.00		30.9651	20.00		29.6047		592.09	77.42	76.96	75.59
31+340.00		28.2442	20.00		25.1669		503.34	77.42	76.96	75.68
31+360.00		22.0895	20.00		24.6253		492.51	77.42	76.96	75.96
31+380.00		27.1610	20.00		25.1238		502.48	77.42	76.96	76.39
31+400.00		23.0866	20.00	-0.3163	21.7497	-6.33	434.99	77.42	76.96	76.88
31+420.00	-0.6326	20.4128	20.00	-1.4646	24.8598	-29.29	497.20	77.43	76.97	77.17
31+440.00	-2.2966	29.3067	20.00	-1.1483	28.0650	-22.97	561.30	77.43	76.97	77.34
31+460.00		26.8233	20.00		34.0082		680.16	77.43	76.97	76.70
31+480.00		41.1931	20.00		45.0706		901.41	77.43	76.97	76.08
31+500.00		48.9480	20.00		48.2608		965.22	77.43	76.97	75.53
31+520.00		47.5736	20.00		54.8154		1,096.31	77.44	76.98	75.13
31+540.00		62.0572	20.00		58.4047		1,168.09	77.44	76.98	74.74
31+560.00		54.7521	20.00		51.3132		1,026.26	77.44	76.98	74.64
31+580.00		47.8743	20.00		47.8736		957.47	77.44	76.98	74.56
31+600.00		47.8728	20.00		47.3855		947.71	77.44	76.98	74.64
31+620.00		46.8982	20.00		45.5018		910.04	77.45	76.99	74.64
31+640.00		44.1053	20.00		41.7921		835.84	77.45	76.99	74.54
31+660.00		39.4788	20.00		35.9565		719.13	77.45	76.99	74.73
31+680.00		32.4342	20.00		38.1204		762.41	77.45	76.99	75.02
31+700.00		43.8065	20.00		33.8464		676.93	77.45	76.99	75.37
31+720.00		23.8862	20.00		21.1458		422.92	77.46	77.00	75.68
31+740.00		18.4054	20.00		15.4195		308.39	77.46	77.00	75.87
31+760.00		12.4336	20.00		11.7774		235.55	77.46	77.00	76.20
31+780.00		11.1211	20.00		11.6737		233.47	77.46	77.00	76.27
31+800.00		12.2263	20.00		12.4299		248.60	77.46	77.00	76.29
31+820.00		12.6334	20.00		13.5092		270.18	77.46	77.00	76.28
31+840.00		14.3850	20.00		15.2105		304.21	77.47	77.01	76.15
31+860.00		16.0360	20.00		16.0805		321.61	77.47	77.01	76.27
31+880.00		16.1250	20.00		16.4716		329.43	77.47	77.01	76.25
31+900.00		16.8181	20.00		17.3121		346.24	77.47	77.01	76.20
31+920.00		17.8061	20.00		17.9021		358.04	77.47	77.01	76.19
31+940.00		17.9981	20.00		17.4437		348.87	77.48	77.02	76.15
31+960.00		16.8892	20.00		16.9422		338.84	77.48	77.02	76.20
31+980.00		16.9952	20.00		17.5360		350.72	77.48	77.02	76.18
32+000.00		18.0768	20.00		17.7655		355.31	77.48	77.02	76.10
32+020.00		17.4542	20.00		17.6130		352.26	77.48	77.02	76.09
32+040.00		17.7718	20.00		17.6059		352.12	77.49	77.03	76.12
32+060.00		17.4399	20.00		17.7738		355.48	77.49	77.03	76.10
32+080.00		18.1077	20.00		16.9081		338.16	77.49	77.03	76.11
32+100.00		15.7084	20.00		15.2973		305.95	77.49	77.03	76.15

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
32+120.00		14.8862	20.00		14.9207		298.41	77.49	77.03	76.24
32+140.00		14.9552	20.00		15.0004		300.01	77.50	77.04	76.31
32+160.00		15.0455	20.00		15.8449		316.90	77.50	77.04	76.27
32+180.00		16.6442	20.00		15.9702		319.40	77.50	77.04	76.24
32+200.00		15.2962	20.00		15.0012		300.02	77.50	77.04	76.25
32+220.00		14.7062	20.00		14.9969		299.94	77.50	77.04	76.26
32+240.00		15.2876	20.00		15.3362		306.72	77.51	77.05	76.24
32+260.00		15.3847	20.00		15.8288		316.58	77.51	77.05	76.26
32+280.00		16.2729	20.00		16.9093		338.19	77.51	77.05	76.13
32+300.00		17.5456	20.00		16.5316		330.63	77.51	77.05	76.13
32+320.00		15.5176	20.00		15.9098		318.20	77.51	77.05	76.19
32+340.00		16.3020	20.00		17.2534		345.07	77.52	77.06	76.19
32+360.00		18.2047	20.00		18.0969		361.94	77.52	77.06	76.16
32+380.00		17.9891	20.00		17.8692		357.38	77.52	77.06	76.11
32+400.00		17.7492	20.00		16.8523		337.05	77.52	77.06	76.08
32+420.00		15.9554	20.00		15.9171		318.34	77.52	77.06	76.15
32+440.00		15.8787	20.00		17.4418		348.84	77.53	77.07	76.15
32+460.00		19.0049	20.00		19.1878		383.76	77.53	77.07	76.09
32+480.00		19.3706	20.00		18.9357		378.71	77.53	77.07	76.12
32+500.00		18.5007	20.00		20.6006		412.01	77.53	77.07	76.17
32+520.00		22.7004	20.00		22.9673		459.35	77.53	77.07	76.05
32+540.00		23.2342	20.00		22.7831		455.66	77.54	77.08	76.01
32+560.00		22.3320	20.00		22.7271		454.54	77.54	77.08	76.02
32+580.00		23.1222	20.00		23.6748		473.50	77.54	77.08	76.08
32+600.00		24.2273	20.00		22.5205		450.41	77.54	77.08	76.02
32+620.00		20.8137	20.00		20.3386		406.77	77.54	77.08	76.04
32+640.00		19.8635	20.00		19.6021		392.04	77.54	77.08	76.08
32+660.00		19.3406	20.00		19.9342		398.68	77.54	77.08	76.07
32+680.00		20.5278	20.00		21.1739		423.48	77.54	77.08	76.03
32+700.00		21.8199	20.00		20.8715		417.43	77.54	77.08	76.04
32+720.00		19.9230	20.00		19.7121		394.24	77.54	77.08	76.09
32+740.00		19.5012	20.00		19.7311		394.62	77.54	77.08	76.09
32+760.00		19.9610	20.00		19.6474		392.95	77.54	77.08	76.02
32+780.00		19.3338	20.00		19.4107		388.21	77.54	77.08	76.14
32+800.00		19.4876	20.00		18.9241		378.48	77.54	77.08	76.09
32+820.00		18.3605	20.00		18.6185		372.37	77.53	77.07	76.20
32+840.00		18.8764	20.00		19.0638		381.28	77.53	77.07	76.11
32+860.00		19.2512	20.00		19.5624		391.25	77.53	77.07	76.09
32+880.00		19.8735	20.00		19.3205		386.41	77.53	77.07	76.08
32+900.00		18.7675	20.00		19.6448		392.90	77.53	77.07	76.07
32+920.00		20.5221	20.00		21.3747		427.49	77.53	77.07	76.01
32+940.00		22.2272	20.00		22.8374		456.75	77.53	77.07	75.95
32+960.00		23.4476	20.00		23.1903		463.81	77.53	77.07	75.97
32+980.00		22.9329	20.00		23.0442		460.88	77.53	77.07	76.11
33+000.00		23.1554	20.00		22.8654		457.31	77.53	77.07	76.06
33+020.00		22.5754	20.00		27.2278		544.56	77.53	77.07	76.07
33+040.00		31.8801	20.00		30.2965		605.93	77.53	77.07	76.07
33+060.00		28.7129	20.00		30.1262		602.52	77.53	77.07	76.23
33+080.00		31.5395	20.00		31.3950		627.90	77.53	77.07	75.90
33+100.00		31.2504	20.00		31.1561		623.12	77.53	77.07	76.01
33+120.00		31.0618	20.00		31.3993		627.99	77.53	77.07	75.97
33+140.00		31.7367	20.00		32.6826		653.65	77.53	77.07	76.02
33+160.00		33.6285	20.00		32.3162		646.32	77.53	77.07	76.04
33+180.00		31.0039	20.00		32.0358		640.72	77.53	77.07	76.09
33+200.00		33.0677	20.00		31.7423		634.85	77.53	77.07	76.19
33+220.00		30.4168	20.00		31.3851		627.70	77.52	77.06	76.05
33+240.00		32.3534	20.00		30.7643		615.29	77.52	77.06	75.90
33+260.00		29.1751	20.00		28.6824		573.65	77.52	77.06	75.89
33+280.00		28.1897	20.00		28.3608		567.22	77.52	77.06	75.92
33+300.00		28.5318	20.00		27.8930		557.86	77.52	77.06	75.92
33+320.00		27.2541	20.00		24.7019		494.04	77.52	77.06	75.94
33+340.00		22.1496	20.00		21.7160		434.32	77.52	77.06	76.04
33+360.00		21.2823	20.00		21.3294		426.59	77.52	77.06	76.11
33+380.00		21.3764	20.00		21.6039		432.08	77.52	77.06	76.11

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
33+400.00		21.8313	20.00		20.9972		419.94	77.52	77.06	76.08
33+420.00		20.1630	20.00		20.4950		409.90	77.52	77.06	76.06
33+440.00		20.8270	20.00		20.6932		413.86	77.52	77.06	76.08
33+460.00		20.5593	20.00		20.8259		416.52	77.52	77.06	76.10
33+480.00		21.0925	20.00		21.2095		424.19	77.52	77.06	76.10
33+500.00		21.3265	20.00		21.5007		430.01	77.52	77.06	76.08
33+520.00		21.6748	20.00		21.8366		436.73	77.52	77.06	76.01
33+540.00		21.9983	20.00		22.1748		443.50	77.52	77.06	76.12
33+560.00		22.3513	20.00		22.2765		445.53	77.52	77.06	76.09
33+580.00		22.2016	20.00		21.7252		434.50	77.52	77.06	76.10
33+600.00		21.2487	20.00		21.0422		420.84	77.52	77.06	76.09
33+620.00		20.8357	20.00		20.9015		418.03	77.51	77.05	76.10
33+640.00		20.9672	20.00		21.3351		426.70	77.51	77.05	76.09
33+660.00		21.7030	20.00		21.6263		432.53	77.51	77.05	76.05
33+680.00		21.5496	20.00		21.1212		422.42	77.51	77.05	76.05
33+700.00		20.6928	20.00		21.4431		428.86	77.51	77.05	76.09
33+720.00		22.1934	20.00		21.7938		435.88	77.51	77.05	76.06
33+740.00		21.3941	20.00		22.3440		446.88	77.51	77.05	76.03
33+760.00		23.2939	20.00		23.7434		474.87	77.51	77.05	76.01
33+780.00		24.1928	20.00		23.5152		470.30	77.51	77.05	75.99
33+800.00		22.8375	20.00		23.8978		477.96	77.51	77.05	75.94
33+820.00		24.9580	20.00		24.9559		499.12	77.51	77.05	75.94
33+840.00		24.9538	20.00		25.7448		514.90	77.51	77.05	75.83
33+860.00		26.5357	20.00		27.1744		543.49	77.51	77.05	75.71
33+880.00		27.8131	20.00		28.9545		579.09	77.51	77.05	75.55
33+900.00		30.0958	20.00		30.4082		608.16	77.51	77.05	75.57
33+920.00		30.7205	20.00		30.4162		608.32	77.51	77.05	75.51
33+940.00		30.1118	20.00		30.3062		606.12	77.51	77.05	75.38
33+960.00		30.5006	20.00		29.7155		594.31	77.51	77.05	75.20
33+980.00		28.9303	20.00		32.8325		656.65	77.51	77.05	74.91
34+000.00		36.7346	20.00		36.5726		731.45	77.51	77.05	74.79
34+020.00		36.4106	20.00		36.8855		737.71	77.50	77.04	74.84
34+040.00		37.3603	20.00		37.8290		756.58	77.50	77.04	74.75
34+060.00		38.2977	20.00		38.7441		774.88	77.50	77.04	74.80
34+080.00		39.1904	20.00		39.9732		799.46	77.50	77.04	74.68
34+100.00		40.7560	20.00		41.5314		830.63	77.50	77.04	74.51
34+120.00		42.3068	20.00		42.4483		848.97	77.50	77.04	74.53
34+140.00		42.5898	20.00		42.9964		859.93	77.50	77.04	74.63
34+160.00		43.4030	20.00		43.5874		871.75	77.50	77.04	74.49
34+180.00		43.7717	20.00		43.9363		878.73	77.50	77.04	74.56
34+200.00		44.1009	20.00		45.6845		913.69	77.50	77.04	74.65
34+220.00		47.2680	20.00		46.5873		931.75	77.50	77.04	74.54
34+240.00		45.9066	20.00		47.9016		958.03	77.50	77.04	74.66
34+260.00		49.8966	20.00		50.4688		1,009.38	77.50	77.04	74.51
34+280.00		51.0409	20.00		50.0464		1,000.93	77.50	77.04	74.30
34+300.00		49.0519	20.00		48.0452		960.90	77.50	77.04	74.43
34+320.00		47.0385	20.00		47.1294		942.59	77.50	77.04	74.71
34+340.00		47.2202	20.00		47.8401		956.80	77.50	77.04	74.55
34+360.00		48.4599	20.00		48.8999		978.00	77.50	77.04	74.54
34+380.00		49.3398	20.00		51.4720		1,029.44	77.50	77.04	74.53
34+400.00		53.6042	20.00		53.8094		1,076.19	77.50	77.04	74.44
34+420.00		54.0145	20.00		54.7696		1,095.39	77.49	77.03	74.39
34+440.00		55.5246	20.00		53.9605		1,079.21	77.49	77.03	74.42
34+460.00		52.3963	20.00		51.5202		1,030.40	77.49	77.03	74.46
34+480.00		50.6440	20.00		51.9878		1,039.76	77.49	77.03	74.44
34+500.00		53.3315	20.00		54.8268		1,096.54	77.49	77.03	74.42
34+520.00		56.3220	20.00		55.7753		1,115.51	77.49	77.03	74.38
34+540.00		55.2286	20.00		53.8410		1,076.82	77.49	77.03	74.46
34+560.00		52.4533	20.00		52.5305		1,050.61	77.49	77.03	74.53
34+580.00		52.6076	20.00		51.9163		1,038.33	77.49	77.03	74.55
34+600.00		51.2249	20.00		51.0084		1,020.17	77.49	77.03	74.47
34+620.00		50.7919	20.00		52.3938		1,047.88	77.49	77.03	74.52
34+640.00		53.9957	20.00		54.5391		1,090.78	77.49	77.03	74.63
34+660.00		55.0825	20.00		53.6113		1,072.23	77.49	77.03	74.55

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m^2	m^2	m.	m^2	m^2	m^3	m^3	m	m	m
34+680.00		52.1400	20.00		52.4640		1,049.28	77.49	77.03	74.47
34+700.00		52.7879	20.00		52.2665		1,045.33	77.49	77.03	74.57
34+720.00		51.7451	20.00		50.8087		1,016.17	77.49	77.03	74.60
34+740.00		49.8722	20.00		50.5129		1,010.26	77.49	77.03	74.70
34+760.00		51.1536	20.00		50.1985		1,003.97	77.49	77.03	74.70
34+780.00		49.2433	20.00		50.5445		1,010.89	77.49	77.03	74.66
34+800.00		51.8456	20.00		51.1694		1,023.39	77.49	77.03	74.62
34+820.00		50.4931	20.00		50.4272		1,008.54	77.48	77.02	74.62
34+840.00		50.3612	20.00		51.3448		1,026.90	77.48	77.02	74.62
34+860.00		52.3284	20.00		51.7157		1,034.31	77.48	77.02	74.59
34+880.00		51.1029	20.00		49.1098		982.20	77.48	77.02	74.60
34+900.00		47.1167	20.00		47.9519		959.04	77.48	77.02	74.86
34+920.00		48.7870	20.00		49.8568		997.14	77.48	77.02	74.77
34+940.00		50.9265	20.00		48.9641		979.28	77.48	77.02	74.61
34+960.00		47.0017	20.00		48.0167		960.33	77.48	77.02	74.69
34+980.00		49.0317	20.00		50.1812		1,003.62	77.48	77.02	74.78
35+000.00		51.3307	20.00		52.4796		1,049.59	77.48	77.02	74.64
35+020.00		53.6284	20.00		54.7293		1,094.59	77.48	77.02	74.55
35+040.00		55.8302	20.00		53.4169		1,068.34	77.48	77.02	74.41
35+060.00		51.0035	20.00		50.9360		1,018.72	77.48	77.02	74.72
35+080.00		50.8685	20.00		42.3924		847.85	77.48	77.02	74.89
35+100.00		33.9162	20.00		34.1435		682.87	77.48	77.02	75.60
35+120.00		34.3707	20.00		33.5084		670.17	77.48	77.02	75.49
35+140.00		32.6460	20.00		34.5872		691.74	77.48	77.02	75.62
35+160.00		36.5283	20.00		35.9802		719.60	77.48	77.02	75.60
35+180.00		35.4321	20.00		33.5528		671.06	77.48	77.02	75.89
35+200.00		31.6734	20.00		41.1872		823.74	77.48	77.02	75.84
35+220.00		50.7010	20.00		51.1222		1,022.44	77.47	77.01	74.84
35+240.00		51.5433	20.00		50.8307		1,016.61	77.47	77.01	74.74
35+260.00		50.1181	20.00		50.6466		1,012.93	77.47	77.01	74.77
35+280.00		51.1751	20.00		51.9679		1,039.36	77.47	77.01	74.74
35+300.00		52.7607	20.00		50.8760		1,017.52	77.47	77.01	74.71
35+320.00		48.9913	20.00		48.9081		978.16	77.47	77.01	74.81
35+340.00		48.8249	20.00		48.8372		976.74	77.47	77.01	74.83
35+360.00		48.8494	20.00		45.1841		903.68	77.47	77.01	74.88
35+380.00		41.5187	20.00		40.8731		817.46	77.47	77.01	75.38
35+400.00		40.2275	20.00		40.7949		815.90	77.47	77.01	75.55
35+420.00		41.3623	20.00		41.1276		822.55	77.47	77.01	75.30
35+440.00		40.8928	20.00		40.5583		811.17	77.47	77.01	75.18
35+460.00		40.2238	20.00		40.6344		812.69	77.47	77.01	75.08
35+480.00		41.0449	20.00		40.4941		809.88	77.47	77.01	75.10
35+500.00		39.9432	20.00		39.0462		780.92	77.47	77.01	75.12
35+520.00		38.1491	20.00		39.6766		793.53	77.47	77.01	75.07
35+540.00		41.2040	20.00		37.9595		759.19	77.47	77.01	75.13
35+560.00		34.7149	20.00		34.2275		684.55	77.47	77.01	75.25
35+580.00		33.7401	20.00		33.0067		660.13	77.47	77.01	75.39
35+600.00		32.2733	20.00		33.6844		673.69	77.47	77.01	75.40
35+620.00		35.0955	20.00		34.7295		694.59	77.46	77.00	75.55
35+640.00		34.3634	20.00		34.8268		696.54	77.46	77.00	75.56
35+660.00		35.2902	20.00		34.5445		690.89	77.46	77.00	75.58
35+680.00		33.7988	20.00		33.6342		672.68	77.46	77.00	75.59
35+700.00		33.4696	20.00		32.8496		656.99	77.46	77.00	75.64
35+720.00		32.2296	20.00		31.7480		634.96	77.46	77.00	75.66
35+740.00		31.2663	20.00		30.0097		600.19	77.46	77.00	75.71
35+760.00		28.7531	20.00		28.7969		575.94	77.46	77.00	75.71
35+780.00		28.8406	20.00		28.9991		579.98	77.46	77.00	75.73
35+800.00		29.1575	20.00		29.7723		595.45	77.46	77.00	75.75
35+820.00		30.3870	20.00		32.2174		644.35	77.46	77.00	75.76
35+840.00		34.0477	20.00		32.6606		653.21	77.46	77.00	75.78
35+860.00		31.2734	20.00		32.0092		640.18	77.46	77.00	75.76
35+880.00		32.7450	20.00		31.1782		623.56	77.46	77.00	75.77
35+900.00		29.6113	20.00		29.8698		597.40	77.46	77.00	75.80
35+920.00		30.1282	20.00		29.1905		583.81	77.46	77.00	75.71
35+940.00		28.2528	20.00		29.1791		583.58	77.46	77.00	75.71

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m^2	m^2	m.	m^2	m^2	m^3	m^3	m	m	m
35+960.00		30.1053	20.00		30.7823		615.65	77.46	77.00	75.80
35+980.00		31.4593	20.00		29.8426		596.85	77.46	77.00	75.81
36+000.00		28.2258	20.00		28.2262		564.52	77.45	76.99	75.83
36+020.00		28.2266	20.00		29.6147		592.29	77.45	76.99	75.85
36+040.00		31.0027	20.00		31.5887		631.77	77.45	76.99	75.79
36+060.00		32.1747	20.00		31.4054		628.11	77.45	76.99	75.78
36+080.00		30.6361	20.00		32.8071		656.14	77.45	76.99	75.79
36+100.00		34.9781	20.00		34.0925		681.85	77.45	76.99	75.75
36+120.00		33.2068	20.00		33.7481		674.96	77.45	76.99	75.79
36+140.00		34.2893	20.00		33.1619		663.24	77.45	76.99	75.78
36+160.00		32.0344	20.00		31.3621		627.24	77.45	76.99	75.91
36+180.00		30.6897	20.00		31.4705		629.41	77.45	76.99	75.93
36+200.00		32.2513	20.00		32.3156		646.31	77.45	76.99	75.79
36+220.00		32.3799	20.00		32.5812		651.62	77.45	76.99	75.78
36+240.00		32.7824	20.00		33.8000		676.00	77.45	76.99	75.76
36+260.00		34.8175	20.00		34.1550		683.10	77.45	76.99	75.66
36+280.00		33.4925	20.00		33.0225		660.45	77.45	76.99	75.81
36+300.00		32.5524	20.00		32.3555		647.11	77.45	76.99	75.86
36+320.00		32.1585	20.00		31.4545		629.09	77.44	76.98	75.84
36+340.00		30.7504	20.00		30.9895		619.79	77.44	76.98	75.86
36+360.00		31.2286	20.00		31.8090		636.18	77.44	76.98	75.90
36+380.00		32.3893	20.00		32.3237		646.47	77.44	76.98	75.86
36+400.00		32.2581	20.00		32.8877		657.75	77.44	76.98	75.81
36+420.00		33.5172	20.00		32.5110		650.22	77.44	76.98	75.76
36+440.00		31.5048	20.00		32.3448		646.90	77.44	76.98	75.73
36+460.00		33.1848	20.00		32.9283		658.57	77.44	76.98	75.76
36+480.00		32.6717	20.00		32.9359		658.72	77.44	76.98	75.70
36+500.00		33.2001	20.00		31.9332		638.66	77.44	76.98	75.74
36+520.00		30.6663	20.00		32.5911		651.82	77.44	76.98	75.79
36+540.00		34.5159	20.00		33.8271		676.54	77.44	76.98	75.71
36+560.00		33.1383	20.00		33.3977		667.95	77.44	76.98	75.66
36+580.00		33.6571	20.00		32.4459		648.92	77.44	76.98	75.64
36+600.00		31.2346	20.00		31.0594		621.19	77.44	76.98	75.66
36+620.00		30.8841	20.00		31.2167		624.33	77.44	76.98	75.69
36+640.00		31.5492	20.00		31.6485		632.97	77.44	76.98	75.69
36+660.00		31.7478	20.00		31.3577		627.15	77.43	76.97	75.67
36+680.00		30.9675	20.00		30.5783		611.57	77.43	76.97	75.66
36+700.00		30.1891	20.00		30.4107		608.21	77.43	76.97	75.70
36+720.00		30.6323	20.00		31.4445		628.89	77.43	76.97	75.65
36+740.00		32.2566	20.00		32.2138		644.28	77.43	76.97	75.64
36+760.00		32.1709	20.00		32.3891		647.78	77.43	76.97	75.64
36+780.00		32.6072	20.00		26.7797		535.59	77.43	76.97	75.66
36+800.00		20.9521	20.00		24.6535		493.07	77.43	76.97	76.26
36+820.00		28.3549	20.00		28.9381		578.76	77.43	76.97	75.82
36+840.00		29.5212	20.00		28.7324		574.65	77.43	76.97	75.73
36+860.00		27.9435	20.00		29.2188		584.38	77.43	76.97	75.78
36+880.00		30.4940	20.00		31.3083		626.17	77.43	76.97	75.73
36+900.00		32.1225	20.00		31.8343		636.69	77.43	76.97	75.61
36+920.00		31.5460	20.00		31.1499		623.00	77.43	76.97	75.58
36+940.00		30.7538	20.00		30.9554		619.11	77.43	76.97	75.57
36+960.00		31.1569	20.00		30.7677		615.35	77.43	76.97	75.61
36+980.00		30.3785	20.00		30.7326		614.65	77.42	76.96	75.62
37+000.00		31.0866	20.00		31.8542		637.08	77.42	76.96	75.55
37+020.00		32.6217	20.00		32.7497		654.99	77.42	76.66	75.57
37+040.00		32.8776	20.00		31.6486		632.97	77.42	76.66	75.49
37+060.00		30.4196	20.00		32.9344		658.69	77.42	76.66	75.39
37+080.00		35.4491	20.00		36.6818		733.64	77.42	76.66	75.45
37+100.00		37.9145	20.00		36.1757		723.51	77.43	76.67	75.44
37+120.00		34.4369	20.00		35.8125		716.25	77.46	76.70	75.27
37+140.00		37.1880	20.00		39.2168		784.34	77.50	76.74	75.19
37+160.00		41.2456	20.00		41.8948		837.90	77.56	76.80	75.14
37+180.00		42.5440	20.00		44.4508		889.02	77.63	76.87	74.99
37+200.00		46.3576	20.00		47.5927		951.85	77.70	76.94	74.92
37+220.00		48.8277	20.00		48.8807		977.61	77.76	77.00	74.92

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
37+240.00		48.9337	20.00		50.5296		1,010.59	77.81	77.05	74.82
37+260.00		52.1255	20.00	-10,031.1606	48.4115	-200,623.21	968.23	77.83	77.07	74.77
37+280.00	-20,062.3211	44.6975	20.00	-10,031.1606	54.0342	-200,623.21	1,080.68	77.84	77.08	74.64
37+300.00		63.3708	20.00		60.8203		1,216.41	77.84	77.08	74.66
37+320.00		58.2698	20.00		58.2845		1,165.69	77.84	77.08	74.75
37+340.00		58.2991	20.00		56.4314		1,128.63	77.84	77.08	74.82
37+360.00		54.5636	20.00		46.9237		938.47	77.83	77.07	75.10
37+380.00		39.2837	20.00		40.0884		801.77	77.80	77.04	76.13
37+400.00		40.8931	20.00		42.9183		858.37	77.76	77.00	76.10
37+420.00		44.9435	20.00		41.5670		831.34	77.70	76.94	76.09
37+440.00		38.1904	20.00		25.9417		518.83	77.63	76.87	76.09
37+460.00		13.6930	20.00		20.7998		416.00	77.55	76.79	76.19
37+480.00		27.9066	20.00		32.4134		648.27	77.49	76.73	75.92
37+500.00		36.9201	20.00		37.7903		755.81	77.45	76.69	75.58
37+520.00		38.6605	20.00		38.7505		775.01	77.42	76.66	75.08
37+540.00		38.8405	20.00		41.6896		833.79	77.42	76.66	75.04
37+560.00		44.5387	20.00		44.2048		884.10	77.43	76.67	75.13
37+580.00		43.8709	20.00		41.9765		839.53	77.43	76.67	75.03
37+600.00		40.0820	20.00		41.5353		830.71	77.43	76.67	75.02
37+620.00		42.9886	20.00		41.4714		829.43	77.44	76.68	75.04
37+640.00		39.9541	20.00		38.1064		762.13	77.44	76.68	75.15
37+660.00		36.2586	20.00		35.8271		716.54	77.45	76.69	75.41
37+680.00		35.3955	20.00		41.0725		821.45	77.45	76.69	75.88
37+700.00		46.7495	20.00		45.9702		919.40	77.46	76.70	75.50
37+720.00		45.1909	20.00		44.5388		890.78	77.46	76.70	75.13
37+740.00		43.8866	20.00		44.0062		880.12	77.47	76.71	75.22
37+760.00		44.1258	20.00		43.8236		876.47	77.47	76.71	75.15
37+780.00		43.5214	20.00		44.5295		890.59	77.48	76.72	74.92
37+800.00		45.5375	20.00		45.3275		906.55	77.48	76.72	74.95
37+820.00		45.1175	20.00		43.4555		869.11	77.49	76.73	75.00
37+840.00		41.7935	20.00		38.9578		779.16	77.49	76.73	74.88
37+860.00		36.1221	20.00		36.8508		737.02	77.50	76.74	74.97
37+880.00		37.5794	20.00		45.0255		900.51	77.50	76.74	75.05
37+900.00		52.4715	20.00		51.8403		1,036.81	77.51	76.75	74.40
37+920.00		51.2090	20.00	-1,735.9470	41.4604	-34,718.94	829.21	77.51	76.75	74.42
37+940.00	-3,471.8940	31.7117	20.00	-1,735.9470	37.9450	-34,718.94	758.90	77.52	76.76	774.50
37+960.00		44.1783	20.00		46.2836		925.67	77.52	76.76	74.90
37+980.00		48.3889	20.00		48.6829		973.66	77.53	76.77	74.63
38+000.00		48.9769	20.00		49.3292		986.58	77.53	76.77	74.68
38+020.00		49.6815	20.00		50.7688		1,015.38	77.54	76.78	74.59
38+040.00		51.8561	20.00		54.5322		1,090.64	77.54	76.78	74.49
38+060.00		57.2082	20.00		56.7484		1,134.97	77.55	76.79	74.34
38+080.00		56.2886	20.00		54.8194		1,096.39	77.55	76.79	74.37
38+100.00		53.3502	20.00		52.6260		1,052.52	77.56	76.80	74.46
38+120.00		51.9018	20.00		52.8477		1,056.95	77.56	76.80	74.54
38+140.00		53.7935	20.00		53.9511		1,079.02	77.57	76.81	74.41
38+160.00		54.1086	20.00		45.8508		917.02	77.57	76.81	74.39
38+180.00		37.5929	20.00		37.7731		755.46	77.58	76.82	75.36
38+200.00		37.9533	20.00		41.9779		839.56	77.58	76.82	75.09
38+220.00		46.0024	20.00		48.4898		969.80	77.59	76.83	74.84
38+240.00		50.9771	20.00		50.8971		1,017.94	77.59	76.83	74.69
38+260.00		50.8170	20.00		48.1263		962.53	77.59	76.83	74.54
38+280.00		45.4356	20.00		43.9183		878.37	77.60	76.84	74.71
38+300.00		42.4010	20.00		40.4870		809.74	77.60	76.84	74.89
38+320.00		38.5729	20.00		37.3838		747.68	77.61	76.85	75.17
38+340.00		36.1946	20.00		34.5047		690.09	77.61	76.85	75.09
38+360.00		32.8148	20.00		42.1502		843.00	77.62	76.86	75.34
38+380.00		51.4856	20.00		48.7902		975.80	77.62	76.86	74.54
38+400.00		46.0948	20.00		44.5700		891.40	77.63	76.87	74.71
38+420.00		43.0452	20.00		41.1260		822.52	77.63	76.87	74.89
38+440.00		39.2068	20.00		38.0028		760.06	77.64	76.88	75.17
38+460.00		36.7988	20.00		40.0892		801.78	77.64	76.88	75.09
38+480.00		43.3795	20.00		48.9088		978.18	77.65	76.89	74.89
38+500.00		54.4380	20.00		38.4697		769.39	77.65	76.89	74.49

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
38+520.00		22.5014	20.00		24.5941		491.88	77.66	76.90	75.80
38+540.00		26.6868	20.00		28.1627		563.25	77.66	76.90	75.74
38+560.00		29.6386	20.00		28.8902		577.80	77.67	76.91	75.75
38+580.00		28.1417	20.00		26.3875		527.75	77.67	76.91	75.76
38+600.00		24.6332	20.00		23.7782		475.56	77.68	76.92	75.70
38+620.00		22.9231	20.00		24.7502		495.00	77.68	76.92	75.65
38+640.00		26.5772	20.00		26.1190		522.38	77.69	76.93	75.75
38+660.00		25.6607	20.00		25.9250		518.50	77.69	76.93	75.71
38+680.00		26.1892	20.00		28.0111		560.22	77.70	76.94	75.86
38+700.00		29.8330	20.00		29.3524		587.05	77.70	76.94	75.86
38+720.00		28.8717	20.00		28.4897		569.79	77.71	76.95	75.82
38+740.00		28.1076	20.00		30.1857		603.71	77.71	76.95	75.90
38+760.00		32.2637	20.00		30.4034		608.07	77.72	76.96	75.88
38+780.00		28.5431	20.00		28.0920		561.84	77.72	76.96	75.93
38+800.00		27.6408	20.00		27.3784		547.57	77.74	76.98	75.90
38+820.00		27.1160	20.00		30.9746		619.49	77.80	77.04	75.97
38+840.00		34.8331	20.00		32.7274		654.55	77.90	77.14	75.99
38+860.00		30.6217	20.00		31.2550		625.10	78.03	77.27	76.00
38+880.00		31.8883	20.00		34.2564		685.13	78.18	77.42	75.97
38+900.00		36.6245	20.00		38.6907		773.81	78.33	77.57	75.93
38+920.00		40.7568	20.00		42.4611		849.22	78.48	77.72	75.89
38+940.00		44.1654	20.00		44.7485		894.97	78.63	77.87	76.00
38+960.00		45.3315	20.00		46.3563		927.13	78.76	78.00	76.07
38+980.00		47.3811	20.00		41.0201		820.40	78.86	78.10	76.19
39+000.00		34.6590	20.00		35.6739		713.48	78.91	78.15	76.56
39+020.00		36.6888	40.00		44.2462		1,769.85	78.93	78.17	76.64
39+060.00		51.8036	20.00		51.9706		1,039.41	78.93	78.17	75.75
39+080.00		52.1376	20.00		52.0467		1,040.93	78.93	78.17	75.77
39+100.00		51.9557	20.00		51.7730		1,035.46	78.93	78.17	75.78
39+120.00		51.5902	20.00		50.5892		1,011.78	78.91	78.15	75.71
39+140.00		49.5881	20.00		47.6848		953.70	78.83	78.07	75.83
39+160.00		45.7815	20.00		43.3912		867.82	78.71	77.95	75.78
39+180.00		41.0008	20.00		38.0996		761.99	78.54	77.78	75.76
39+200.00		35.1984	20.00		32.6709		653.42	78.35	77.59	75.82
39+220.00		30.1434	20.00		28.3215		566.43	78.15	77.39	75.85
39+240.00		26.4995	20.00		25.4621		509.24	77.96	77.20	75.95
39+260.00		24.4246	20.00		22.2333		444.67	77.76	77.00	75.96
39+280.00		20.0420	20.00		18.7494		374.99	77.59	76.83	76.06
39+300.00		17.4567	20.00		16.1685		323.37	77.47	76.71	76.11
39+320.00		14.8802	20.00		16.8456		336.91	77.40	76.64	76.14
39+340.00		18.8110	20.00		19.5934		391.87	77.37	76.61	76.03
39+360.00		20.3757	20.00		21.0841		421.68	77.37	76.61	76.06
39+380.00		21.7925	20.00		20.4588		409.18	77.37	76.61	75.99
39+400.00		19.1251	20.00		19.3938		387.88	77.37	76.61	75.98
39+420.00		19.6624	20.00		19.9587		399.17	77.37	76.61	75.98
39+440.00		20.2550	20.00		20.5056		410.11	77.37	76.61	75.98
39+460.00		20.7562	20.00		19.6236		392.47	77.37	76.61	75.92
39+480.00		18.4909	20.00		18.4170		368.34	77.37	76.61	75.95
39+500.00		18.3430	20.00		19.4084		388.17	77.37	76.61	75.95
39+520.00		20.4737	20.00		19.4082		388.16	77.37	76.61	75.93
39+540.00		18.3427	20.00		17.6394		352.79	77.37	76.61	75.88
39+560.00		16.9360	20.00		18.2565		365.13	77.37	76.61	75.97
39+580.00		19.5770	20.00		17.6235		352.47	77.36	76.60	76.14
39+600.00		15.6700	20.00		15.1139		302.28	77.36	76.60	76.18
39+620.00		14.5577	20.00		14.4014		288.03	77.36	76.64	76.24
39+640.00		14.2450	20.00		15.1467		302.93	77.36	76.62	76.22
39+660.00		16.0483	20.00		17.2235		344.47	77.36	76.60	76.02
39+680.00		18.3987	20.00		18.0621		361.24	77.36	76.60	75.95
39+700.00		17.7255	20.00		17.9311		358.62	77.36	76.60	75.97
39+720.00		18.1366	20.00		17.7902		355.80	77.36	76.60	75.92
39+740.00		17.4437	20.00		17.1589		343.18	77.36	76.60	75.97
39+760.00		16.8740	20.00		16.8029		336.06	77.36	76.60	76.00
39+780.00		16.7317	20.00		16.4014		328.03	77.36	76.60	75.99
39+800.00		16.0710	20.00		15.8555		317.11	77.36	76.60	76.00

66 (Sesenta y Seis)

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
39+820.00		15.6399	20.00		16.4994		329.99	77.36	76.60	76.00
39+840.00		17.3589	20.00		18.2047		364.09	77.36	76.60	76.00
39+860.00		19.0505	20.00		19.4286		388.57	77.36	76.60	75.93
39+880.00		19.8066	20.00		18.9464		378.93	77.35	76.59	75.98
39+900.00		18.0862	20.00		19.5843		391.69	77.35	76.59	75.96
39+920.00		21.0823	20.00		19.8326		396.65	77.35	76.59	75.82
39+940.00		18.5829			18.5829			77.35	76.59	75.95
39+940.00		18.5829	20.00		18.2402		364.80	77.35	76.59	75.98
39+960.00		17.8975	20.00		18.4148		368.30	77.35	76.59	75.96
39+980.00		18.9320	20.00		18.9371		378.74	77.35	76.59	75.86
40+000.00		18.9422	20.00		20.4220		408.44	77.35	76.59	75.95
40+020.00		21.9017	20.00		21.9052		438.10	77.35	76.19	75.79
40+040.00		21.9087	20.00		21.3590		427.18	77.35	76.21	75.81
40+060.00		20.8093	20.00		20.9356		418.71	77.35	76.19	75.79
40+080.00		21.0618	20.00		20.1753		403.51	77.35	76.16	75.76
40+100.00		19.2887	20.00		20.5374		410.75	77.35	76.36	75.96
40+120.00		21.7860	20.00		21.3325		426.65	77.35	76.41	76.01
40+140.00		20.8789	20.00		20.5384		410.77	77.35	76.46	76.06
40+160.00		20.1978	20.00		21.7190		434.38	77.35	76.46	76.06
40+180.00		23.2402	20.00		20.4170		408.34	77.35	76.36	75.96
40+200.00		17.5937	20.00		19.9708		399.42	77.34	76.43	76.03
40+220.00		22.3479	20.00		23.5200		470.40	77.34	76.24	75.84
40+240.00		24.6920	20.00		22.2329		444.66	77.34	76.14	75.74
40+260.00		19.7738	20.00		24.6706		493.41	77.34	76.39	75.99
40+280.00		29.5674	20.00		20.8131		416.26	77.34	77.12	76.57
40+300.00		12.0588	20.00		15.6187		312.37	77.34	76.69	76.14
40+320.00		19.1785	20.00		20.1494		402.99	77.34	76.20	75.65
40+340.00		21.1202	20.00		20.8287		416.57	77.34	76.20	75.65
40+360.00		20.5371	20.00		19.8253		396.51	77.34	76.27	75.72
40+380.00		19.1135	20.00		18.6484		372.97	77.34	76.30	75.75
40+400.00		18.1832	20.00		17.6095		352.19	77.34	76.36	75.81
40+420.00		17.0357	20.00		17.6099		352.20	77.34	76.44	75.89
40+440.00		18.1841	20.00		18.9909		379.82	77.34	76.35	75.80
40+460.00		19.7976	20.00		19.6015		392.03	77.34	76.36	75.81
40+480.00		19.4053	20.00		20.0156		400.31	77.34	76.34	75.79
40+500.00		20.6259	20.00		21.0089		420.18	77.33	76.28	75.73
40+520.00		21.3919	20.00		21.8283		436.57	77.33	76.23	75.68
40+540.00		22.2647	20.00		21.4346		428.69	77.33	76.19	75.64
40+560.00		20.6045	20.00		21.5818		431.64	77.33	76.19	75.64
40+580.00		22.5590	20.00		22.6687		453.37	77.33	76.24	75.69
40+600.00		22.7783	20.00		22.0025		440.05	77.33	76.21	75.66
40+620.00		21.2266	20.00		21.3400		426.80	77.33	76.30	75.75
40+640.00		21.4534	20.00		20.6875		413.75	77.33	76.28	75.73
40+660.00		19.9215	20.00		19.4807		389.61	77.33	76.30	75.75
40+680.00		19.0398	20.00		19.8764		397.53	77.33	76.35	75.80
40+700.00		20.7129	20.00		20.2379		404.76	77.33	76.31	75.76
40+720.00		19.7629	20.00		19.4476		388.95	77.33	76.31	75.76
40+740.00		19.1322	20.00		18.9297		378.59	77.33	76.31	75.76
40+760.00		18.7272	20.00		18.7491		374.98	77.33	76.27	75.72
40+780.00		18.7709	20.00		17.4840		349.68	77.33	76.39	75.84
40+800.00		16.1971	20.00		15.6064		312.13	77.33	76.40	75.85
40+820.00		15.0156	20.00		14.2479		284.96	77.33	76.50	75.95
40+840.00		13.4802	20.00		11.2303		224.61	77.33	76.57	76.02
40+860.00		8.9804	20.00		12.1887		243.77	77.32	76.79	76.24
40+880.00		15.3969	20.00		15.9543		319.09	77.32	76.54	75.99
40+900.00		16.5116	20.00		16.7328		334.66	77.32	76.58	76.03
40+920.00		16.9539	20.00		15.6438		312.88	77.32	76.59	76.04
40+940.00		14.3337	20.00		14.0750		281.50	77.32	76.60	76.05
40+960.00		13.8162	20.00		14.4630		289.26	77.32	76.65	76.10
40+980.00		15.1098	20.00		14.7264		294.53	77.32	76.63	76.08
41+000.00		14.3430	20.00		14.1097		282.19	77.32	76.51	75.96
41+020.00		13.8763	20.00		12.6107		252.21	77.32	76.49	75.94
41+040.00		11.3451	20.00		14.0795		281.59	77.32	76.66	76.11
41+060.00		16.8138	20.00		13.7398		274.80	77.32	76.71	76.16

Perfil 4 Win

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
41+080.00		10.6658	20.00		11.7622		235.24	77.32	76.71	76.16
41+100.00		12.8585	20.00		12.7176		254.35	77.32	76.67	76.12
41+120.00		12.5766	20.00		12.0618		241.24	77.32	76.71	76.16
41+140.00		11.5470	20.00		13.2634		265.27	77.32	76.75	76.20
41+160.00		14.9798	20.00		14.9973		299.95	77.32	76.43	75.88
41+180.00		15.0147	20.00		14.5211		290.42	77.32	76.41	75.86
41+200.00		14.0275	20.00		14.7293		294.59	77.32	76.46	75.91
41+220.00		15.4310	20.00		16.4630		329.26	77.32	76.53	75.98
41+240.00		17.4949	20.00		17.2524		345.05	77.32	76.36	75.81
41+260.00		17.0098	20.00		16.8530		337.06	77.32	76.13	75.58
41+280.00		16.6962	20.00		16.4552		329.10	77.31	76.18	75.63
41+300.00		16.2142	20.00		17.2885		345.77	77.31	76.23	75.68
41+320.00		18.3628	60.00		15.7903		947.42	77.31	76.55	76.03
41+380.00		13.2178	20.00		13.5214		270.43	77.31	76.55	76.08
41+400.00		13.8249	40.00		12.5183		500.73	77.31	76.55	76.12
41+440.00		11.2117	40.00		11.0832		443.33	77.31	76.55	76.16
41+480.00		10.9546	20.00		10.4979		209.96	77.31	76.55	76.27
41+500.00		10.0411	40.00		11.3240		452.96	77.31	76.55	76.29
41+540.00		12.6069	40.00		12.7350		509.40	77.31	76.55	76.17
41+580.00		12.8631	20.00		12.5651		251.30	77.31	76.55	76.15
41+600.00		12.2670	40.00		12.1699		486.80	77.31	76.55	76.26
41+640.00		12.0728	40.00		11.7255		469.02	77.31	76.55	76.21
41+680.00		11.3782	20.00		11.1196		222.39	77.31	76.55	76.22
41+700.00		10.8610	40.00		10.7466		429.86	77.30	76.55	76.23
41+740.00		10.6321	40.00		11.5441		461.76	77.30	76.55	76.24
41+780.00		12.4561	20.00		12.2169		244.34	77.30	76.55	76.16
41+800.00		11.9777	40.00		12.1111		484.44	77.30	76.55	76.17
41+840.00		12.2444	40.00		11.7692		470.77	77.30	76.55	76.14
41+880.00		11.2940	20.00		11.7441		234.88	77.30	76.55	76.19
41+900.00		12.1942	40.00		12.8173		512.69	77.30	76.55	76.20
41+940.00		13.4404	40.00		13.5247		540.99	77.30	76.55	76.02
41+980.00		13.6089	20.00		13.9278		278.56	77.30	76.54	76.06
42+000.00		14.2467	40.00		11.8497		473.99	77.30	76.54	76.07
42+040.00		9.4526	40.00		12.8464		513.85	77.30	76.54	76.30
42+080.00		16.2401	20.00		16.8806		337.61	77.30	76.54	75.93
42+100.00		17.5210	40.00		18.2433		729.73	77.29	76.54	75.86
42+140.00		18.9656	40.00		19.6478		785.91	77.29	76.54	75.96
42+180.00		20.3300	20.00		20.0933		401.87	77.29	76.34	75.68
42+200.00		19.8566	40.00		20.3728		814.91	77.29	76.34	75.70
42+240.00		20.8890	40.00		21.4063		856.25	77.29	76.34	75.75
42+280.00		21.9235	20.00		21.7737		435.47	77.29	76.34	75.74
42+300.00		21.6239	40.00		21.7793		871.17	77.29	76.34	75.77
42+340.00		21.9347	40.00		22.1196		884.78	77.29	76.34	75.72
42+380.00		22.3044	20.00		21.7263		434.53	77.29	76.34	75.68
42+400.00		21.1481	40.00		20.9054		836.22	77.29	76.34	75.72
42+440.00		20.6627	40.00		22.0020		880.08	77.29	76.34	75.75
42+480.00		23.3412	20.00		23.6302		472.60	77.29	76.34	75.74
42+500.00		23.9191	40.00		22.1407		885.63	77.28	76.34	75.77
42+540.00		20.3622	40.00		19.7855		791.42	77.28	76.34	75.93
42+580.00		19.2088	20.00		21.1794		423.59	77.28	76.34	75.84
42+600.00		23.1499	40.00		23.3247		932.99	77.29	76.34	75.66
42+640.00		23.4995	40.00		25.2622		1,010.49	77.33	76.33	75.62
42+680.00		27.0248	20.00		27.9884		559.77	77.42	76.33	75.67
42+700.00		28.9519	40.00		25.2751		1,011.00	77.46	76.33	75.71
42+740.00		21.5982	40.00		22.0400		881.60	77.50	76.33	75.83
42+780.00		22.4817	20.00		24.8999		498.00	77.51	76.33	76.11
42+800.00		27.3180	40.00		28.4012		1,136.05	77.50	76.33	75.83
42+840.00		29.4843	40.00		29.2085		1,168.34	77.46	76.33	75.56
42+880.00		28.9326	20.00		28.3804		567.61	77.37	76.33	75.49
42+900.00		27.8281	40.00		28.1313		1,125.25	77.33	76.33	75.58
42+940.00		28.4345	40.00		27.6049		1,104.19	77.27	76.33	75.45
42+980.00		26.7752	20.00		27.3014		546.03	77.27	76.33	75.49
43+000.00		27.8275						77.27	76.33	75.48
43+020.00		26.4385	20.00		27.9777		559.55	77.27	76.81	75.67

68 (Sesenta y Ocho)

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
43+040.00		29.5168	20.00		31.1276		622.55	77.27	76.81	75.46
43+060.00		32.7383	20.00		29.8243		596.49	77.27	76.81	75.49
43+080.00		26.9103	20.00		28.5040		570.08	77.27	76.81	75.40
43+100.00		30.0977	20.00		27.3521		547.04	77.27	76.81	75.29
43+120.00		24.6065	20.00		27.1528		543.06	77.27	76.81	75.55
43+140.00		29.6991	20.00		29.8286		596.57	77.27	76.81	75.51
43+160.00		29.9581	20.00		29.9908		599.82	77.27	76.81	75.33
43+180.00		30.0234	20.00		29.6527		593.05	77.27	76.81	75.47
43+200.00		29.2819	20.00		26.9693		539.39	77.27	76.81	75.46
43+220.00		24.6567	20.00		25.1952		503.90	77.27	76.81	75.62
43+240.00		25.7336	20.00		25.8639		517.28	77.27	76.81	75.50
43+260.00		25.9941	20.00		25.3833		507.67	77.27	76.81	75.52
43+280.00		24.7724	20.00		24.8545		497.09	77.27	76.81	75.62
43+300.00		24.9366	20.00		26.8944		537.89	77.26	76.80	75.61
43+320.00		28.8521			28.8521			77.26	76.80	73.86
43+320.00		28.8521	20.00		26.5324		530.65	77.26	76.80	74.98
43+340.00		24.2127	20.00		24.3132		486.26	77.26	76.80	75.32
43+360.00		24.4137	20.00		25.6329		512.66	77.26	76.80	75.32
43+380.00		26.8521	20.00		26.7677		535.35	77.26	76.80	75.52
43+400.00		26.6832	20.00		28.0676		561.35	77.26	76.80	75.57
43+420.00		29.4520	20.00		28.9905		579.81	77.26	76.80	75.54
43+440.00		28.5290	20.00		34.1065		682.13	77.26	76.80	75.49
43+460.00		39.6840	20.00		35.4544		709.09	77.26	76.80	75.39
43+480.00		31.2247	20.00		33.7126		674.25	77.26	76.80	74.94
43+500.00		36.2004	20.00		35.9632		719.26	77.26	76.80	74.46
43+520.00		35.7260	20.00		36.3583		727.17	77.26	76.80	74.84
43+540.00		36.9905	20.00		37.5452		750.90	77.26	76.80	74.84
43+560.00		38.0999	20.00		36.9237		738.47	77.26	76.80	74.69
43+580.00		35.7475	20.00		35.0187		700.37	77.26	76.80	74.76
43+600.00		34.2899	20.00		34.3466		686.93	77.26	76.80	74.83
43+620.00		34.4033	20.00		34.9295		698.59	77.26	76.80	74.93
43+640.00		35.4557	20.00		35.5248		710.50	77.26	76.80	74.84
43+660.00		35.5938	20.00		35.7809		715.62	77.26	76.80	74.84
43+680.00		35.9679	20.00		35.5291		710.58	77.25	76.79	74.79
43+700.00		35.0902	20.00		35.2074		704.15	77.25	76.79	74.69
43+720.00		35.3246	20.00		37.1484		742.97	77.25	76.79	74.74
43+740.00		38.9722	20.00		31.9015		638.03	77.25	76.79	74.61
43+760.00		24.8308	20.00		25.7965		515.93	77.25	76.79	75.52
43+780.00		26.7622	20.00		27.8740		557.48	77.25	76.79	75.22
43+800.00		28.9857	20.00		30.6895		613.79	77.25	76.79	75.39
43+820.00		32.3932	20.00		32.7899		655.80	77.25	76.79	74.94
43+840.00		33.1866	20.00		32.8407		656.81	77.25	76.79	74.84
43+860.00		32.4948	20.00		32.9098		658.20	77.25	76.79	74.89
43+880.00		33.3247	20.00		33.3244		666.49	77.25	76.79	74.92
43+900.00		33.3241	20.00		33.5777		671.55	77.26	76.80	74.92
43+920.00		33.8313	20.00		33.7406		674.81	77.26	76.80	74.92
43+940.00		33.6499	20.00		33.6015		672.03	77.26	76.80	74.87
43+960.00		33.5530	20.00		33.0289		660.58	77.27	76.81	74.92
43+980.00		32.5048	20.00		32.9742		659.48	77.27	76.81	74.99
44+000.00		33.4435	20.00		32.2461		644.92	77.27	76.81	74.87
44+020.00		31.0486	20.00		36.8965		737.93	77.28	76.82	75.04
44+040.00		42.7444	20.00		42.9119		858.24	77.28	76.82	74.94
44+060.00		43.0793	20.00		37.2735		745.47	77.28	76.82	74.97
44+080.00		31.4676	20.00		30.9935		619.87	77.28	76.82	74.91
44+100.00		30.5194	20.00		29.7396		594.79	77.29	76.83	74.97
44+120.00		28.9598	20.00		29.6476		592.95	77.29	76.83	75.06
44+140.00		30.3353	20.00		36.2339		724.68	77.29	76.83	75.16
44+160.00		42.1324	20.00		39.0593		781.19	77.30	76.84	74.81
44+180.00		35.9861	20.00		34.8199		696.40	77.30	76.84	75.36
44+200.00		33.6536	20.00		34.1579		683.16	77.30	76.84	75.10
44+220.00		34.6621	20.00		34.7032		694.06	77.31	76.85	74.85
44+240.00		34.7443	20.00		35.9129		718.26	77.31	76.85	74.84
44+260.00		37.0815	20.00		38.2941		765.88	77.31	76.85	74.74
44+280.00		39.5066	20.00		39.6063		792.13	77.31	76.85	74.82

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
44+300.00		39.7059	20.00		42.7564		855.13	77.32	76.86	74.70
44+320.00		45.8068	20.00		38.7687		775.37	77.32	76.86	74.87
44+340.00		31.7306	20.00		30.7711		615.42	77.32	76.86	75.04
44+360.00		29.8115	20.00		27.6211		552.42	77.33	76.87	74.92
44+380.00		25.4306	20.00		24.5742		491.48	77.33	76.87	75.54
44+400.00		23.7177	20.00		22.5223		450.45	77.33	76.87	75.59
44+420.00		21.3269	20.00		22.8986		457.97	77.34	76.88	75.69
44+440.00		24.4702	20.00		26.2600		525.20	77.34	76.88	75.29
44+460.00		28.0497	20.00		34.4814		689.63	77.34	76.88	74.89
44+480.00		40.9130	20.00		42.7378		854.76	77.34	76.88	75.63
44+500.00		44.5625	20.00		41.5672		831.34	77.35	76.89	75.68
44+520.00		38.5719	20.00		35.3388		706.78	77.35	76.89	75.45
44+540.00		32.1056	20.00		32.4717		649.43	77.35	76.89	75.40
44+560.00		32.8377	20.00		37.9882		759.76	77.36	76.90	75.30
44+580.00		43.1387	20.00		40.9338		818.68	77.36	76.90	75.15
44+600.00		38.7288	20.00		39.5142		790.28	77.36	76.90	75.25
44+620.00		40.2995	20.00		37.1292		742.58	77.37	76.91	75.17
44+640.00		33.9588	20.00		35.3074		706.15	77.37	76.91	75.37
44+660.00		36.6559	20.00		37.1058		742.12	77.37	76.91	75.20
44+680.00		37.5557	20.00		37.8023		756.05	77.37	76.91	75.32
44+700.00		38.0489	20.00		39.4870		789.74	77.38	76.92	75.42
44+720.00		40.9250	20.00		39.2007		784.01	77.38	76.92	75.32
44+740.00		37.4763	20.00		36.1730		723.46	77.38	76.92	75.24
44+760.00		34.8696	20.00		36.6625		733.25	77.39	76.93	75.64
44+780.00		38.4553	20.00		38.7620		775.24	77.39	76.93	75.54
44+800.00		39.0687	20.00		39.3241		786.48	77.39	76.93	75.11
44+820.00		39.5795	20.00		39.0275		780.55	77.40	76.94	74.98
44+840.00		38.4755	20.00		38.8954		777.91	77.40	76.94	75.04
44+860.00		39.3153	20.00		39.6433		792.87	77.40	76.94	75.04
44+880.00		39.9713	20.00		40.5319		810.64	77.40	76.94	74.90
44+900.00		41.0925	20.00		40.8226		816.45	77.41	76.95	74.91
44+920.00		40.5527	20.00		36.8021		736.04	77.41	76.95	73.78
44+940.00		33.0515	20.00		37.3388		746.78	77.41	76.95	75.77
44+960.00		41.6260	20.00		40.6168		812.34	77.42	76.96	73.63
44+980.00		39.6075	20.00		37.2715		745.43	77.42	76.96	73.98
45+000.00		34.9355	20.00		36.8762		737.52	77.42	76.96	74.90
45+020.00		38.8169	20.00		38.7582		775.16	77.42	76.96	74.15
45+040.00		38.6994	20.00		38.2748		765.50	77.43	76.97	74.05
45+060.00		37.8501	20.00		36.5795		731.59	77.43	76.97	74.05
45+080.00		35.3089	20.00		35.4082		708.16	77.43	76.97	74.60
45+100.00		35.5074	20.00		38.0133		760.27	77.44	76.98	74.59
45+120.00		40.5191	20.00		39.8168		796.34	77.44	76.98	73.85
45+140.00		39.1145	20.00		39.8201		796.40	77.44	76.98	73.91
45+160.00		40.5257	20.00		40.5993		811.99	77.45	76.99	73.71
45+180.00		40.6729	20.00		40.4698		809.40	77.45	76.99	73.61
45+200.00		40.2667	20.00		40.9634		819.27	77.45	76.99	73.68
45+220.00		41.6601	20.00		42.0893		841.79	77.45	76.99	73.56
45+240.00		42.5184	20.00		41.7447		834.89	77.46	77.00	73.66
45+260.00		40.9710	20.00		42.0828		841.66	77.46	77.00	73.81
45+280.00		43.1946	20.00		42.5737		851.47	77.46	77.00	73.81
45+300.00		41.9527	20.00		40.5245		810.49	77.47	77.01	73.90
45+320.00		39.0963	20.00		40.6313		812.63	77.47	77.01	74.11
45+340.00		42.1663	20.00		41.9876		839.75	77.47	77.01	73.93
45+360.00		41.8089	20.00		41.7128		834.26	77.48	77.02	73.80
45+380.00		41.6167	20.00		42.7687		855.37	77.48	77.02	73.81
45+400.00		43.9206	20.00		43.4257		868.51	77.48	77.02	73.66
45+420.00		42.9307	20.00		42.9650		859.30	77.48	77.02	74.13
45+440.00		42.9992	20.00		43.1021		862.04	77.49	77.03	73.78
45+460.00		43.2049	20.00		43.9896		879.79	77.49	77.03	73.63
45+480.00		44.7742	20.00		44.1895		883.79	77.49	77.03	73.63
45+500.00		43.6047	20.00		43.1958		863.92	77.48	77.02	73.73
45+520.00		42.7868	20.00		41.0140		820.28	77.48	77.02	73.68
45+540.00		39.2412	20.00		38.7122		774.24	77.47	77.01	74.82
45+560.00		38.1832	20.00		35.4870		709.74	77.47	77.01	74.97

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
45+580.00		32.7907	20.00		36.6384		732.77	77.46	77.00	75.29
45+600.00		40.4861	20.00		44.5783		891.57	77.46	77.00	74.84
45+620.00		48.6705	20.00		46.5543		931.09	77.46	77.00	74.47
45+640.00		44.4381	20.00		41.3315		826.63	77.45	76.99	74.57
45+660.00		38.2249	20.00		43.4668		869.34	77.45	76.99	75.14
45+680.00		48.7087	20.00		51.5325		1,030.65	77.44	76.98	74.29
45+700.00		54.3562	20.00		54.9436		1,098.87	77.44	76.98	73.03
45+720.00		55.5309	20.00		52.1925		1,043.85	77.43	76.97	73.18
45+740.00		48.8540	20.00		59.7378		1,194.76	77.43	76.97	74.33
45+760.00		70.6215	20.00		61.4962		1,229.92	77.42	76.96	73.45
45+780.00		52.3708	20.00		49.7746		995.49	77.42	76.96	73.88
45+800.00		47.1784	20.00		46.7548		935.10	77.42	76.96	73.98
45+820.00		46.3311	20.00		45.6154		912.31	77.41	76.95	74.08
45+840.00		44.8997	20.00		41.8696		837.39	77.41	76.95	74.18
45+860.00		38.8395	20.00		40.5610		811.22	77.40	76.94	74.63
45+880.00		42.2825	20.00		41.6514		833.03	77.40	76.94	74.53
45+900.00		41.0202	20.00		46.7135		934.27	77.39	76.93	74.58
45+920.00		52.4067	20.00		41.9026		838.05	77.39	76.93	74.22
45+940.00		31.3985	20.00		31.6908		633.82	77.39	76.93	74.77
45+960.00		31.9830	20.00		35.4528		709.06	77.38	76.92	73.97
45+980.00		38.9226	20.00		39.2013		784.03	77.38	76.92	75.03
46+000.00		39.4799	20.00		40.6559		813.12	77.37	76.91	74.93
46+020.00		41.8318	20.00		41.8711		837.42	77.37	76.91	74.76
46+040.00		41.9104	20.00		44.1466		882.93	77.36	76.90	74.51
46+060.00		46.3827	20.00		44.6403		892.81	77.36	76.90	74.56
46+080.00		42.8978	20.00		43.6142		872.28	77.35	76.89	74.68
46+100.00		44.3306	20.00		39.5728		791.46	77.35	76.89	74.78
46+120.00		34.8150	20.00		32.1334		642.67	77.35	76.89	74.58
46+140.00		29.4517	20.00		32.8040		656.08	77.34	76.88	74.68
46+160.00		36.1563	20.00		36.7472		734.94	77.34	76.88	74.68
46+180.00		37.3380	20.00		37.8137		756.27	77.33	76.87	74.60
46+200.00		38.2894	20.00		38.0912		761.82	77.33	76.87	74.63
46+220.00		37.8929	20.00		39.8536		797.07	77.32	76.86	74.80
46+240.00		41.8143	20.00		39.7837		795.67	77.32	76.86	74.88
46+260.00		37.7531	20.00		37.5857		751.71	77.31	76.85	74.60
46+280.00		37.4183	20.00		35.9511		719.02	77.31	76.85	74.67
46+300.00		34.4839	20.00		34.5459		690.92	77.31	76.85	74.87
46+320.00		34.6079	20.00		35.4722		709.44	77.30	76.84	74.97
46+340.00		36.3365	20.00		35.6490		712.98	77.30	76.84	74.87
46+360.00		34.9615	20.00		33.4221		668.44	77.29	76.83	74.33
46+380.00		31.8827	20.00		33.4593		669.19	77.29	76.83	74.18
46+400.00		35.0359	20.00		34.8919		697.84	77.28	76.82	74.83
46+420.00		34.7478	20.00		33.9728		679.46	77.28	76.82	74.98
46+440.00		33.1977	20.00		33.5066		670.13	77.28	76.82	73.99
46+460.00		33.8154	20.00		33.4287		668.57	77.27	76.81	73.88
46+480.00		33.0420	20.00		29.0497		580.99	77.27	76.81	74.03
46+500.00		25.0574	20.00		29.8568		597.14	77.26	76.80	75.23
46+520.00		34.6561	20.00		32.7548		655.10	77.26	76.80	75.10
46+540.00		30.8534	20.00		32.1822		643.64	77.25	76.79	75.20
46+560.00		33.5109	20.00		35.1281		702.56	77.25	76.79	75.05
46+580.00		36.7452	20.00		32.6995		653.99	77.24	76.78	75.05
46+600.00		28.6537	20.00		28.8253		576.51	77.24	76.78	75.20
46+620.00		28.9969	20.00		29.6277		592.55	77.24	76.78	75.11
46+640.00		30.2585	20.00		29.2756		585.51	77.23	76.77	75.11
46+660.00		28.2927	20.00		28.5145		570.29	77.23	76.77	75.16
46+680.00		28.7363	20.00		27.8534		557.07	77.22	76.76	75.21
46+700.00		26.9705	20.00		27.8593		557.19	77.22	76.76	75.03
46+720.00		28.7480	20.00		28.1585		563.17	77.21	76.75	75.06
46+740.00		27.5689	20.00		26.0074		520.15	77.21	76.75	75.09
46+760.00		24.4459	20.00		24.3343		486.69	77.20	76.74	75.29
46+780.00		24.2226	20.00		25.0354		500.71	77.20	76.74	75.34
46+800.00		25.8482	20.00		26.3721		527.44	77.20	76.74	75.24
46+820.00		26.8960	20.00		26.9460		538.92	77.19	76.73	75.24
46+840.00		26.9959	20.00		27.2390		544.78	77.19	76.73	75.09

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
46+860.00		27.4820	20.00		28.5589		571.18	77.19	76.73	75.09
46+880.00		29.6357	20.00		31.0844		621.69	77.23	76.77	75.06
46+900.00		32.5330	20.00		36.6111		732.22	77.28	76.82	74.92
46+920.00		40.6892	20.00		38.3765		767.53	77.36	76.90	74.92
46+940.00		36.0638	20.00		36.2357		724.71	77.45	76.99	75.04
46+960.00		36.4075	20.00		38.8429		776.86	77.54	77.08	75.04
46+980.00		41.2782	20.00		41.0338		820.68	77.62	77.16	74.94
47+000.00		40.7894	20.00		43.4439		868.88	77.68	77.22	74.94
47+020.00		46.0984	20.00		46.0233		920.47	77.71	77.25	75.08
47+040.00		45.9482	20.00		45.6438		912.88	77.72	77.26	74.93
47+060.00		45.3393	20.00		42.6006		852.01	77.72	77.26	74.98
47+080.00		39.8618	20.00		39.9675		799.35	77.72	77.26	75.18
47+100.00		40.0731	20.00		41.4470		828.94	77.71	77.25	75.23
47+120.00		42.8208	20.00		42.9040		858.08	77.68	77.22	75.03
47+140.00		42.9871	20.00		41.0491		820.98	77.63	77.17	75.18
47+160.00		39.1111	20.00		37.7117		754.23	77.57	77.11	75.12
47+180.00		36.3122	20.00		36.1214		722.43	77.49	77.03	75.07
47+200.00		35.9305	20.00		32.7506		655.01	77.41	76.95	75.08
47+220.00		29.5706	20.00		28.1515		563.03	77.33	76.87	75.10
47+240.00		26.7323	20.00		24.6022		492.04	77.27	76.81	75.16
47+260.00		22.4720	20.00		21.5404		430.81	77.22	76.76	75.21
47+280.00		20.6088	20.00		20.8797		417.59	77.19	76.73	75.55
47+300.00		21.1505	20.00		20.5285		410.57	77.18	76.72	75.31
47+320.00		19.9064	20.00		18.8840		377.68	77.18	76.72	75.37
47+340.00		17.8615	20.00		16.4444		328.89	77.18	76.72	75.47
47+360.00		15.0272	20.00		13.9085		278.17	77.18	76.72	75.67
47+380.00		12.7897	20.00		16.4933		329.87	77.18	76.72	75.77
47+400.00		20.1969	20.00		20.9719		419.44	77.17	76.71	75.67
47+420.00		21.7468	20.00		21.4467		428.93	77.17	76.71	75.59
47+440.00		21.1466	20.00		21.0513		421.03	77.17	76.71	75.79
47+460.00		20.9559	20.00		23.0291		460.58	77.17	76.71	75.82
47+480.00		25.1023	20.00		23.6455		472.91	77.17	76.71	75.74
47+500.00		22.1886	20.00		21.5842		431.68	77.17	76.71	75.94
47+520.00		20.9797	20.00		18.8614		377.23	77.17	76.71	75.79
47+540.00		16.7431	20.00		16.2103		324.21	77.17	76.71	75.94
47+560.00		15.6774	20.00		15.0540		301.08	77.17	76.71	75.99
47+580.00		14.4305	20.00		15.2054		304.11	77.17	76.71	75.99
47+600.00		15.9803	20.00		17.3063		346.13	77.17	76.71	75.96
47+620.00		18.6322	20.00		16.3926		327.85	77.17	76.71	75.99
47+640.00		14.1529	20.00		12.7750		255.50	77.17	76.71	75.94
47+660.00		11.3971	20.00		13.3739		267.48	77.17	76.71	75.89
47+680.00		15.3507	20.00		13.5725		271.45	77.17	76.71	75.94
47+700.00		11.7943	20.00		17.7731		355.46	77.17	76.71	75.93
47+720.00		23.7518	20.00		25.0948		501.90	77.17	76.71	75.69
47+740.00		26.4378	20.00		27.0193		540.39	77.16	76.70	75.69
47+760.00		27.6007	20.00		27.0086		540.17	77.16	76.70	75.63
47+780.00		26.4164	20.00		26.6789		533.58	77.16	76.70	75.63
47+800.00		26.9414	20.00		30.0528		601.06	77.16	76.70	75.63
47+820.00		33.1642	20.00		29.0043		580.09	77.16	76.70	75.64
47+840.00		24.8444	20.00		25.2261		504.52	77.16	76.70	75.69
47+860.00		25.6078	20.00		24.3092		486.18	77.16	76.70	75.66
47+880.00		23.0106	20.00		22.9409		458.82	77.16	76.70	75.71
47+900.00		22.8712	20.00		23.0994		461.99	77.16	76.70	75.73
47+920.00		23.3276	20.00		22.3191		446.38	77.16	76.70	75.73
47+940.00		21.3105	20.00		21.6236		432.47	77.16	76.70	75.71
47+960.00		21.9367	20.00		23.2859		465.72	77.16	76.70	75.73
47+980.00		24.6351	20.00		25.1287		502.57	77.16	76.70	75.64
48+000.00		25.6222	20.00		27.3915		547.83	77.16	76.70	75.51
48+020.00		29.1608	20.00		30.2706		605.41	77.16	76.70	75.31
48+040.00		31.3804	20.00		30.3094		606.19	77.16	76.70	75.16
48+060.00		29.2384	20.00		29.3701		587.40	77.16	76.70	75.21
48+080.00		29.5018	20.00		30.4169		608.34	77.15	76.69	75.13
48+100.00		31.3319	20.00		33.6701		673.40	77.15	76.69	75.06
48+120.00		36.0082	20.00		39.4552		789.10	77.15	76.69	74.82

72 (Setenta y Dos)

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
48+140.00		42.9021	20.00		42.2933		845.87	77.15	76.69	75.01
48+160.00		41.6844	20.00		40.3338		806.68	77.15	76.69	75.01
48+180.00		38.9831	20.00		42.7581		855.16	77.15	76.69	74.61
48+200.00		46.5331	20.00		46.0738		921.48	77.15	76.69	74.77
48+220.00		45.6144	20.00		45.8449		916.90	77.15	76.69	75.06
48+240.00		46.0753	20.00		54.4619		1,089.24	77.15	76.69	75.03
48+260.00		62.8485	20.00		60.1425		1,202.85	77.15	76.69	74.60
48+280.00		57.4364	20.00		52.1138		1,042.28	77.15	76.69	74.47
48+300.00		46.7911	20.00		47.7663		955.33	77.15	76.69	74.61
48+320.00		48.7415	20.00		42.9910		859.82	77.15	76.69	74.81
48+340.00		37.2404	20.00		37.4656		749.31	77.15	76.69	75.03
48+360.00		37.6907	20.00		38.2059		764.12	77.15	76.69	74.70
48+380.00		38.7211	20.00		42.5717		851.43	77.15	76.69	74.68
48+400.00		46.4222	20.00		49.0681		981.36	77.15	76.69	74.73
48+420.00		51.7139	20.00		53.4841		1,069.68	77.15	76.69	74.73
48+440.00		55.2543	20.00		52.6227		1,052.45	77.14	76.68	74.78
48+460.00		49.9910	20.00		45.1247		902.49	77.14	76.68	74.78
48+480.00		40.2583	20.00		42.1178		842.36	77.14	76.68	74.78
48+500.00		43.9772	20.00		42.5243		850.49	77.14	76.68	74.88
48+520.00		41.0714	20.00		41.1858		823.72	77.14	76.68	74.83
48+540.00		41.3001	20.00		41.3441		826.88	77.14	76.68	74.55
48+560.00		41.3881	20.00		42.4083		848.17	77.14	76.68	74.47
48+580.00		43.4284	20.00		43.5960		871.92	77.14	76.68	74.63
48+600.00		43.7636	20.00		44.1453		882.91	77.14	76.68	74.78
48+620.00		44.5269	20.00		42.1968		843.94	77.14	76.68	74.68
48+640.00		39.8667	20.00		39.4012		788.02	77.14	76.68	74.65
48+660.00		38.9357	20.00		39.4815		789.63	77.14	76.68	74.75
48+680.00		40.0273	20.00		39.4403		788.81	77.14	76.68	74.65
48+700.00		38.8533	20.00		36.8456		736.91	77.14	76.68	74.57
48+720.00		34.8379	20.00		35.5518		711.04	77.14	76.68	74.78
48+740.00		36.2656	20.00		35.1782		703.56	77.14	76.68	74.55
48+760.00		34.0907	20.00		32.6884		653.77	77.14	76.68	74.70
48+780.00		31.2860	20.00		30.2139		604.28	77.13	76.67	74.75
48+800.00		29.1418	20.00		27.4677		549.35	77.13	76.67	74.93
48+820.00		25.7936	20.00		25.7851		515.70	77.13	76.67	75.18
48+840.00		25.7765	20.00		23.7545		475.09	77.13	76.67	75.28
48+860.00		21.7324	20.00		19.5013		390.03	77.13	76.67	75.40
48+880.00		17.2702	20.00		16.7127		334.25	77.13	76.67	75.65
48+900.00		16.1551	20.00		14.7485		294.97	77.13	76.67	75.75
48+920.00		13.3418	20.00		12.9864		259.73	77.13	76.67	75.90
48+940.00		12.6309	20.00		15.4225		308.45	77.13	76.67	75.90
48+960.00		18.2140	20.00		16.8007		336.01	77.13	76.67	75.85
48+980.00		15.3874	20.00		19.0744		381.49	77.13	76.67	75.80
49+000.00		22.7613	20.00		19.0215		380.43	77.13	76.67	75.59
49+020.00		15.2817	20.00		14.8418		296.84	77.13	76.67	75.80
49+040.00		14.4019	20.00		14.8778		297.56	77.13	76.67	75.85
49+060.00		15.3537	20.00		14.7187		294.37	77.13	76.67	75.80
49+080.00		14.0836	20.00		16.0162		320.32	77.13	76.67	75.60
49+100.00		17.9487	20.00		17.3270		346.54	77.13	76.67	75.79
49+120.00		16.7053	20.00		17.7174		354.35	77.13	76.67	75.64
49+140.00		18.7295	20.00		18.3887		367.77	77.13	76.67	75.41
49+160.00		18.0478	20.00		17.9753		359.51	77.13	76.67	75.64
49+180.00		17.9027	20.00		18.0449		360.90	77.12	76.66	75.61
49+200.00		18.1871	20.00		19.1374		382.75	77.12	76.66	75.64
49+220.00		20.0877	20.00		18.9316		378.63	77.12	76.66	75.52
49+240.00		17.7755	20.00		18.7054		374.11	77.12	76.66	75.59
49+260.00		19.6353	20.00		18.9386		378.77	77.12	76.66	75.49
49+280.00		18.2419	20.00		18.4620		369.24	77.12	76.66	75.54
49+300.00		18.6820	20.00		18.9872		379.74	77.12	76.66	75.34
49+320.00		19.2923	20.00		19.7144		394.29	77.12	76.66	75.44
49+340.00		20.1364	20.00		21.2466		424.93	77.12	76.66	75.40
49+360.00		22.3567	20.00		22.1425		442.85	77.12	76.66	75.28
49+380.00		21.9282	20.00		23.0410		460.82	77.12	76.66	75.18
49+400.00		24.1537	20.00		25.1077		502.15	77.12	76.66	75.13

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
49+420.00		26.0617	20.00		27.6498		553.00	77.12	76.66	75.20
49+440.00		29.2379	20.00		29.4076		588.15	77.12	76.66	74.98
49+460.00		29.5772	20.00		30.8825		617.65	77.12	76.66	74.88
49+480.00		32.1877	20.00		35.1667		703.33	77.12	76.66	74.78
49+500.00		38.1457	20.00		36.8129		736.26	77.12	76.66	74.47
49+520.00		35.4801	20.00		37.2275		744.55	77.12	76.66	74.60
49+540.00		38.9749	20.00		38.9487		778.97	77.12	76.66	74.58
49+560.00		38.9225	20.00		39.2584		785.17	77.12	76.66	74.55
49+580.00		39.5943	20.00		40.0068		800.14	77.11	76.65	74.54
49+600.00		40.4193	20.00		41.5240		830.48	77.11	76.65	74.60
49+620.00		42.6287	20.00		42.7238		854.48	77.11	76.65	74.45
49+640.00		42.8189	20.00		42.4772		849.54	77.11	76.65	74.62
49+660.00		42.1354	20.00		42.2140		844.28	77.11	76.65	74.57
49+680.00		42.2925	20.00		42.8157		856.31	77.11	76.65	74.56
49+700.00		43.3388	20.00	-2.0740	34.4299	-41.48	688.60	77.11	76.65	74.59
49+720.00	-4.1480	25.5209	20.00	-2.0740	33.2190	-41.48	664.38	77.11	76.65	74.61
49+740.00		40.9171	20.00		40.0705		801.41	77.11	76.65	74.51
49+760.00		39.2238	20.00		41.3952		827.90	77.11	76.65	74.58
49+780.00		43.5666	20.00		41.1576		823.15	77.11	76.65	74.62
49+800.00		38.7486	20.00		39.1687		783.37	77.11	76.65	74.62
49+820.00		39.5887	20.00		39.6902		793.80	77.11	76.65	74.50
49+840.00		39.7916	20.00		41.4822		829.64	77.11	76.65	74.52
49+860.00		43.1728	20.00		42.2188		844.38	77.11	76.65	74.51
49+880.00		41.2647	20.00		40.8843		817.69	77.11	76.65	74.44
49+900.00		40.5039	20.00		43.5626		871.25	77.11	76.65	74.49
49+920.00		46.6212	20.00		44.0389		880.78	77.11	76.65	74.49
49+940.00		41.4566	20.00		40.5571		811.14	77.11	76.65	74.55
49+960.00		39.6575	20.00		43.2517		865.03	77.10	76.64	74.59
49+980.00		46.8458	20.00		43.3990		867.98	77.10	76.64	74.75
50+000.00		39.9521	20.00		39.3819		787.64	77.10	76.64	74.65
50+020.00		38.8117	20.00		38.9888		779.78	77.10	76.64	74.55
50+040.00		39.1659	20.00		40.2214		804.43	77.10	76.64	74.49
50+060.00		41.2768	20.00		43.7442		874.88	77.10	76.64	74.50
50+080.00		46.2115	20.00		43.4475		868.95	77.10	76.64	74.49
50+100.00		40.6834	20.00		43.8456		876.91	77.10	76.64	74.48
50+120.00		47.0078	20.00		43.3630		867.26	77.10	76.64	74.52
50+140.00		39.7182	20.00		39.3997		787.99	77.10	76.64	74.56
50+160.00		39.0811	20.00		38.4668		769.34	77.10	76.64	74.65
50+180.00		37.8525	20.00		37.5165		750.33	77.10	76.64	74.62
50+200.00		37.1805	20.00		37.5251		750.50	77.10	76.64	74.57
50+220.00		37.8696	20.00		37.5921		751.84	77.10	76.64	74.57
50+240.00		37.3146	20.00		37.3739		747.48	77.10	76.64	74.59
50+260.00		37.4332	20.00		36.3403		726.81	77.10	76.64	74.67
50+280.00		35.2474	20.00		34.8224		696.45	77.10	76.64	74.85
50+300.00		34.3974	20.00		35.1200		702.40	77.10	76.64	74.89
50+320.00		35.8426	20.00		36.9234		738.47	77.10	76.64	74.65
50+340.00		38.0041	20.00		38.4907		769.81	77.10	76.64	74.48
50+360.00		38.9772	20.00		37.6825		753.65	77.09	76.63	74.49
50+380.00		36.3877	20.00		39.8694		797.39	77.09	76.63	74.57
50+400.00		43.3511	20.00		43.7959		875.92	77.09	76.63	74.54
50+420.00		44.2407	20.00		42.5761		851.52	77.09	76.63	74.62
50+440.00		40.9114	20.00		39.8435		796.87	77.09	76.63	74.55
50+460.00		38.7755	20.00		37.1083		742.17	77.09	76.63	74.55
50+480.00		35.4410	20.00		34.8680		697.36	77.09	76.63	74.59
50+500.00		34.2949	20.00		34.6541		693.08	77.09	76.63	74.72
50+520.00		35.0132	20.00		35.1212		702.42	77.09	76.63	74.56
50+540.00		35.2292	20.00		35.5459		710.92	77.09	76.63	74.59
50+560.00		35.8625	20.00		35.8631		717.26	77.09	76.63	74.56
50+580.00		35.8636	20.00		35.7436		714.87	77.09	76.63	74.57
50+600.00		35.6236	20.00		36.4557		729.11	77.09	76.63	74.61
50+620.00		37.2878	20.00		38.1401		762.80	77.09	76.63	74.67
50+640.00		38.9924	20.00		39.9634		799.27	77.09	76.63	74.67
50+660.00		40.9343	20.00		38.2065		764.13	77.09	76.63	74.65
50+680.00		35.4786	20.00		34.6972		693.94	77.09	76.63	74.67

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
50+700.00		33.9157	20.00		36.7058		734.12	77.09	76.63	74.70
50+720.00		39.4958	20.00		37.5443		750.89	77.09	76.63	74.67
50+740.00		35.5928	20.00		35.2210		704.42	77.09	76.63	74.69
50+760.00		34.8492	20.00		37.3740		747.48	77.08	76.62	74.63
50+780.00		39.8987	20.00		38.7005		774.01	77.08	76.62	74.66
50+800.00		37.5023	20.00		36.3305		726.61	77.08	76.62	74.66
50+820.00		35.1586	20.00		35.2222		704.44	77.08	76.62	74.66
50+840.00		35.2858	20.00		35.5155		710.31	77.08	76.62	74.58
50+860.00		35.7451	20.00		37.8061		756.12	77.08	76.62	74.63
50+880.00		39.8671	20.00		40.5347		810.69	77.08	76.62	74.63
50+900.00		41.2023	20.00		37.1177		742.35	77.08	76.62	74.81
50+920.00		33.0331	20.00		37.5544		751.09	77.08	76.62	74.93
50+940.00		42.0756	20.00		40.2144		804.29	77.08	76.62	74.72
50+960.00		38.3531	20.00		37.6065		752.13	77.08	76.62	74.72
50+980.00		36.8598	20.00		43.6013		872.03	77.08	76.62	74.59
51+000.00		50.3427	20.00		57.5437		1,150.87	77.08	76.62	74.70
51+020.00		64.7447	20.00		50.9638		1,019.28	77.08	76.62	74.55
51+040.00		37.1829	20.00		38.2090		764.18	77.08	76.62	74.67
51+060.00		39.2350	20.00		46.9501		939.00	77.08	76.62	74.70
51+080.00		54.6652	20.00		47.7123		954.25	77.08	76.62	74.67
51+100.00		40.7593	20.00		36.3253		726.51	77.08	76.62	74.70
51+120.00		31.8912	20.00		31.8057		636.11	77.08	76.62	74.95
51+140.00		31.7201	20.00		31.8976		637.95	77.07	76.61	74.90
51+160.00		32.0751	20.00		32.7000		654.00	77.07	76.61	74.90
51+180.00		33.3248	20.00		33.2540		665.08	77.07	76.61	74.87
51+200.00		33.1831	20.00		33.0702		661.40	77.07	76.61	74.77
51+220.00		32.9573	20.00		32.5934		651.87	77.07	76.61	74.79
51+240.00		32.2294	20.00		32.4175		648.35	77.07	76.61	74.87
51+260.00		32.6055	20.00		36.7855		735.71	77.07	76.61	74.82
51+280.00		40.9655	20.00		36.7096		734.19	77.07	76.61	74.82
51+300.00		32.4536	20.00		32.7022		654.04	77.07	76.61	74.82
51+320.00		32.9508	20.00		33.9855		679.71	77.07	76.61	74.79
51+340.00		35.0201	20.00		31.8422		636.84	77.07	76.61	74.79
51+360.00		28.6643	20.00		29.3523		587.05	77.07	76.61	74.89
51+380.00		30.0402	20.00		30.2094		604.19	77.07	76.61	74.92
51+400.00		30.3785	20.00		29.4707		589.41	77.07	76.61	75.01
51+420.00		28.5629	20.00		28.3866		567.73	77.07	76.61	75.13
51+440.00		28.2102	20.00		29.1381		582.76	77.07	76.61	75.15
51+460.00		30.0659	20.00		29.6324		592.65	77.07	76.61	75.14
51+480.00		29.1989	20.00		29.3342		586.68	77.07	76.61	75.17
51+500.00		29.4695	20.00		28.5627		571.25	77.07	76.61	75.24
51+520.00		27.6559	20.00		27.9127		558.25	77.07	76.61	75.19
51+540.00		28.1695	20.00		27.3110		546.22	77.06	76.60	75.19
51+560.00		26.4525	20.00		26.8479		536.96	77.06	76.60	75.18
51+580.00		27.2432	20.00		27.3383		546.77	77.06	76.60	75.21
51+600.00		27.4333	20.00		27.4385		548.77	77.06	76.60	75.20
51+620.00		27.4436	20.00		28.1841		563.68	77.06	76.60	75.15
51+640.00		28.9245	20.00		28.4872		569.74	77.06	76.60	75.05
51+660.00		28.0498	20.00		27.4249		548.50	77.06	76.60	75.11
51+680.00		26.8000	20.00		26.8438		536.88	77.06	76.60	75.24
51+700.00		26.8876	20.00		26.5839		531.68	77.06	76.60	75.24
51+720.00		26.2802	20.00		26.0574		521.15	77.06	76.60	75.21
51+740.00		25.8346	20.00		26.5706		531.41	77.06	76.60	75.28
51+760.00		27.3066	20.00		28.2824		565.65	77.06	76.60	75.17
51+780.00		29.2581	20.00		30.2746		605.49	77.06	76.60	75.09
51+800.00		31.2911	20.00		29.9882		599.76	77.06	76.60	75.04
51+820.00		28.6853	20.00		28.4139		568.28	77.06	76.60	75.03
51+840.00		28.1424	20.00		28.4499		569.00	77.06	76.60	75.13
51+860.00		28.7574	20.00		29.5262		590.52	77.06	76.60	75.09
51+880.00		30.2950	20.00		30.1525		603.05	77.06	76.60	74.96
51+900.00		30.0099	20.00		30.4974		609.95	77.06	76.60	74.91
51+920.00		30.9848	20.00		32.0022		640.04	77.05	76.59	74.92
51+940.00		33.0196	20.00		32.7784		655.57	77.05	76.59	74.93
51+960.00		32.5371	20.00		32.4531		649.06	77.05	76.59	74.96

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m^2	m^2	m.	m^2	m^2	m^3	m^3	m	m	m
51+980.00		32.3691	20.00		32.5732		651.46	77.05	76.59	74.96
52+000.00		32.7773	20.00		33.1135		662.27	77.05	76.59	74.99
52+020.00		33.4497	20.00		33.2355		664.71	77.05	76.64	74.91
52+040.00		33.0212	20.00		33.5639		671.28	77.05	76.64	74.87
52+060.00		34.1066	20.00		33.1091		662.18	77.05	76.64	74.85
52+080.00		32.1115	20.00		31.8648		637.30	77.05	76.64	74.97
52+100.00		31.6181	20.00		32.0517		641.03	77.05	76.64	75.02
52+120.00		32.4853	20.00		32.0822		641.64	77.05	76.64	75.01
52+140.00		31.6790	20.00		32.3234		646.47	77.05	76.64	75.03
52+160.00		32.9677	20.00		32.8307		656.61	77.05	76.64	74.95
52+180.00		32.6937	20.00		32.4096		648.19	77.05	76.64	74.96
52+200.00		32.1255	20.00		32.1422		642.84	77.05	76.64	74.98
52+220.00		32.1589	20.00		31.7122		634.24	77.05	76.64	75.02
52+240.00		31.2655	20.00		31.5579		631.16	77.05	76.64	75.00
52+260.00		31.8502	20.00		31.4776		629.55	77.05	76.64	75.05
52+280.00		31.1049	20.00		31.6780		633.56	77.05	76.64	75.04
52+300.00		32.2510	20.00		32.2399		644.80	77.05	76.64	75.07
52+320.00		32.2287	20.00		32.4127		648.25	77.04	76.64	75.07
52+340.00		32.5966	20.00		31.6835		633.67	77.04	76.64	75.04
52+360.00		30.7704	20.00		31.2580		625.16	77.04	76.64	75.03
52+380.00		31.7455	20.00		32.1278		642.56	77.04	76.63	75.04
52+400.00		32.5101	20.00		32.4365		648.73	77.04	76.63	75.00
52+420.00		32.3629	20.00		31.9629		639.26	77.04	76.63	75.00
52+440.00		31.5629	20.00		30.9582		619.16	77.04	76.63	75.02
52+460.00		30.3535	20.00		30.8792		617.58	77.04	76.63	75.02
52+480.00		31.4049	20.00		32.5360		650.72	77.04	76.63	74.98
52+500.00		33.6671	20.00		33.1532		663.06	77.04	76.63	74.97
52+520.00		32.6393	20.00		32.7982		655.96	77.04	76.63	74.97
52+540.00		32.9571	20.00		32.1187		642.37	77.04	76.63	75.00
52+560.00		31.2803	20.00		31.1294		622.59	77.04	76.63	74.99
52+580.00		30.9785	20.00		31.6826		633.65	77.04	76.63	74.95
52+600.00		32.3866	20.00		31.1173		622.35	77.04	76.63	74.90
52+620.00		29.8480	20.00		29.5413		590.83	77.04	76.63	74.93
52+640.00		29.2345	20.00		29.6250		592.50	77.04	76.63	75.02
52+660.00		30.0154	20.00		31.2887		625.77	77.04	76.63	74.98
52+680.00		32.5620	20.00		32.4216		648.43	77.04	76.63	75.00
52+700.00		32.2811	20.00		32.1731		643.46	77.04	76.63	74.94
52+720.00		32.0650	20.00		30.8148		616.30	77.03	76.63	74.95
52+740.00		29.5646	20.00		30.3691		607.38	77.03	76.63	74.98
52+760.00		31.1736	20.00		30.8858		617.72	77.03	76.63	74.99
52+780.00		30.5980	20.00		29.6303		592.61	77.03	76.62	74.95
52+800.00		28.6625	20.00		29.4842		589.68	77.03	76.62	75.07
52+820.00		30.3059	20.00		29.5447		590.89	77.03	76.62	75.03
52+840.00		28.7834	20.00		29.5414		590.83	77.03	76.62	75.02
52+860.00		30.2993	20.00		30.4387		608.77	77.03	76.62	75.02
52+880.00		30.5780	20.00		30.3767		607.53	77.03	76.62	74.97
52+900.00		30.1753	20.00		29.2642		585.28	77.03	76.62	75.03
52+920.00		28.3531	20.00		29.9472		598.94	77.03	76.62	75.10
52+940.00		31.5413	20.00		30.1699		603.40	77.03	76.62	75.12
52+960.00		28.7984	20.00		28.5479		570.96	77.03	76.62	75.12
52+980.00		28.2974	20.00		29.1393		582.79	77.03	76.62	75.10
53+000.00		29.9811	40.00		31.6830		1,267.32	77.03	76.57	75.02
53+040.00		33.3848	40.00		32.3812		1,295.25	77.03	76.57	75.01
53+080.00		31.3775	20.00		31.6356		632.71	77.03	76.57	75.18
53+100.00		31.8936	40.00		32.5101		1,300.40	77.02	76.56	75.11
53+140.00		33.1265	40.00		32.5713		1,302.85	77.02	76.56	74.99
53+180.00		32.0160	20.00		31.7902		635.80	77.02	76.56	75.05
53+200.00		31.5643	40.00		31.5171		1,260.68	77.02	76.56	75.09
53+240.00		31.4698	40.00		32.2633		1,290.53	77.02	76.56	75.04
53+280.00		33.0568	20.00		33.3975		667.95	77.02	76.56	75.00
53+300.00		33.7382	40.00		33.9876		1,359.50	77.02	76.56	75.00
53+340.00		34.2370	40.00		33.5462		1,341.85	77.02	76.56	75.05
53+380.00		32.8554	20.00		32.5288		650.58	77.02	76.56	74.97
53+400.00		32.2022	40.00		32.0321		1,281.28	77.02	76.56	75.05

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
53+440.00		31.8620	40.00		31.1113		1,244.45	77.02	76.56	75.05
53+480.00		30.3605	20.00		29.3318		586.64	77.02	76.56	75.04
53+500.00		28.3030	40.00		28.4347		1,137.39	77.01	76.55	75.19
53+540.00		28.5664	40.00		28.6701		1,146.80	77.01	76.55	75.24
53+580.00		28.7738	20.00		28.5063		570.13	77.01	76.55	75.24
53+600.00		28.2388	40.00		28.3601		1,134.40	77.01	76.55	75.26
53+640.00		28.4813	40.00		29.6120		1,184.48	77.01	76.55	75.24
53+680.00		30.7426	20.00		30.4597		609.19	77.01	76.55	75.17
53+700.00		30.1767	40.00		29.8763		1,195.05	77.01	76.55	75.12
53+740.00		29.5759	40.00		29.9236		1,196.94	77.01	76.55	75.19
53+780.00		30.2712	20.00		30.2556		605.11	77.01	76.55	75.11
53+800.00		30.2400	40.00		31.1000		1,244.00	77.01	76.55	75.09
53+840.00		31.9600	40.00		30.8614		1,234.45	77.01	76.55	75.16
53+880.00		29.7627	20.00		29.8632		597.26	77.01	76.55	75.12
53+900.00		29.9637	40.00		29.2820		1,171.28	77.00	76.54	75.00
53+940.00		28.6003	40.00		29.1460		1,165.84	77.00	76.54	75.08
53+980.00		29.6917	20.00		29.3595		587.19	77.00	76.54	75.10
54+000.00		29.0272	40.00		28.8181		1,152.72	77.00	76.54	75.10
54+040.00		28.6090	40.00		28.6930		1,147.72	77.00	76.54	75.15
54+080.00		28.7769	20.00		28.7799		575.60	76.99	76.53	75.16
54+100.00		28.7828	40.00		28.4382		1,137.53	76.99	76.53	75.15
54+140.00		28.0936	40.00		32.4391		1,297.56	76.99	76.53	75.14
54+180.00		36.7845	20.00		34.6289		692.58	76.99	76.53	75.02
54+200.00		32.4733	40.00		33.0498		1,321.99	76.99	76.53	74.89
54+240.00		33.6262	40.00		33.6529		1,346.12	76.99	76.53	74.89
54+280.00		33.6796	20.00		33.4101		668.20	76.99	76.53	74.88
54+300.00		33.1405	40.00		34.5233		1,380.93	76.99	76.53	74.93
54+340.00		35.9060	40.00		39.4525		1,578.10	76.99	76.53	74.64
54+380.00		42.9989	20.00		39.9331		798.66	76.99	76.53	74.68
54+400.00		36.8673	40.00		36.8918		1,475.67	76.99	76.53	74.73
54+440.00		36.9163	40.00		36.7985		1,471.94	76.99	76.53	74.68
54+480.00		36.6806	20.00		36.9601		739.20	76.99	76.53	74.64
54+500.00		37.2396	40.00		38.1666		1,526.66	76.99	76.53	74.63
54+540.00		39.0936	40.00		39.3085		1,572.34	76.99	76.53	74.49
54+580.00		39.5233	20.00		39.3606		787.21	76.99	76.53	74.42
54+600.00		39.1979	40.00		39.0358		1,561.43	76.99	76.53	74.50
54+640.00		38.8737	40.00		38.4774		1,539.09	76.99	76.53	74.50
54+680.00		38.0810	20.00		37.6539		753.08	76.98	76.52	74.50
54+700.00		37.2268	40.00		37.6046		1,504.18	76.98	76.52	74.61
54+740.00		37.9823	40.00		38.7826		1,551.30	76.98	76.52	74.49
54+780.00		39.5829	20.00		31.6226		632.45	76.98	76.52	74.42
54+800.00		23.6622	40.00		26.8495		1,073.98	76.98	76.52	74.83
54+840.00		30.0368	40.00		28.8454		1,153.81	76.98	76.52	74.84
54+880.00		27.6539	20.00		27.1868		543.74	76.98	76.52	75.00
54+900.00		26.7196	40.00		25.4040		1,016.16	76.98	76.52	75.09
54+940.00		24.0883	40.00		24.4121		976.48	76.98	76.52	75.23
54+980.00		24.7359	20.00		24.4349		488.70	76.98	76.52	75.22
55+000.00		24.1338	40.00		29.5960		1,183.84	76.98	76.52	75.28
55+040.00		35.0582	40.00		34.4066		1,376.26	76.98	76.52	74.71
55+080.00		33.7549	20.00		32.6800		653.60	76.97	76.51	74.66
55+100.00		31.6051	40.00		32.6154		1,304.62	76.97	76.51	74.71
55+140.00		33.6257	40.00		34.1744		1,366.98	76.97	76.51	74.79
55+180.00		34.7231	20.00		34.0474		680.95	76.97	76.51	74.74
55+200.00		33.3716	40.00		33.6704		1,346.82	76.97	76.51	74.72
55+240.00		33.9692	40.00		34.1447		1,365.79	76.97	76.51	74.71
55+280.00		34.3201	20.00		34.0620		681.24	76.97	76.51	74.74
55+300.00		33.8039	40.00		33.6745		1,346.98	76.97	76.51	74.74
55+340.00		33.5451	40.00		33.8571		1,354.28	76.97	76.51	74.80
55+380.00		34.1691	20.00		34.1182		682.36	76.97	76.51	74.81
55+400.00		34.0672	40.00		34.8750		1,395.00	76.97	76.51	74.75
55+440.00		35.6828	40.00		33.3051		1,332.20	76.97	76.51	74.70
55+480.00		30.9273	20.00		31.1765		623.53	76.96	76.50	74.81
55+500.00		31.4256	40.00		31.2609		1,250.42	76.96	76.50	74.75
55+540.00		31.0961	40.00		30.2155		1,208.62	76.96	76.50	74.75

77 (Setenta y Siete)

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
55+580.00		29.3349	20.00		27.5972		551.94	76.96	76.50	74.93
55+600.00		25.8595	40.00		23.6211		944.84	76.96	76.50	74.98
55+640.00		21.3826	40.00		22.7406		909.62	76.96	76.50	75.07
55+680.00		24.0986	20.00		25.1952		503.90	76.96	76.50	75.09
55+700.00		26.2918	40.00		28.1130		1,124.52	76.96	76.50	75.00
55+740.00		29.9342	40.00		29.5172		1,180.69	76.96	76.50	74.85
55+780.00		29.1001	20.00		28.2947		565.89	76.96	76.50	74.85
55+800.00		27.4892	40.00		29.1115		1,164.46	76.96	76.50	74.74
55+840.00		30.7337	40.00		29.6084		1,184.33	76.96	76.50	74.70
55+880.00		28.4830	20.00		26.7032		534.06	76.95	76.49	74.80
55+900.00		24.9234	40.00		26.6183		1,064.73	76.95	76.49	74.96
55+940.00		28.3131	40.00		26.8245		1,072.98	76.95	76.49	74.89
55+980.00		25.3358	20.00		25.9728		519.46	76.95	76.49	74.91
56+000.00		26.6097	20.00		30.5764		611.53	76.95	76.49	74.88
56+020.00		34.5431	20.00		34.5881		691.76	76.95	76.49	74.60
56+040.00		34.6331	20.00		35.6843		713.69	76.95	76.49	74.59
56+060.00		36.7355	20.00		36.5444		730.89	76.95	76.49	74.84
56+080.00		36.3533	20.00		36.5141		730.28	76.95	76.49	74.83
56+100.00		36.6749	20.00		34.2897		685.79	76.95	76.49	74.94
56+120.00		31.9044	20.00		32.1478		642.96	76.95	76.49	74.83
56+140.00		32.3912	20.00		32.2059		644.12	76.95	76.49	74.84
56+160.00		32.0206	20.00		31.2803		625.61	76.95	76.49	74.77
56+180.00		30.5399	20.00		30.5275		610.55	76.95	76.49	74.87
56+200.00		30.5151	20.00		31.0266		620.53	76.95	76.49	74.85
56+220.00		31.5380	20.00		31.4796		629.59	76.95	76.49	74.82
56+240.00		31.4211	20.00		31.4793		629.59	76.94	76.48	74.82
56+260.00		31.5375	20.00		31.8742		637.48	76.94	76.48	74.81
56+280.00		32.2108	20.00		34.1928		683.86	76.94	76.48	74.81
56+300.00		36.1748	20.00		34.7886		695.77	76.94	76.48	74.76
56+320.00		33.4024	20.00		33.4030		668.06	76.94	76.48	74.76
56+340.00		33.4035	20.00		33.6630		673.26	76.94	76.48	74.71
56+360.00		33.9225	20.00		34.2589		685.18	76.94	76.48	74.64
56+380.00		34.5953	20.00		35.8847		717.69	76.94	76.48	74.66
56+400.00		37.1741	20.00		36.5566		731.13	76.94	76.48	74.61
56+420.00		35.9390	20.00		38.0693		761.39	76.94	76.48	74.61
56+440.00		40.1996	20.00		40.8481		816.96	76.94	76.48	74.56
56+460.00		41.4966	20.00		40.7958		815.92	76.94	76.48	74.72
56+480.00		40.0949	20.00		38.6244		772.49	76.94	76.48	74.60
56+500.00		37.1538	20.00		35.8105		716.21	76.94	76.48	74.66
56+520.00		34.4671	20.00		33.7678		675.36	76.94	76.48	74.71
56+540.00		33.0685	20.00		32.6472		652.94	76.94	76.48	74.76
56+560.00		32.2258	20.00		32.0781		641.56	76.94	76.48	74.81
56+580.00		31.9304	20.00		32.2563		645.13	76.94	76.48	74.76
56+600.00		32.5821	20.00		32.9555		659.11	76.94	76.48	74.71
56+620.00		33.3288	20.00		33.4504		669.01	76.94	76.48	74.71
56+640.00		33.5719	20.00		33.5239		670.48	76.93	76.47	74.71
56+660.00		33.4758	20.00		33.3873		667.75	76.93	76.47	74.81
56+680.00		33.2987	20.00		33.5670		671.34	76.93	76.47	74.84
56+700.00		33.8353	20.00		35.1547		703.09	76.93	76.47	74.78
56+720.00		36.4741	20.00		37.8108		756.22	76.93	76.47	74.78
56+740.00		39.1474	20.00		36.3473		726.95	76.93	76.47	74.71
56+760.00		33.5472	20.00		32.9573		659.15	76.93	76.47	74.81
56+780.00		32.3673	20.00		34.7831		695.66	76.93	76.47	74.91
56+800.00		37.1989	20.00		36.8447		736.89	76.93	76.47	74.81
56+820.00		36.4904	20.00		35.9032		718.06	76.93	76.47	74.71
56+840.00		35.3160	20.00		35.3302		706.60	76.93	76.47	74.81
56+860.00		35.3444	20.00		35.4551		709.10	76.93	76.47	74.75
56+880.00		35.5657	20.00		35.0098		700.20	76.93	76.47	74.75
56+900.00		34.4538	20.00		35.5923		711.85	76.93	76.47	74.72
56+920.00		36.7307	20.00		37.4840		749.68	76.93	76.47	74.62
56+940.00		38.2372	20.00		38.8659		777.32	76.93	76.47	74.65
56+960.00		39.4945	20.00		39.7570		795.14	76.93	76.47	74.63
56+980.00		40.0195	20.00		39.6615		793.23	76.93	76.47	74.60
57+000.00		39.3035	20.00		39.2713		785.43	76.93	76.47	74.57

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
57+020.00		39.2391	20.00		40.1048		802.10	76.93	76.47	74.55
57+040.00		40.9705	20.00		41.4968		829.94	76.93	76.47	74.32
57+060.00		42.0230	20.00		40.5137		810.27	76.93	76.47	74.18
57+080.00		39.0043	20.00		39.8850		797.70	76.93	76.47	74.55
57+100.00		40.7656	20.00		41.6220		832.44	76.93	76.47	74.45
57+120.00		42.4783	20.00		41.0336		820.67	76.92	76.46	74.11
57+140.00		39.5888	20.00		40.5874		811.75	76.92	76.46	74.44
57+160.00		41.5859	20.00		40.8237		816.47	76.92	76.46	74.29
57+180.00		40.0614	20.00		41.7502		835.00	76.92	76.46	74.54
57+200.00		43.4390	20.00		41.7041		834.08	76.92	76.46	74.61
57+220.00		39.9692	20.00		39.6989		793.98	76.92	76.46	74.24
57+240.00		39.4286	20.00		40.9527		819.05	76.92	76.46	74.62
57+260.00		42.4768	20.00		42.6024		852.05	76.92	76.46	74.33
57+280.00		42.7280	20.00		42.4973		849.95	76.92	76.46	74.58
57+300.00		42.2666	20.00		43.8014		876.03	76.92	76.46	74.33
57+320.00		45.3361	20.00		41.9062		838.12	76.92	76.46	73.98
57+340.00		38.4763	20.00		34.9757		699.51	76.92	76.46	74.58
57+360.00		31.4750	20.00		31.7373		634.75	76.92	76.46	74.93
57+380.00		31.9995	20.00		31.9533		639.07	76.92	76.46	74.75
57+400.00		31.9070	20.00		32.3797		647.59	76.92	76.46	74.78
57+420.00		32.8523	20.00		34.3348		686.70	76.92	76.46	74.78
57+440.00		35.8172	20.00		35.8258		716.52	76.92	76.46	74.78
57+460.00		35.8343	20.00		35.6950		713.90	76.92	76.46	74.78
57+480.00		35.5556	20.00		36.3924		727.85	76.92	76.46	74.78
57+500.00		37.2292	20.00		35.9442		718.88	76.92	76.46	74.78
57+520.00		34.6592	20.00		34.7186		694.37	76.92	76.46	74.78
57+540.00		34.7780	20.00		34.2596		685.19	76.92	76.46	74.78
57+560.00		33.7411	20.00		34.3155		686.31	76.92	76.46	74.79
57+580.00		34.8899	20.00		34.8576		697.15	76.92	76.46	74.79
57+600.00		34.8252	20.00		34.5376		690.75	76.92	76.46	74.79
57+620.00		34.2499	20.00		34.3693		687.39	76.92	76.46	74.79
57+640.00		34.4887	20.00		34.5248		690.50	76.91	76.45	74.77
57+660.00		34.5609	20.00		34.7710		695.42	76.91	76.45	74.74
57+680.00		34.9811	20.00		34.8139		696.28	76.91	76.45	74.74
57+700.00		34.6466	20.00		33.8871		677.74	76.91	76.45	74.81
57+720.00		33.1275	20.00		32.6459		652.92	76.91	76.45	74.88
57+740.00		32.1643	20.00		32.2291		644.58	76.91	76.45	74.90
57+760.00		32.2939	20.00		31.9144		638.29	76.91	76.45	74.88
57+780.00		31.5348	20.00		32.0609		641.22	76.91	76.45	74.98
57+800.00		32.5869	20.00		32.3844		647.69	76.91	76.45	74.83
57+820.00		32.1819	20.00		33.1477		662.95	76.91	76.45	74.83
57+840.00		34.1135	20.00		34.5008		690.02	76.91	76.45	74.84
57+860.00		34.8880	20.00		34.9162		698.32	76.91	76.45	74.88
57+880.00		34.9443	20.00		35.3654		707.31	76.91	76.45	74.78
57+900.00		35.7864	20.00		35.7622		715.24	76.91	76.45	74.78
57+920.00		35.7380	20.00		35.5299		710.60	76.91	76.45	74.83
57+940.00		35.3218	20.00		35.4090		708.18	76.91	76.45	74.85
57+960.00		35.4961	20.00		34.7345		694.69	76.91	76.45	74.78
57+980.00		33.9729	20.00		33.3402		666.80	76.91	76.45	74.76
58+000.00		32.7075	20.00		36.0500		721.00	76.91	76.45	74.78
58+020.00		39.3925	20.00		40.1764		803.53	76.91	75.69	74.39
58+040.00		40.9602	20.00		40.4636		809.27	76.91	75.99	74.39
58+060.00		39.9670	20.00		39.6123		792.25	76.91	76.02	74.42
58+080.00		39.2575	20.00		38.8875		777.75	76.91	76.01	74.41
58+100.00		38.5175	20.00		39.3867		787.73	76.91	75.97	74.37
58+120.00		40.2559	20.00		39.8536		797.07	76.91	75.99	74.39
58+140.00		39.4512	20.00		39.3143		786.29	76.91	76.02	74.42
58+160.00		39.1773	20.00		39.5660		791.32	76.90	75.99	74.39
58+180.00		39.9546	20.00		40.5745		811.49	76.90	75.97	74.37
58+200.00		41.1943	20.00		42.5004		850.01	76.90	75.84	74.24
58+220.00		43.8064	20.00		47.4108		948.22	76.90	75.88	74.28
58+240.00		51.0151	20.00		51.2452		1,024.90	76.90	75.65	74.05
58+260.00		51.4752	20.00		50.4972		1,009.04	76.90	75.77	74.17
58+280.00		49.5192	20.00		49.0036		980.07	76.90	75.75	74.15

79 (Setenta y Nueve)

Planilla de Volumen de Movimiento de Suelo

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
58+300.00		48.4879	20.00		48.9430		978.86	76.90	75.72	74.12
58+320.00		49.3981	20.00		49.4096		988.19	76.90	75.87	74.27
58+340.00		49.4211	20.00		49.1781		983.56	76.90	75.87	74.27
58+360.00		48.9350	20.00		47.9240		958.48	76.90	75.89	74.29
58+380.00		46.9130	20.00		46.9277		938.55	76.90	75.90	74.30
58+400.00		46.9423	20.00		46.5829		931.66	76.90	75.86	74.26
58+420.00		46.2235	20.00		46.5423		930.85	76.90	75.85	74.25
58+440.00		46.8611	20.00		47.7379		954.76	76.90	75.92	74.32
58+460.00		48.6147	20.00		48.3484		966.97	76.90	75.89	74.29
58+480.00		48.0821	20.00		48.8808		977.62	76.90	75.90	74.30
58+500.00		49.6795	20.00		49.6632		993.26	76.90	75.85	74.25
58+520.00		49.6469	20.00		49.1703		983.41	76.90	75.86	74.26
58+540.00		48.6936	20.00		48.9734		979.47	76.90	75.79	74.19
58+560.00		49.2531	20.00		48.3818		967.64	76.90	75.80	74.20
58+580.00		47.5104	20.00		48.1878		963.76	76.90	75.75	74.15
58+600.00		48.8652	20.00		49.0099		980.20	76.90	75.70	74.10
58+620.00		49.1545	20.00		50.9249		1,018.50	76.90	75.65	74.05
58+640.00		52.6952	20.00		52.0320		1,040.64	76.90	75.70	74.10
58+660.00		51.3687	20.00		51.5887		1,031.77	76.90	75.60	74.00
58+680.00		51.8087	20.00		54.5589		1,091.18	76.90	75.68	74.08
58+700.00		57.3090	20.00		56.1205		1,122.41	76.90	75.60	74.00
58+720.00		54.9319	20.00		57.1840		1,143.68	76.90	75.58	73.98
58+740.00		59.4360	20.00		60.0241		1,200.48	76.90	75.50	73.90
58+760.00		60.6122	20.00		62.5983		1,251.97	76.90	75.55	73.95
58+780.00		64.5844	20.00		64.6501		1,293.00	76.90	75.52	73.92
58+800.00		64.7157	20.00		65.7419		1,314.84	76.90	75.46	73.86
58+820.00		66.7680	20.00		67.9872		1,359.74	76.90	75.48	73.88
58+840.00		69.2063	20.00		68.6075		1,372.15	76.90	75.43	73.83
58+860.00		68.0087	20.00		68.4805		1,369.61	76.90	75.46	73.86
58+880.00		68.9522	20.00		69.4511		1,389.02	76.90	75.25	73.65
58+900.00		69.9500	20.00		69.0207		1,380.41	76.90	75.15	73.55
58+920.00		68.0914	20.00		68.2339		1,364.68	76.90	75.22	73.62
58+940.00		68.3764	20.00		67.1010		1,342.02	76.90	75.24	73.64
58+960.00		65.8255	20.00		66.1276		1,322.55	76.90	75.25	73.65
58+980.00		66.4296	20.00		66.1230		1,322.46	76.90	75.24	73.64
59+000.00		65.8163	20.00		68.4508		1,369.02	76.90	75.21	73.61
59+020.00		71.0852	20.00		71.3704		1,427.41	76.90	75.16	73.36
59+040.00		71.6556	20.00		75.5820		1,511.64	76.90	75.10	73.30
59+060.00		79.5083	20.00		77.9237		1,558.47	76.90	75.01	73.21
59+080.00		76.3391	20.00		79.7839		1,595.68	76.90	75.01	73.21
59+100.00		83.2287	20.00		84.2382		1,684.76	76.90	74.95	73.15
59+120.00		85.2477	20.00		85.8356		1,716.71	76.90	74.93	73.13
59+140.00		86.4234	20.00		85.2791		1,705.58	76.90	74.95	73.15
59+160.00		84.1348	20.00		84.8614		1,697.23	76.90	74.92	73.12
59+180.00		85.5879	20.00		84.7017		1,694.03	76.90	74.90	73.10
59+200.00		83.8154	20.00		85.3379		1,706.76	76.90	74.83	73.03
59+220.00		86.8603	20.00		86.1996		1,723.99	76.90	74.86	73.06
59+240.00		85.5388	20.00		87.0906		1,741.81	76.90	74.86	73.06
59+260.00		88.6424	20.00		85.3267		1,706.53	76.90	74.84	73.04
59+280.00		82.0110	20.00		85.7311		1,714.62	76.90	74.86	73.06
59+300.00		89.4511	20.00		87.1211		1,742.42	76.89	74.88	73.08
59+320.00		84.7910	20.00		89.2186		1,784.37	76.89	74.81	73.01
59+340.00		93.6461	20.00		92.2945		1,845.89	76.89	74.72	72.92
59+360.00		90.9429	20.00		89.7870		1,795.74	76.89	74.76	72.96
59+380.00		88.6311	20.00		91.3421		1,826.84	76.89	74.68	72.88
59+400.00		94.0530	20.00		93.4370		1,868.74	76.89	74.67	72.87
59+420.00		92.8209	20.00		92.8652		1,857.30	76.89	74.66	72.86
59+440.00		92.9094	20.00		92.3415		1,846.83	76.89	74.70	72.90
59+460.00		91.7736	20.00		97.0291		1,940.58	76.89	74.66	72.86
59+480.00		102.2846	20.00		100.1788		2,003.58	76.89	74.50	72.70
59+500.00		98.0730	20.00		98.6220		1,972.44	76.89	74.43	72.63
59+520.00		99.1710	20.00		99.6221		1,992.44	76.89	74.37	72.57
59+540.00		100.0732	20.00		98.3985		1,967.97	76.89	74.34	72.54
59+560.00		96.7238	20.00		93.6422		1,872.84	76.89	74.34	72.54

80 (Ochenta)

Planilla de Volumen de Movimiento de Suelo Perfil 4 Win

Obra: Km 40 - Alberdi Tramo: 0+000 a 66+920

Tramo:

Tipo: Proyecto

Volúmen: Total ⇐

Banquina Izquierda

Banquina Derecha

Progresiva	Areas		Distancia	Areas Medias		Volumen		Cotas		
	Excavacion	Terraplén		Excavación	Terraplén	Excavación	Terraplén	Proyecto	Carga	Terr. Nat
m.	m²	m²	m.	m²	m²	m³	m³	m	m	m
59+580.00		90.5606	20.00		92.5526		1,851.05	76.89	74.37	72.57
59+600.00		94.5445	20.00		92.4229		1,848.46	76.89	74.37	72.57
59+620.00		90.3012	20.00		92.2216		1,844.43	76.89	74.47	72.67
59+640.00		94.1419	20.00		95.5806		1,911.61	76.89	74.46	72.66
59+660.00		97.0193	20.00		95.6880		1,913.76	76.89	74.47	72.67
59+680.00		94.3566	20.00		91.8636		1,837.27	76.89	74.49	72.69
59+700.00		89.3706	20.00		89.5511		1,791.02	76.89	74.49	72.69
59+720.00		89.7315	20.00		90.3283		1,806.57	76.89	74.40	72.60
59+740.00		90.9251	20.00		89.9582		1,799.16	76.89	74.30	72.50
59+760.00		88.9913	20.00		85.0787		1,701.57	76.89	74.32	72.52
59+780.00		81.1660	20.00		82.7804		1,655.61	76.89	74.49	72.69
59+800.00		84.3947	20.00		84.6453		1,692.91	76.89	74.41	72.61
59+820.00		84.8959	20.00		81.8132		1,636.26	76.89	74.42	72.62
59+840.00		78.7304	20.00		84.5817		1,691.63	76.89	74.56	72.76
59+860.00		90.4330	20.00		89.0978		1,781.96	76.89	74.48	72.68
59+880.00		87.7626	20.00		88.2446		1,764.89	76.89	74.44	72.64
59+900.00		88.7266	20.00		91.0369		1,820.74	76.89	74.42	72.62
59+920.00		93.3471	20.00		90.1596		1,803.19	76.89	74.42	72.62
59+940.00		86.9721	20.00		91.4867		1,829.73	76.89	74.44	72.64
59+960.00		96.0012	20.00		97.2231		1,944.46	76.89	74.41	72.61
59+980.00		98.4450	20.00		99.5070		1,990.14	76.89	74.43	72.63
60+000.00		100.5689	20.00		97.3133		1,946.27	76.89	73.50	72.58
60+020.00		94.0576	20.00		93.8627		1,877.25	76.89	73.45	72.70
60+040.00		93.6678	20.00		93.5671		1,871.34	76.89	73.45	72.65
60+060.00		93.4663	20.00		95.8969		1,917.94	76.89	73.50	72.65
60+080.00		98.3275	20.00		95.4032		1,908.06	76.89	73.52	72.70
60+100.00		92.4788	20.00		94.6633		1,893.27	76.89	73.45	72.72
60+120.00		96.8477	20.00		97.1763		1,943.53	76.89	73.40	72.65
60+140.00		97.5049	20.00		96.8867		1,937.73	76.89	73.30	72.60
60+160.00		96.2684	20.00		99.3275		1,986.55	76.89	73.28	72.50
60+180.00		102.3866	20.00		100.4712		2,009.42	76.89	73.20	72.48
60+200.00		98.5557	20.00		99.7913		1,995.83	76.89	73.33	72.40
60+220.00		101.0268	20.00		101.4554		2,029.11	76.89	73.32	72.53
60+240.00		101.8839	20.00		103.0422		2,060.84	76.89	73.30	72.52
60+260.00		104.2005	20.00		101.9977		2,039.95	76.89	73.31	72.50
60+280.00		99.7948	20.00		100.8521		2,017.04	76.89	73.30	72.51
60+300.00		101.9094	20.00		101.3887		2,027.77	76.89	73.33	72.50
60+320.00		100.8680	20.00		99.5725		1,991.45	76.89	73.38	72.53
60+340.00		98.2770	20.00		98.0929		1,961.86	76.89	73.34	72.58
60+360.00		97.9087	20.00		96.4491		1,928.98	76.89	73.50	72.54
60+380.00		94.9895	20.00		95.7010		1,914.02	76.89	73.50	72.70
60+400.00		96.4124	20.00		96.4969		1,929.94	76.89	73.43	72.70
60+420.00		96.5814	20.00		95.8786		1,917.57	76.89	73.43	72.63
60+440.00		95.1758	20.00		95.3378		1,906.76	76.89	73.36	72.63
60+460.00		95.4998	20.00		94.4329		1,888.66	76.89	73.30	72.56
60+480.00		93.3660	20.00		95.7166		1,914.33	76.89	73.28	72.50
60+500.00		98.0671	20.00		100.6350		2,012.70	76.89	73.19	72.48
60+520.00		103.2029	20.00		101.6211		2,032.42	76.89	73.24	72.39
60+540.00		100.0393	20.00		102.4645		2,049.29	76.89	73.11	72.44
60+560.00		104.8896	20.00		104.5462		2,090.92	76.89	73.18	72.31
60+580.00		104.2028	20.00		106.0808		2,121.62	76.89	73.17	72.38
60+600.00		107.9587	20.00		105.8013		2,116.03	76.89	73.19	72.37
60+620.00		103.6439	20.00		104.9552		2,099.10	76.89	73.14	72.39
60+640.00		106.2664	20.00		106.4081		2,128.16	76.89	73.23	72.34
60+660.00		106.5498	20.00		106.0379		2,120.76	76.89	73.16	72.43
60+680.00		105.5259	20.00		105.2834		2,105.67	76.89	73.03	72.36
60+700.00		105.0408	20.00		105.0306		2,100.61	76.89	73.03	72.23
60+720.00		105.0204	20.00		106.9243		2,138.49	76.89	72.94	72.23
60+740.00		108.8282	20.00		108.7626		2,175.25	76.89	72.78	72.14
60+760.00		108.6969	20.00		110.3191		2,206.38	76.89	72.74	71.98
60+780.00		111.9413	20.00		109.7745		2,195.49	76.89	72.88	71.94
60+800.00		107.6076	20.00		110.0094		2,200.19	76.89	72.87	72.08
60+820.00		112.4112	20.00		112.8565		2,257.13	76.89	72.98	72.07
60+840.00		113.3018	20.00		114.8397		2,296.79	76.88	72.93	72.18

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