ANEXO 3

Computo Métrico

ITEM - TERRAPLEN			
RESUMEN			
DESDE	HASTA	TERRAPLEN (m3)	OBSERVACIONES
0+000	66+920	2,310,198.01	TRAZA/INCLUYE INTERSECCIONES ESTANZUELA Y VILLA OLIVA 1
0+000	66+920	179,513.80	REPOSICION DE BOLSON
34+100	34+100	13,557.67	INTERSECCION - VILLA OLIVA 2 - LD
40+800	40+800	4,408.39	INTERSECCION - ZANJITA - AL
57+400	57+400	4,485.40	INTERSECCION - VILLA FRANCA - AL
61+300	61+300	5,211.23	INTERSECCION - CIA CHACO I - AL
63+100	63+100	5,211.23	INTERSECCION - CIA LOMA - LD
0+300	4+500	0.00	TRAVESIA VILLA OLIVA
67+100	68+180	0.00	TRAVESIA ALBERDI
TOTAL		2,522,585.73	
ADOPTADO		2,528,961.92	

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
	-7.3118		20.00	-3.7272	0.5423	-74.54	10.85	78.60	78.14	78.52
0+20.00	-0.1426	1.0846	20.00	-0.1311	1.2410	-2.62	24.82	78.58	78.12	78.19
0+40.00	-0.1196	1.3974	20.00	-0.0598	2.1209	-1.20	42.42	78.55	78.09	78.17
0+60.00		2.8443	20.00		3.1162		62.32	78.53	78.07	77.91
0+80.00		3.3881	20.00		3.1049		62.10	78.50	78.04	77.99
0+100.00		2.8216	20.00		3.0716		61.43	78.48	78.02	78.00
0+120.00		3.3216	20.00		3.3929		67.86	78.46	78.00	77.98
0+140.00		3.4642	20.00		3.3569		67.14	78.43	77.97	77.86
0+160.00		3.2496	20.00		3.4893		69.79	78.41	77.95	77.89
0+180.00		3.7290	20.00		3.9141		78.28	78.38	77.92	77.82
0+200.00		4.0992	20.00		3.9178		78.36	78.36	77.90	77.82
0+220.00		3.7364	20.00		3.4817		69.63	78.33	77.87	77.82
0+240.00		3.2269	20.00		3.2369		64.74	78.31	77.85	77.82
0+260.00		3.2469	20.00		2.9943		59.89	78.29	77.83	77.80
0+280.00		2.7417	20.00	-0.0001	2.6176	0.00	52.35	78.26	77.80	77.80
0+300.00	-0.0001	2.4935	20.00	-0.0001	3.1207	0.00	62.41	78.24	77.78	77.78
0+320.00		3.7478	20.00	-0.0071	2.9567	-0.14	59.13	78.21	77.75	77.71
0+340.00	-0.0142	2.1655	20.00	-0.0071	2.5988	-0.14	51.98	78.19	77.73	77.76
0+360.00		3.0320	20.00	-0.0128	2.7049	-0.26	54.10	78.16	77.70	77.69
0+380.00	-0.0256	2.3777	20.00	-0.0128	2.7580	-0.26	55.16	78.14	77.68	77.73
0+400.00		3.1383	20.00		3.1697		63.39	78.14	77.68	77.66
0+420.00		3.2010	20.00		3.1118		62.24	78.14	77.68	77.66
0+440.00		3.0226	20.00		2.7405		54.81	78.14	77.68	77.66
0+460.00		2.4584	20.00		2.5071		50.14	78.14	77.68	77.67
0+480.00		2.5558	20.00	-0.0009	2.6302	-0.02	52.60	78.14	77.68	77.65
0+500.00	-0.0018	2.7045	20.00	-0.0070	2.7151	-0.14	54.30	78.14	77.68	77.69
0+520.00	-0.0122	2.7256	20.00	-0.0061	3.1171	-0.12	62.34	78.14	77.68	77.71
0+540.00		3.5085	20.00		3.8688		77.38	78.14	77.68	77.65
0+560.00		4.2290	20.00		4.1777		83.55	78.14	77.68	77.60
0+580.00		4.1264	20.00		3.9421		78.84	78.14	77.68	77.62
0+600.00		3.7578	20.00		3.5845		71.69	78.13	77.67	77.60
0+620.00		3.4111	20.00		3.5195		70.39	78.13	77.67	77.61
0+640.00		3.6278	20.00	-0.0016	3.1298	-0.03	62.60	78.13	77.67	77.62
0+660.00	-0.0031	2.6317	20.00	-0.2845	3.0864	-5.69	61.73	78.13	77.67	77.69
0+680.00	-0.5658	3.5410	20.00	-0.5606	3.1735	-11.21	63.47	78.13	77.67	77.70
0+700.00	-0.5553	2.8060	20.00	-0.5434	2.8428	-10.87	56.86	78.13	77.67	77.73
0+720.00	-0.5314	2.8796	20.00	-0.5257	2.9108	-10.51	58.22	78.13	77.67	77.70
0+740.00	-0.5200	2.9420	20.00	-0.2641	2.7059	-5.28	54.12	78.13	77.67	77.66
0+760.00	-0.0081	2.4698	20.00	-0.0041	2.5308	-0.08	50.62	78.13	77.67	77.70
0+780.00		2.5918	20.00		2.9576		59.15	78.13	77.67	77.66
0+800.00		3.3233	20.00		3.2405		64.81	78.13	77.67	77.50
0+820.00		3.1576	20.00		3.4226		68.45	78.13	77.67	77.42
0+840.00		3.6875	20.00		3.7528		75.06	78.13	77.67	77.47
0+860.00		3.8180	20.00		3.8508		77.02	78.13	77.67	77.37
0+880.00		3.8835	20.00		4.0624		81.25	78.13	77.67	77.39
0+900.00		4.2413	20.00		4.4469		88.94	78.13	77.67	77.40
0+920.00		4.6524	20.00		4.1628		83.26	78.13	77.67	77.47
0+940.00		3.6732	20.00		4.1188		82.38	78.13	77.67	77.63
0+960.00		4.5644	20.00	-0.4213	3.6748	-8.43	73.50	78.12	77.66	77.63
0+980.00	-0.8425	2.7852	20.00	-0.4213	3.5480	-8.43	70.96	78.12	77.66	77.67
1+000.00		4.3107	20.00		4.6103		92.21	78.12	77.66	77.61
1+020.00		4.9098	20.00	-0.3891	3.9494	-7.78	78.99	78.12	77.66	77.43
1+040.00	-0.7782	2.9889	20.00	-0.7085	3.4296	-14.17	68.59	78.12	77.66	77.58
1+060.00	-0.6387	3.8702	20.00	-0.6851	4.2273	-13.70	84.55	78.12	77.66	77.56
1+080.00	-0.7314	4.5843	20.00	-0.8273	4.0185	-16.55	80.37	78.12	77.66	77.61
1+100.00	-0.9232	3.4527	20.00	-0.7604	3.4299	-15.21	68.60	78.12	77.66	77.59
1+120.00	-0.5975	3.4071	20.00	-0.7467	3.4439	-14.93	68.88	78.12	77.66	77.59
1+140.00	-0.8959	3.4806	20.00	-0.7541	3.0857	-15.08	61.71	78.12	77.66	77.60
1+160.00	-0.6123	2.6908	20.00	-0.8501	3.1820	-17.00	63.64	78.12	77.66	77.50
1+180.00	-1.0879	3.6732	20.00	-1.0629	3.5390	-21.26	70.78	78.12	77.66	77.24
1+200.00	-1.0378	3.4048	20.00	-0.5227	3.4844	-10.45	69.69	78.12	77.66	77.34
1+220.00	-0.0075	3.5640	20.00	-0.3513	3.3346	-7.03	66.69	78.12	77.66	77.69
1+240.00	-0.6950	3.1052	20.00	-0.6888	2.9938	-13.78	59.88	78.12	77.66	77.74
1+260.00	-0.6826	2.8824	20.00	-0.4039	2.9388	-8.08	58.78	78.12	77.66	77.73

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
1+280.00	-0.1252	2.9952	20.00	-0.2176	3.0465	-4.35	60.93	78.12	77.66	77.76
1+300.00	-0.3100	3.0978	20.00	-0.2362	2.6861	-4.72	53.72	78.12	77.66	77.76
1+320.00	-0.1623	2.2744	20.00	-0.1026	2.5542	-2.05	51.08	78.11	77.65	77.77
1+340.00	-0.0428	2.8339	20.00	-0.0219	2.5657	-0.44	51.31	78.11	77.65	77.72
1+360.00	-0.0010	2.2974	20.00	-0.0005	2.9388	-0.01	58.78	78.11	77.65	77.66
1+380.00		3.5801	20.00		3.9570		79.14	78.11	77.65	77.58
1+400.00		4.3338	20.00		4.6161		92.32	78.11	77.65	77.54
1+420.00		4.8984	20.00		5.2598		105.20	78.11	77.65	77.54
1+440.00		5.6211	20.00		6.3164		126.33	78.11	77.65	77.49
1+460.00		7.0117	20.00		7.2022		144.04	78.11	77.65	77.42
1+480.00		7.3927	20.00		8.2347		164.69	78.11	77.65	77.37
1+500.00		9.0767	20.00		9.6426		192.85	78.11	77.65	77.29
1+520.00		10.2085	20.00		10.6245		212.49	78.11	77.65	77.24
1+540.00		11.0404	20.00		10.7632		215.26	78.11	77.65	77.21
1+560.00		10.4860	20.00		10.9790		219.58	78.11	77.65	77.24
1+580.00		11.4719	20.00		11.7096		234.19	78.11	77.65	77.22
1+600.00		11.9473	20.00		11.8863		237.73	78.11	77.65	77.22
1+620.00		11.8253	20.00		12.1887		243.77	78.11	77.65	77.21
1+640.00		12.5521	20.00		12.5008		250.02	78.11	77.65	77.18
1+660.00		12.4494	20.00		12.6278		252.56	78.11	77.65	77.12
1+680.00		12.8061	20.00		14.1878		283.76	78.10	77.64	77.11
1+700.00		15.5694	20.00		14.7031		294.06	78.10	77.64	77.06
1+720.00		13.8368	20.00		13.8467		276.93	78.10	77.64	77.20
1+740.00		13.8566	20.00		13.7159		274.32	78.10	77.64	77.24
1+760.00		13.5751	20.00		13.5743		271.49	78.10	77.64	77.25
1+780.00		13.5734	20.00		12.0850		241.70	78.10	77.64	77.14
1+800.00		10.5966	20.00		9.4320		188.64	78.10	77.64	77.29
1+820.00		8.2674	20.00		8.4715		169.43	78.10	77.64	77.42
1+840.00		8.6756	20.00		10.0203		200.41	78.10	77.64	77.38
1+860.00		11.3649	20.00		10.9920		219.84	78.10	77.64	77.24
1+880.00		10.6191	20.00		10.8113		216.23	78.10	77.64	77.22
1+900.00		11.0034	20.00		10.9492		218.98	78.10	77.64	77.25
1+920.00		10.8949	20.00		10.8153		216.31	78.10	77.64	77.24
1+940.00		10.7356	20.00		10.7642		215.28	78.10	77.64	77.27
1+960.00		10.7927	20.00		11.4145		228.29	78.10	77.64	77.23
1+980.00		12.0362	20.00		12.1779		243.56	78.10	77.64	77.18
2+000.00		12.3196	20.00		12.2773		245.55	78.10	77.64	77.12
2+020.00		12.2350	20.00		12.1000		242.00	78.10	77.64	77.12
2+040.00		11.9649	20.00		12.1765		243.53	78.09	77.63	77.23
2+060.00		12.3881	20.00		12.7559		255.12	78.09	77.63	77.21
2+080.00		13.1236	20.00		13.3149		266.30	78.09	77.63	77.13
2+100.00		13.5062	20.00		13.1529		263.06	78.09	77.63	77.13
2+120.00		12.7995	20.00		12.4107		248.21	78.09	77.63	77.23
2+140.00		12.0218	20.00		12.4110		248.22	78.09	77.63	77.19
2+160.00		12.8002	20.00		12.6113		252.23	78.09	77.63	77.15
2+180.00		12.4223	20.00		11.8865		237.73	78.09	77.63	77.19
2+200.00		11.3507	20.00		11.4837		229.67	78.09	77.63	77.24
2+220.00		11.6167	20.00		11.5016		230.03	78.09	77.63	77.21
2+240.00		11.3864	20.00		11.7772		235.54	78.08	77.62	77.23
2+260.00		12.1680	20.00		11.8629		237.26	78.08	77.62	77.22
2+280.00		11.5577	20.00		11.5986		231.97	78.08	77.62	77.21
2+300.00		11.6394	20.00		11.9995		239.99	78.08	77.62	77.18
2+320.00		12.3596	20.00		12.2320		244.64	78.08	77.62	77.16
2+340.00		12.1044	20.00		12.2818		245.64	78.08	77.62	77.19
2+360.00		12.4592	20.00		12.0426		240.85	78.08	77.62	77.18
2+380.00		11.6260	20.00		11.3047		226.09	78.08	77.62	77.21
2+400.00		10.9834	20.00		11.4154		228.31	78.08	77.62	77.26
2+420.00		11.8474	20.00		11.0000		220.00	78.08	77.62	77.22
2+440.00		10.1526	20.00		10.5256		210.51	78.08	77.62	77.29
2+460.00		10.8986	20.00		11.0067		220.13	78.07	77.61	77.26
2+480.00		11.1148	20.00		11.0659		221.32	78.07	77.61	77.24
2+500.00		11.0169	20.00		10.6955		213.91	78.07	77.61	77.23
2+520.00		10.3740	20.00		10.0937		201.87	78.07	77.61	77.24
2+540.00		9.8134	20.00		9.5712		191.42	78.07	77.61	77.31

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
2+560.00		9.3289	20.00		9.6949		193.90	78.07	77.61	77.32
2+580.00		10.0608	20.00		11.1215		222.43	78.07	77.61	77.28
2+600.00		12.1822	20.00		11.1301		222.60	78.07	77.61	77.17
2+620.00		10.0779	20.00		9.5660		191.32	78.07	77.61	77.30
2+640.00		9.0540	20.00		8.5777		171.55	78.07	77.61	77.33
2+660.00		8.1014	20.00		7.5353		150.71	78.07	77.61	77.35
2+680.00		6.9691	20.00		8.7640		175.28	78.06	77.60	77.32
2+700.00		10.5588	20.00		9.9287		198.57	78.06	77.60	77.26
2+720.00		9.2986	20.00		8.7467		174.93	78.06	77.60	77.27
2+740.00		8.1947	20.00		7.3616		147.23	78.07	77.61	77.36
2+760.00		6.5284	20.00		6.8911		137.82	78.10	77.64	77.63
2+780.00		7.2537	20.00		7.2361		144.72	78.15	77.69	77.57
2+800.00		7.2184	20.00		6.6500		133.00	78.23	77.77	77.66
2+820.00		6.0816	20.00	-1.2980	3.2216	-25.96	64.43	78.31	77.85	77.73
2+840.00	-2.5960	0.3615	20.00	-1.2980	3.0073	-25.96	60.15	78.04	77.58	77.82
2+860.00		5.6531	20.00	-0.0036	4.6091	-0.07	92.18	78.46	78.00	77.91
2+880.00	-0.0071	3.5651	20.00	-0.0040	4.4288	-0.08	88.58	78.51	78.05	78.07
2+900.00	-0.0009	5.2925	20.00	-0.0654	4.8160	-1.31	96.32	78.54	78.08	78.09
2+920.00	-0.1298	4.3394	20.00	-2.5230	2.4778	-50.46	49.56	78.55	78.09	78.18
2+940.00	-4.9162	0.6161	120.00	-4.3802	1.4685	-525.62	176.21	78.55	78.09	78.37
3+060.00	-3.8441	2.3208	20.00	-1.9221	4.1838	-38.44	83.68	78.55	78.09	78.21
3+080.00		6.0467	20.00	-0.0155	5.7934	-0.31	115.87	78.55	78.09	78.07
3+100.00	-0.0310	5.5400	20.00	-0.0372	5.0586	-0.74	101.17	78.55	78.09	78.14
3+120.00	-0.0434	4.5772	20.00	-0.0237	7.0240	-0.47	140.48	78.54	78.08	78.13
3+140.00	-0.0040	9.4707	20.00	-0.0020	9.7841	-0.04	195.68	78.51	78.05	78.07
3+160.00		10.0974	20.00		10.5601		211.20	78.46	78.00	77.93
3+180.00		11.0228	20.00	-0.0002	11.0130	0.00	220.26	78.39	77.93	77.90
3+200.00	-0.0003	11.0032	20.00	-0.0002	10.1236	0.00	202.47	78.31	77.85	77.85
3+220.00		9.2440	20.00		10.3261		206.52	78.22	77.76	77.64
3+240.00		11.4081	20.00		11.0513		221.03	78.15	77.69	77.43
3+260.00		10.6945	20.00		11.4511		229.02	78.10	77.64	77.37
3+280.00		12.2077	20.00		12.1987		243.97	78.07	77.61	77.32
3+300.00		12.1896	20.00		12.7923		255.85	78.06	77.60	77.22
3+320.00		13.3949	20.00		13.3597		267.19	78.06	77.60	77.20
3+340.00		13.3245	20.00		13.6014		272.03	78.06	77.60	77.21
3+360.00		13.8782	20.00		14.1278		282.56	78.06	77.56	77.16
3+380.00		14.3773	20.00		13.2466		264.93	78.06	77.54	77.14
3+400.00		12.1158	20.00		12.3606		247.21	78.06	77.56	77.16
3+420.00		12.6053	20.00		12.9082		258.16	78.06	77.49	77.09
3+440.00		13.2111	20.00		13.1673		263.35	78.06	77.47	77.07
3+460.00		13.1234	20.00		13.0649		261.30	78.06	77.46	77.06
3+480.00		13.0063	20.00		12.9058		258.12	78.05	77.39	76.99
3+500.00		12.8052	20.00		13.0410		260.82	78.05	77.45	77.05
3+520.00		13.2768	20.00		14.1912		283.82	78.05	77.40	77.00
3+540.00		15.1056	20.00		14.5603		291.21	78.05	77.37	76.97
3+560.00		14.0149	20.00		13.7951		275.90	78.05	77.43	77.03
3+580.00		13.5753	20.00		13.7297		274.59	78.05	77.48	77.08
3+600.00		13.8840	20.00		14.3627		287.25	78.05	77.49	77.09
3+620.00		14.8414	20.00		14.9260		298.52	78.05	77.43	77.03
3+640.00		15.0105	20.00		16.2083		324.17	78.05	77.40	77.00
3+660.00		17.4061	20.00		18.2968		365.94	78.05	77.39	76.99
3+680.00		19.1874	20.00		20.8805		417.61	78.05	77.26	76.86
3+700.00		22.5735	20.00		22.6101		452.20	78.05	77.10	76.70
3+720.00		22.6467	20.00		23.2447		464.89	78.05	77.00	76.60
3+740.00		23.8426	20.00		24.0543		481.09	78.05	76.89	76.49
3+760.00		24.2659	20.00		23.8379		476.76	78.05	76.97	76.57
3+780.00		23.4098	20.00		23.0043		460.09	78.05	77.05	76.55
3+800.00		22.5988	20.00		22.6019		452.04	78.05	76.98	76.58
3+820.00		22.6049	20.00		22.4257		448.51	78.05	76.96	76.56
3+840.00		22.2464	20.00		19.9551		399.10	78.05	77.01	76.61
3+860.00		17.6638	20.00		19.3811		387.62	78.05	77.18	76.78
3+880.00		21.0983	20.00		21.9911		439.82	78.04	77.07	76.67
3+900.00		22.8839	20.00		23.2519		465.04	78.04	76.94	76.54
3+920.00		23.6198	20.00		23.0791		461.58	78.04	76.94	76.54

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
3+940.00		22.5384	20.00		23.6002		472.00	78.04	76.91	76.51
3+960.00		24.6620	20.00		24.3778		487.56	78.04	76.85	76.45
3+980.00		24.0936	20.00		26.4411		528.82	78.04	76.85	76.45
4+000.00		28.7886	20.00		29.2676		585.35	78.04	76.94	76.34
4+020.00		29.7466	20.00		29.7309		594.62	78.04	76.87	76.27
4+040.00		29.7152	20.00		29.0859		581.72	78.04	76.95	76.35
4+060.00		28.4566	20.00		28.7605		575.21	78.04	76.98	76.38
4+080.00		29.0643	20.00		29.1092		582.18	78.04	77.00	76.40
4+100.00		29.1540	20.00		29.2715		585.43	78.04	76.94	76.34
4+120.00		29.3889	20.00		29.5088		590.18	78.04	76.80	76.20
4+140.00		29.6286	20.00		29.5991		591.98	78.04	76.78	76.18
4+160.00		29.5696	20.00		29.4638		589.28	78.04	76.77	76.17
4+180.00		29.3580	20.00		28.5932		571.86	78.04	76.69	76.09
4+200.00		27.8283	20.00		27.5494		550.99	78.04	76.73	76.13
4+220.00		27.2705	20.00		26.8868		537.74	78.04	76.78	76.18
4+240.00		26.5031	20.00		27.0527		541.05	78.04	76.76	76.16
4+260.00		27.6023	20.00		27.1975		543.95	78.03	76.71	76.11
4+280.00		26.7927	20.00		26.8151		536.30	78.03	76.75	76.15
4+300.00		26.8374	20.00		26.6045		532.09	78.03	76.76	76.16
4+320.00		26.3716	20.00		26.5180		530.36	78.03	76.79	76.19
4+340.00		26.6644	20.00		26.7899		535.80	78.03	76.78	76.12
4+360.00		26.9153	20.00		27.2903		545.81	78.03	76.72	76.15
4+380.00		27.6652	20.00		27.0250		540.50	78.03	76.66	76.07
4+400.00		26.3848	20.00		27.5483		550.97	78.03	76.66	75.99
4+420.00		28.7118	20.00		26.1751		523.50	78.03	76.81	76.21
4+440.00		23.6384	20.00		26.0820		521.64	78.03	77.57	76.62
4+460.00		28.5256	20.00		28.6286		572.57	78.03	76.89	76.26
4+480.00		28.7316	20.00		28.1147		562.29	78.03	76.87	76.24
4+500.00		27.4978	20.00		27.8021		556.04	78.03	76.99	76.27
4+520.00		28.1064	20.00		27.6548		553.10	78.03	77.04	76.27
4+540.00		27.2032	20.00		27.4124		548.25	78.03	77.06	76.22
4+560.00		27.6215	20.00		27.7701		555.40	78.03	77.04	76.15
4+580.00		27.9186	20.00		28.7530		575.06	78.03	76.98	76.11
4+600.00		29.5873	20.00		28.2524		565.05	78.03	76.92	76.08
4+620.00		26.9175	20.00		27.3715		547.43	78.03	76.92	76.10
4+640.00		27.8254	20.00		27.8536		557.07	78.03	76.98	76.12
4+660.00		27.8817	20.00		28.1283		562.57	78.02	77.00	76.12
4+680.00		28.3749	20.00		28.5792		571.58	78.02	77.02	76.17
4+700.00		28.7835	20.00		28.3149		566.30	78.02	76.97	76.17
4+720.00		27.8463	20.00		28.2600		565.20	78.02	76.93	76.09
4+740.00		28.6736	20.00		28.4943		569.89	78.02	76.88	76.11
4+760.00		28.3150	20.00		28.5690		571.38	78.02	76.91	76.13
4+780.00		28.8229	20.00		29.3063		586.13	78.02	76.90	76.15
4+800.00		29.7896	20.00		28.9205		578.41	78.02	76.88	76.18
4+820.00		28.0513	20.00		28.1391		562.78	78.02	76.92	76.12
4+840.00		28.2268	20.00		29.3146		586.29	78.02	76.95	76.12
4+860.00		30.4024	20.00		31.0589		621.18	78.02	76.97	76.08
4+880.00		31.7153	20.00		31.2386		624.77	78.02	76.93	76.09
4+900.00		30.7619	20.00		29.5381		590.76	78.02	76.89	76.15
4+920.00		28.3142	20.00		30.0061		600.12	78.02	76.89	76.13
4+940.00		31.6979	20.00		31.4160		628.32	78.02	77.37	76.05
4+960.00		31.1341	20.00		31.3937		627.87	78.02	77.10	76.04
4+980.00		31.6532	20.00		30.3267		606.53	78.02	77.09	76.02
5+000.00		29.0001	20.00		29.6096		592.19	78.02	77.10	76.00
5+020.00		30.2191	20.00		29.5408		590.82	78.02	77.20	76.11
5+040.00		28.8624	20.00		28.9037		578.07	78.01	77.20	76.16
5+060.00		28.9449	20.00		29.1530		583.06	78.01	77.20	76.25
5+080.00		29.3611	20.00		30.2065		604.13	78.01	77.21	76.23
5+100.00		31.0519	20.00		30.9785		619.57	78.01	77.21	76.22
5+120.00		30.9051	20.00		31.8854		637.71	78.01	77.20	76.24
5+140.00		32.8656	20.00		33.2027		664.05	78.01	77.13	76.25
5+160.00		33.5397	20.00		33.0805		661.61	78.01	77.07	76.18
5+180.00		32.6213	20.00		33.2445		664.89	78.01	77.01	76.17
5+200.00		33.8677	20.00		33.2822		665.64	78.01	76.98	76.10

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
5+220.00		32.6967	20.00		31.4825		629.65	78.01	76.97	76.12
5+240.00		30.2683	20.00		32.8448		656.90	78.01	77.10	76.35
5+260.00		35.4213	20.00		33.8115		676.23	78.01	76.85	76.03
5+280.00		32.2016	20.00		33.8817		677.63	78.01	76.98	75.93
5+300.00		35.5617	20.00		35.3818		707.64	78.01	77.02	76.05
5+320.00		35.2019	20.00		35.2467		704.93	78.01	77.03	76.07
5+340.00		35.2915	20.00		35.4995		709.99	78.01	77.03	76.13
5+360.00		35.7074	20.00		35.4905		709.81	78.01	77.03	76.18
5+380.00		35.2735	20.00		35.0403		700.81	78.01	76.92	76.10
5+400.00		34.8070	20.00		35.9758		719.52	78.01	76.78	76.17
5+420.00		37.1445	20.00		35.9317		718.63	78.01	77.10	76.50
5+440.00		34.7189	20.00		35.8356		716.71	78.00	76.78	76.15
5+460.00		36.9522	20.00		35.9631		719.26	78.00	76.84	76.26
5+480.00		34.9740	20.00		34.8899		697.80	78.00	76.90	76.37
5+500.00		34.8057	20.00		35.1324		702.65	78.00	76.84	76.13
5+520.00		35.4590	20.00		33.5358		670.72	78.00	76.81	76.09
5+540.00		31.6125	20.00		34.2828		685.66	78.00	76.74	75.94
5+560.00		36.9531	20.00	-2.5624	88.3870	-51.25	1,767.74	78.00	76.70	76.03
5+580.00	-5.1247	139.8208		-5.1247	139.8208			78.00	76.95	-0.15
5+580.00	-5.1247	139.8208	20.00	-2.5624	88.4466	-51.25	1,768.93	78.00	76.95	76.35
5+600.00		37.0724	20.00		36.4103		728.21	78.00	76.83	76.23
5+620.00		35.7482	20.00		37.4613		749.23	78.00	76.84	76.24
5+640.00		39.1743	20.00		38.7446		774.89	78.00	76.80	76.20
5+660.00		38.3148	20.00		35.5554		711.11	78.00	76.79	76.19
5+680.00		32.7959	20.00		34.5110		690.22	78.00	76.84	76.24
5+700.00		36.2260	20.00		37.0442		740.88	78.00	76.85	76.50
5+720.00		37.8624	20.00		37.1185		742.37	78.00	76.85	76.25
5+740.00		36.3746	20.00		33.2836		665.67	78.00	76.85	76.25
5+760.00		30.1925	20.00		31.1525		623.05	78.00	76.91	76.31
5+780.00		32.1124	20.00		31.6074		632.15	78.00	76.85	76.25
5+800.00		31.1023	20.00		31.7684		635.37	78.00	76.87	76.27
5+820.00		32.4344	20.00		32.5036		650.07	78.00	76.78	76.18
5+840.00		32.5728	20.00		32.7701		655.40	77.99	76.72	76.12
5+860.00		32.9674	20.00		32.4814		649.63	77.99	76.67	76.07
5+880.00		31.9953	20.00		32.7184		654.37	77.99	76.66	76.06
5+900.00		33.4414	20.00		33.0106		660.21	77.99	76.72	76.12
5+920.00		32.5798	20.00		33.5882		671.76	77.99	76.76	76.16
5+940.00		34.5965	20.00		32.2431		644.86	77.99	76.80	76.20
5+960.00		29.8896	20.00		29.5485		590.97	77.99	76.84	76.24
5+980.00		29.2074	20.00		28.8761		577.52	77.99	76.88	76.28
6+000.00		28.5447	20.00		28.7522		575.04	77.99	76.92	76.32
6+020.00		28.9597	20.00		28.5696		571.39	77.99	76.90	76.30
6+040.00		28.1795	20.00		28.1699		563.40	77.99	76.88	76.28
6+060.00		28.1603	20.00		27.5737		551.47	77.99	76.80	76.20
6+080.00		26.9871	20.00		26.4253		528.51	77.99	76.73	76.13
6+100.00		25.8634	20.00		23.9771		479.54	77.99	76.78	76.18
6+120.00		22.0907	20.00		23.5676		471.35	77.99	76.98	76.38
6+140.00		25.0445	20.00		25.6359		512.72	77.99	76.93	76.33
6+160.00		26.2272	20.00		26.4200		528.40	77.99	76.88	76.28
6+180.00		26.6128	20.00		25.8425		516.85	77.99	76.89	76.29
6+200.00		25.0722	20.00		24.7460		494.92	77.99	76.87	76.27
6+220.00		24.4197	20.00		24.5723		491.45	77.99	76.92	76.32
6+240.00		24.7248	20.00		24.9129		498.26	77.98	76.94	76.34
6+260.00		25.1009	20.00		25.2839		505.68	77.98	76.97	76.37
6+280.00		25.4668	20.00		25.8524		517.05	77.98	76.96	76.36
6+300.00		26.2380	20.00		26.7028		534.06	77.98	76.98	76.38
6+320.00		27.1675	20.00		26.5057		530.11	77.98	76.96	76.36
6+340.00		25.8439	20.00		26.3508		527.02	77.98	76.46	75.86
6+360.00		26.8577	20.00		24.2894		485.79	77.98	76.97	76.37
6+380.00		21.7210	20.00		23.9893		479.79	77.98	77.39	76.79
6+400.00		26.2575	20.00		27.3261		546.52	77.98	77.01	76.41
6+420.00		28.3947	20.00		28.2447		564.89	77.98	76.87	76.27
6+440.00		28.0946	20.00		28.6226		572.45	77.98	76.85	76.25
6+460.00		29.1506	20.00		26.8812		537.62	77.98	76.85	76.25

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
6+480.00		24.6118	20.00		25.6994		513.99	77.98	77.32	76.72
6+500.00		26.7870	20.00		27.2577		545.15	77.98	76.85	76.25
6+520.00		27.7284	20.00		27.7256		554.51	77.98	76.87	76.27
6+540.00		27.7227	20.00		27.4047		548.09	77.98	76.88	76.28
6+560.00		27.0866	20.00		28.4663		569.33	77.98	76.93	76.33
6+580.00		29.8459	20.00		29.5616		591.23	77.98	76.90	76.30
6+600.00		29.2772	20.00		29.2195		584.39	77.98	76.88	76.28
6+620.00		29.1618	20.00		29.3617		587.23	77.98	76.92	76.32
6+640.00		29.5615	20.00		29.5581		591.16	77.97	76.86	76.26
6+660.00		29.5547	20.00		29.7167		594.33	77.97	76.94	76.34
6+680.00		29.8786	20.00		27.5046		550.09	77.97	76.94	76.34
6+700.00		25.1306	20.00		25.0518		501.04	77.97	76.97	76.37
6+720.00		24.9730	20.00		24.7538		495.08	77.97	77.01	76.41
6+740.00		24.5345	20.00		25.7410		514.82	77.97	77.00	76.40
6+760.00		26.9475	20.00		27.1043		542.09	77.97	76.99	76.39
6+780.00		27.2611	20.00		27.4920		549.84	77.97	77.02	76.42
6+800.00		27.7228	20.00		28.9426		578.85	77.97	76.93	76.33
6+820.00		30.1624	20.00		30.5643		611.29	77.97	76.78	76.13
6+840.00		30.9662	20.00		29.9161		598.32	77.97	76.80	76.03
6+860.00		28.8660	20.00		29.7433		594.87	77.97	76.77	75.76
6+880.00		30.6205	20.00		29.3322		586.64	77.97	76.75	75.75
6+900.00		28.0438	20.00		28.4199		568.40	77.97	76.63	75.64
6+920.00		28.7960	20.00		28.4195		568.39	77.97	76.66	75.52
6+940.00		28.0430	20.00		26.7310		534.62	77.97	76.73	75.69
6+960.00		25.4190	20.00		26.3663		527.33	77.97	76.78	75.86
6+980.00		27.3135	20.00		27.0561		541.12	77.97	76.74	76.04
7+000.00		26.7986	20.00		25.9778		519.56	77.97	76.84	76.24
7+020.00		25.1570	20.00		25.8591		517.18	77.97	77.20	76.80
7+040.00		26.5611	20.00		27.5213		550.43	77.97	76.84	76.44
7+060.00		28.4815	20.00		28.0329		560.66	77.97	76.67	76.27
7+080.00		27.5843	20.00		27.3270		546.54	77.97	76.69	76.29
7+100.00		27.0697	20.00		25.4258		508.52	77.98	76.66	76.26
7+120.00		23.7818	20.00		23.1857		463.71	77.98	76.71	76.31
7+140.00		22.5895	20.00		22.4585		449.17	77.98	76.76	76.36
7+160.00		22.3275	20.00		23.5353		470.71	77.98	76.79	76.39
7+180.00		24.7430						77.98	76.74	76.34
7+200.00		23.7639	20.00		22.3648		447.30	77.98	76.41	76.41
7+220.00		20.9656	20.00		18.7268		374.54	77.98	76.60	76.60
7+240.00		16.4879	20.00		15.6148		312.30	77.98	76.68	76.68
7+260.00		14.7417	20.00		14.1486		282.97	77.98	76.72	76.72
7+280.00		13.5555	20.00		12.7863		255.73	77.98	76.78	76.78
7+300.00		12.0171	20.00		11.9425		238.85	77.98	76.85	76.85
7+320.00		11.8679	20.00		11.4110		228.22	77.98	76.93	76.93
7+340.00		10.9541	20.00		10.4575		209.15	77.98	77.07	77.07
7+360.00		9.9609	20.00		10.1030		202.06	77.98	77.09	77.09
7+380.00		10.2450	20.00		10.4106		208.21	77.98	77.02	77.02
7+400.00		10.5761	20.00		10.2062		204.12	77.98	77.07	77.07
7+420.00		9.8363	20.00		9.2598		185.20	77.98	77.07	77.07
7+440.00		8.6832	20.00		9.4165		188.33	77.98	77.09	77.09
7+460.00		10.1498	20.00		10.1636		203.27	78.05	77.13	77.13
7+480.00		10.1773	20.00		8.7900		175.80	78.12	77.11	77.11
7+500.00		7.4027	20.00		8.6682		173.36	78.18	77.21	77.21
7+520.00		9.9336	20.00		9.7622		195.24	78.25	77.24	77.24
7+540.00		9.5908	20.00		10.2586		205.17	78.32	77.36	77.36
7+560.00		10.9264	20.00		11.2967		225.93	78.39	77.31	77.31
7+580.00		11.6670	20.00		12.4029		248.06	78.45	77.34	77.34
7+600.00		13.1388	20.00		14.2755		285.51	78.52	77.31	77.31
7+620.00		15.4121	20.00		13.8017		276.03	78.59	77.29	77.29
7+640.00		12.1913	20.00		14.3174		286.35	78.59	77.96	77.96
7+660.00		16.4434	20.00		17.6462		352.92	78.59	77.40	77.40
7+680.00		18.8490	20.00		19.3463		386.93	78.59	77.19	77.19
7+700.00		19.8435	20.00		20.2244		404.49	78.59	77.14	77.14
7+720.00		20.6053	20.00		19.8086		396.17	78.59	77.10	77.10
7+740.00		19.0118	20.00		20.3926		407.85	78.59	77.19	77.19

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
7+760.00		21.7734	20.00		23.0157		460.31	78.59	77.28	77.28
7+780.00		24.2580	20.00		23.6991		473.98	78.59	76.97	76.97
7+800.00		23.1402	20.00		22.1233		442.47	78.59	77.01	77.01
7+820.00		21.1063	20.00		20.6150		412.30	78.59	77.04	77.04
7+840.00		20.1237	20.00		19.1850		383.70	78.59	77.11	77.11
7+860.00		18.2463	20.00		17.8068		356.14	78.59	77.14	77.14
7+880.00		17.3673	20.00		16.6883		333.77	78.52	77.15	77.15
7+900.00		16.0092	20.00		15.2865		305.73	78.45	77.11	77.11
7+920.00		14.5638	20.00		13.7230		274.46	78.38	77.14	77.14
7+940.00		12.8821	20.00		12.6282		252.56	78.31	77.18	77.18
7+960.00		12.3743	20.00		13.5341		270.68	78.25	77.14	77.14
7+980.00		14.6939	20.00		12.4926		249.85	78.18	77.21	77.21
8+000.00		10.2913	20.00		9.8185		196.37	78.11	77.20	77.20
8+020.00		9.3457	20.00		8.9513		179.03	78.04	77.14	77.14
8+040.00		8.5568	20.00		8.8640		177.28	77.97	77.09	77.09
8+060.00		9.1712	20.00		9.7597		195.19	77.97	76.97	76.97
8+080.00		10.3482	20.00		10.2980		205.96	77.97	77.00	77.00
8+100.00		10.2478	20.00		10.1825		203.65	77.97	77.03	77.03
8+120.00		10.1171	20.00		10.6296		212.59	77.97	77.02	77.02
8+140.00		11.1420	20.00		11.2776		225.55	77.98	76.96	76.96
8+160.00		11.4131	20.00		11.5117		230.23	77.98	76.99	76.99
8+180.00		11.6102	20.00		11.6800		233.60	77.98	76.96	76.96
8+200.00		11.7498	20.00		11.6424		232.85	77.98	76.93	76.93
8+220.00		11.5350	20.00		12.5241		250.48	77.98	76.89	76.89
8+240.00		13.5131	20.00		14.0652		281.30	77.98	76.83	76.83
8+260.00		14.6172	20.00		14.7761		295.52	77.98	76.85	76.85
8+280.00		14.9350	20.00		15.4759		309.52	78.02	76.87	76.87
8+300.00		16.0168	20.00		16.4090		328.18	78.06	76.85	76.85
8+320.00		16.8011	20.00		17.0003		340.01	78.10	76.85	76.85
8+340.00		17.1994	20.00		18.5459		370.92	78.14	76.81	76.81
8+360.00		19.8924	20.00		20.4911		409.82	78.18	76.76	76.76
8+380.00		21.0897	20.00		20.8989		417.98	78.22	76.78	76.78
8+400.00		20.7080	20.00		18.5576		371.15	78.22	76.59	76.59
8+420.00		16.4071	20.00		16.9127		338.25	78.22	76.96	76.96
8+440.00		17.4182	20.00		19.0178		380.36	78.22	76.90	76.90
8+460.00		20.6173	20.00		20.1340		402.68	78.22	76.67	76.67
8+480.00		19.6507	20.00		20.1423		402.85	78.22	76.75	76.75
8+500.00		20.6338	20.00		20.0121		400.24	78.22	76.71	76.71
8+520.00		19.3904	20.00		19.4298		388.60	78.22	76.87	76.87
8+540.00		19.4692	20.00		18.9314		378.63	78.18	76.79	76.79
8+560.00		18.3936	20.00		17.9087		358.17	78.13	76.77	76.77
8+580.00		17.4238	20.00		17.1345		342.69	78.09	76.82	76.82
8+600.00		16.8452	20.00		16.2613		325.23	78.04	76.72	76.72
8+620.00		15.6773	20.00		15.3702		307.40	78.00	76.75	76.75
8+640.00		15.0631	20.00		14.4904		289.81	78.00	76.82	76.82
8+660.00		13.9177	20.00		14.1207		282.41	78.00	76.84	76.84
8+680.00		14.3237	20.00		14.7263		294.53	78.00	76.74	76.74
8+700.00		15.1289	20.00		13.9831		279.66	77.99	76.84	76.84
8+720.00		12.8372	20.00		12.7049		254.10	77.99	76.80	76.80
8+740.00		12.5726	20.00		12.7425		254.85	77.99	76.89	76.89
8+760.00		12.9124	20.00		12.2634		245.27	77.99	76.87	76.87
8+780.00		11.6144	20.00		11.3881		227.76	77.99	76.89	76.89
8+800.00		11.1617	20.00		12.2060		244.12	77.99	76.89	76.89
8+820.00		13.2503	20.00		13.9124		278.25	77.99	76.74	76.74
8+840.00		14.5744	20.00		15.4212		308.42	77.98	76.79	76.79
8+860.00		16.2680	20.00		15.6286		312.57	77.98	76.71	76.71
8+880.00		14.9892	20.00		15.4326		308.65	77.98	76.65	76.65
8+900.00		15.8759	20.00		12.0671		241.34	77.98	76.61	76.61
8+920.00		8.2583	20.00		12.0683		241.37	77.98	77.32	77.32
8+940.00		15.8783	20.00		16.2040		324.08	77.98	76.73	76.73
8+960.00		16.5297	20.00		16.6199		332.40	77.97	76.71	76.71
8+980.00		16.7101	20.00		16.6585		333.17	77.97	76.82	76.82
9+000.00		16.6069	20.00		17.6532		353.06	77.97	76.76	76.76
9+020.00		18.6995	20.00		18.6021		372.04	77.97	76.55	76.55

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
9+040.00		18.5047	20.00		18.9034		378.07	77.97	76.53	76.53
9+060.00		19.3020	20.00		19.2995		385.99	77.97	76.52	76.52
9+080.00		19.2969	20.00		18.8690		377.38	77.96	76.46	76.46
9+100.00		18.4411	20.00		18.0928		361.86	77.96	76.59	76.59
9+120.00		17.7444	20.00		17.2052		344.10	77.96	76.50	76.50
9+140.00		16.6660	20.00		15.9997		319.99	77.96	76.60	76.60
9+160.00		15.3333	20.00		15.0468		300.94	77.96	76.67	76.67
9+180.00		14.7603	20.00		14.8009		296.02	77.96	76.72	76.72
9+200.00		14.8415	20.00		14.0694		281.39	77.96	76.76	76.76
9+220.00		13.2973	20.00		12.9359		258.72	77.95	76.82	76.82
9+240.00		12.5745	20.00		12.3887		247.77	77.95	76.78	76.78
9+260.00		12.2029	20.00		12.0828		241.66	77.95	76.82	76.82
9+280.00		11.9627	20.00		11.6630		233.26	77.95	76.85	76.85
9+300.00		11.3633	20.00		12.4602		249.20	77.95	76.83	76.83
9+320.00		13.5571	20.00		14.1302		282.60	77.95	76.76	76.76
9+340.00		14.7032	20.00		15.7509		315.02	77.94	76.61	76.61
9+360.00		16.7986	20.00		17.4502		349.00	77.94	76.49	76.49
9+380.00		18.1017	20.00		18.4555		369.11	77.94	76.53	76.53
9+400.00		18.8093	20.00		19.3512		387.02	77.94	76.48	76.48
9+420.00		19.8931	20.00		20.0696		401.39	77.94	76.40	76.40
9+440.00		20.2460	20.00		20.3797		407.59	77.94	76.27	76.27
9+460.00		20.5134	20.00		18.9331		378.66	77.94	76.32	76.32
9+480.00		17.3528	20.00		18.5436		370.87	77.93	76.54	76.54
9+500.00		19.7344	20.00		19.6843		393.69	77.93	76.69	76.69
9+520.00		19.6341	20.00		19.1555		383.11	77.93	76.72	76.72
9+540.00		18.6769	20.00		19.3936		387.87	77.93	76.77	76.77
9+560.00		20.1103	20.00		19.0076		380.15	77.93	76.78	76.78
9+580.00		17.9049	20.00		18.7399		374.80	77.93	76.80	76.80
9+600.00		19.5748	20.00		19.1474		382.95	77.92	76.82	76.82
9+620.00		18.7200	20.00		20.1060		402.12	77.92	76.80	76.80
9+640.00		21.4920	20.00		20.6395		412.79	77.92	76.80	76.80
9+660.00		19.7870	20.00		20.7488		414.98	77.92	76.77	76.77
9+680.00		21.7105	20.00		21.8322		436.64	77.92	76.75	76.75
9+700.00		21.9539	20.00		22.1548		443.10	77.92	76.78	76.78
9+720.00		22.3556	20.00		22.5576		451.15	77.92	76.77	76.77
9+740.00		22.7595	20.00		22.4414		448.83	77.91	76.74	76.74
9+760.00		22.1232	20.00		21.5392		430.78	77.91	76.81	76.81
9+780.00		20.9552	20.00		21.1954		423.91	77.91	76.74	76.74
9+800.00		21.4355	20.00		21.1726		423.45	77.91	76.81	76.81
9+820.00		20.9096	20.00		21.7467		434.93	77.91	76.77	76.77
9+840.00		22.5837	20.00		22.6452		452.90	77.91	76.79	76.79
9+860.00		22.7067	20.00		21.4706		429.41	77.90	76.81	76.81
9+880.00		20.2345	20.00		20.7472		414.94	77.90	76.81	76.81
9+900.00		21.2598	20.00		20.6195		412.39	77.90	76.78	76.78
9+920.00		19.9792	20.00		19.3607		387.21	77.90	76.79	76.79
9+940.00		18.7422	20.00		19.0103		380.21	77.90	76.77	76.77
9+960.00		19.2783	20.00		19.1511		383.02	77.90	76.72	76.72
9+980.00		19.0238	20.00		20.0792		401.58	77.90	76.74	76.74
10+000.00		21.1346	20.00		20.5861		411.72	77.89	76.68	76.68
10+020.00		20.0376	20.00		19.6091		392.18	77.89	76.75	76.75
10+040.00		19.1806	20.00		18.7165		374.33	77.89	76.73	76.73
10+060.00		18.2524	20.00		18.4369		368.74	77.89	76.78	76.78
10+080.00		18.6213	20.00		18.4041		368.08	77.89	76.79	76.79
10+100.00		18.1869	20.00		16.4648		329.30	77.89	76.85	76.85
10+120.00		14.7427	20.00		15.8950		317.90	77.89	76.87	76.87
10+140.00		17.0473	20.00		17.2276		344.55	77.89	76.79	76.79
10+160.00		17.4078	20.00		17.9606		359.21	77.89	76.74	76.74
10+180.00		18.5133	20.00		18.1365		362.73	77.89	76.65	76.65
10+200.00		17.7596	20.00		18.4576		369.15	77.89	76.71	76.71
10+220.00		19.1555	20.00		18.3585		367.17	77.89	76.73	76.73
10+240.00		17.5615	20.00		17.9267		358.53	77.89	76.75	76.75
10+260.00		18.2918	20.00		17.7283		354.57	77.89	76.69	76.69
10+280.00		17.1648	20.00		17.0362		340.72	77.88	76.72	76.72
10+300.00		16.9075	20.00		16.7409		334.82	77.88	76.75	76.75

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
10+320.00		16.5742	20.00		17.2884		345.77	77.88	76.76	76.76
10+340.00		18.0025	20.00		17.8869		357.74	77.88	76.73	76.73
10+360.00		17.7712	20.00		17.8355		356.71	77.88	76.71	76.71
10+380.00		17.8998	20.00		17.1467		342.93	77.88	76.73	76.73
10+400.00		16.3936	20.00		16.8924		337.85	77.88	76.79	76.79
10+420.00		17.3911	20.00		17.1366		342.73	77.88	76.78	76.78
10+440.00		16.8820	20.00		16.5944		331.89	77.88	76.84	76.84
10+460.00		16.3068	20.00		15.2737		305.47	77.88	76.79	76.79
10+480.00		14.2405	20.00		13.7157		274.31	77.88	76.78	76.78
10+500.00		13.1908	20.00		14.1494		282.99	77.88	76.74	76.74
10+520.00		15.1080	20.00		14.8804		297.61	77.88	76.80	76.80
10+540.00		14.6527	20.00		15.0793		301.59	77.88	76.81	76.81
10+560.00		15.5059	20.00		16.2055		324.11	77.88	76.82	76.82
10+580.00		16.9050	20.00		16.6633		333.27	77.88	76.78	76.78
10+600.00		16.4215	20.00		16.5151		330.30	77.88	76.79	76.79
10+620.00		16.6087	20.00		16.7602		335.20	77.88	76.78	76.78
10+640.00		16.9117	20.00		16.8394		336.79	77.88	76.78	76.78
10+660.00		16.7670	20.00		16.0324		320.65	77.88	76.75	76.75
10+680.00		15.2978	20.00		15.4052		308.10	77.87	76.78	76.78
10+700.00		15.5126	20.00		15.7564		315.13	77.87	76.80	76.80
10+720.00		16.0001	20.00		16.5258		330.52	77.87	76.81	76.81
10+740.00		17.0514	20.00		18.0992		361.98	77.87	76.79	76.79
10+760.00		19.1469	20.00		19.0662		381.32	77.87	76.68	76.68
10+780.00		18.9855	20.00		17.9233		358.47	77.87	76.70	76.70
10+800.00		16.8610	20.00		17.0518		341.04	77.87	76.70	76.70
10+820.00		17.2426	20.00		17.1465		342.93	77.87	76.76	76.76
10+840.00		17.0503	20.00		17.4122		348.24	77.87	76.77	76.77
10+860.00		17.7741	20.00		17.7144		354.29	77.87	76.81	76.81
10+880.00		17.6546	20.00		17.4411		348.82	77.87	76.77	76.77
10+900.00		17.2275	20.00		17.4781		349.56	77.87	76.71	76.71
10+920.00		17.7287	20.00		17.7008		354.02	77.87	76.74	76.74
10+940.00		17.6728	20.00		17.6379		352.76	77.87	76.77	76.77
10+960.00		17.6029	20.00		17.8297		356.59	77.87	76.72	76.72
10+980.00		18.0565	20.00		18.1511		363.02	77.87	76.68	76.68
11+000.00		18.2456	20.00		17.3086		346.17	77.87	76.70	76.70
11+020.00		16.3715	20.00		16.8050		336.10	77.87	76.80	76.80
11+040.00		17.2384	20.00		17.3203		346.41	77.87	76.75	76.75
11+060.00		17.4021	20.00		17.3269		346.54	77.87	76.77	76.77
11+080.00		17.2516	20.00		17.3155		346.31	77.86	76.78	76.78
11+100.00		17.3794	20.00		16.9926		339.85	77.86	76.73	76.73
11+120.00		16.6058	20.00		15.4052		308.10	77.86	76.75	76.75
11+140.00		14.2046	20.00		15.1723		303.45	77.86	76.86	76.86
11+160.00		16.1399	20.00		16.6069		332.14	77.86	76.82	76.82
11+180.00		17.0738	20.00		16.6917		333.83	77.86	76.76	76.76
11+200.00		16.3095	20.00		16.5628		331.26	77.86	76.77	76.77
11+220.00		16.8161	20.00		16.1177		322.35	77.86	76.74	76.74
11+240.00		15.4193	20.00		16.4147		328.29	77.86	76.81	76.81
11+260.00		17.4100	20.00		16.5842		331.68	77.86	76.74	76.74
11+280.00		15.7584	20.00		16.2645		325.29	77.86	76.74	76.74
11+300.00		16.7705	20.00		16.7629		335.26	77.86	76.75	76.75
11+320.00		16.7553	20.00		16.8104		336.21	77.86	76.73	76.73
11+340.00		16.8655	20.00		16.8661		337.32	77.86	76.75	76.75
11+360.00		16.8666	20.00		16.3826		327.65	77.86	76.76	76.76
11+380.00		15.8985	20.00		16.5939		331.88	77.86	76.73	76.73
11+400.00		17.2892	20.00		17.5784		351.57	77.86	76.79	76.79
11+420.00		17.8676	20.00		18.1024		362.05	77.86	76.72	76.72
11+440.00		18.3372	20.00		17.7218		354.44	77.86	76.74	76.74
11+460.00		17.1063	20.00		17.2067		344.13	77.86	76.69	76.69
11+480.00		17.3071	20.00		18.4767		369.53	77.85	76.70	76.70
11+500.00		19.6463	20.00		20.0666		401.33	77.85	76.59	76.59
11+520.00		20.4869	20.00		20.7748		415.50	77.85	76.58	76.58
11+540.00		21.0627	20.00		20.9003		418.01	77.85	76.56	76.56
11+560.00		20.7378	20.00		19.6797		393.59	77.85	76.56	76.56
11+580.00		18.6215	20.00		18.7795		375.59	77.85	76.69	76.69

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
11+600.00		18.9374	20.00		17.8757		357.51	77.85	76.65	76.65
11+620.00		16.8139	20.00		17.5913		351.83	77.85	76.76	76.76
11+640.00		18.3686	20.00		18.5300		370.60	77.85	76.75	76.75
11+660.00		18.6914	20.00		19.1240		382.48	77.85	76.68	76.68
11+680.00		19.5566	20.00		19.0988		381.98	77.85	76.58	76.58
11+700.00		18.6409	20.00		18.6307		372.61	77.85	76.64	76.64
11+720.00		18.6204	20.00		19.7410		394.82	77.85	76.64	76.64
11+740.00		20.8616	20.00		21.5052		430.10	77.85	76.52	76.52
11+760.00		22.1487	20.00		21.8203		436.41	77.85	76.34	76.34
11+780.00		21.4918	20.00		20.4687		409.37	77.85	76.49	76.49
11+800.00		19.4456	20.00		19.5643		391.29	77.85	76.54	76.54
11+820.00		19.6829	20.00		19.7419		394.84	77.85	76.55	76.55
11+840.00		19.8009	20.00		18.8036		376.07	77.85	76.54	76.54
11+860.00		17.8063	20.00		19.8500		397.00	77.85	76.59	76.59
11+880.00		21.8937	20.00		21.3137		426.27	77.85	76.44	76.44
11+900.00		20.7337	20.00		20.9854		419.71	77.85	76.47	76.47
11+920.00		21.2370	20.00		21.1484		422.97	77.85	76.56	76.56
11+940.00		21.0597	20.00		21.1136		422.27	77.84	76.54	76.54
11+960.00		21.1674	20.00		21.0029		420.06	77.84	76.56	76.56
11+980.00		20.8384	20.00		20.8896		417.79	77.84	76.51	76.51
12+000.00		20.9408	20.00		21.3952		427.90	77.84	76.55	76.55
12+020.00		21.8495	20.00		22.5188		450.38	77.84	76.52	76.52
12+040.00		23.1881	20.00		23.1776		463.55	77.84	76.46	76.46
12+060.00		23.1671	20.00		22.5545		451.09	77.84	76.50	76.50
12+080.00		21.9419	20.00		22.2663		445.33	77.84	76.51	76.51
12+100.00		22.5906	20.00		23.1015		462.03	77.84	76.42	76.42
12+120.00		23.6123	20.00		23.3523		467.05	77.84	76.37	76.37
12+140.00		23.0922	20.00		23.0211		460.42	77.84	76.47	76.47
12+160.00		22.9499	20.00		23.5819		471.64	77.84	76.48	76.48
12+180.00		24.2139	20.00		24.0215		480.43	77.84	76.40	76.40
12+200.00		23.8291	20.00		25.1957		503.91	77.84	76.40	76.40
12+220.00		26.5623	20.00		25.0956		501.91	77.84	76.44	76.44
12+240.00		23.6289	20.00		23.5088		470.18	77.84	76.47	76.47
12+260.00		23.3887	20.00		23.0561		461.12	77.84	76.51	76.51
12+280.00		22.7235	20.00		23.8246		476.49	77.84	76.37	76.37
12+300.00		24.9257	20.00		24.2581		485.16	77.84	76.38	76.38
12+320.00		23.5904	20.00		23.0096		460.19	77.84	76.44	76.44
12+340.00		22.4287	20.00		22.0979		441.96	77.84	76.48	76.48
12+360.00		21.7671	20.00		22.6656		453.31	77.84	76.48	76.48
12+380.00		23.5641	20.00		23.9185		478.37	77.84	76.50	76.50
12+400.00		24.2729	20.00		24.1588		483.18	77.84	76.45	76.45
12+420.00		24.0447	20.00		23.5759		471.52	77.84	76.45	76.45
12+440.00		23.1070	20.00		22.5269		450.54	77.84	76.51	76.51
12+460.00		21.9467	20.00		22.1268		442.54	77.83	76.51	76.51
12+480.00		22.3069	20.00		21.4225		428.45	77.83	76.51	76.51
12+500.00		20.5381	20.00		20.4551		409.10	77.83	76.59	76.59
12+520.00		20.3721	20.00		20.9470		418.94	77.83	76.59	76.59
12+540.00		21.5218	20.00		21.3239		426.48	77.83	76.58	76.58
12+560.00		21.1260	20.00		21.4138		428.28	77.83	76.48	76.48
12+580.00		21.7015	20.00		21.4917		429.83	77.83	76.48	76.48
12+600.00		21.2819	20.00		22.0501		441.00	77.83	76.52	76.52
12+620.00		22.8182	20.00		23.0525		461.05	77.83	76.42	76.42
12+640.00		23.2867	20.00		22.9438		458.88	77.83	76.39	76.39
12+660.00		22.6008	20.00		22.3932		447.86	77.83	76.50	76.50
12+680.00		22.1855	20.00		21.5036		430.07	77.83	76.56	76.56
12+700.00		20.8217	20.00		20.5371		410.74	77.83	76.59	76.59
12+720.00		20.2524	20.00		19.8869		397.74	77.83	76.57	76.57
12+740.00		19.5214	20.00		20.1183		402.37	77.83	76.60	76.60
12+760.00		20.7152	20.00		20.5289		410.58	77.83	76.60	76.60
12+780.00		20.3425	20.00		20.7934		415.87	77.83	76.57	76.57
12+800.00		21.2442	20.00		21.0108		420.22	77.83	76.58	76.58
12+820.00		20.7773	20.00		21.8642		437.28	77.83	76.56	76.56
12+840.00		22.9510	20.00		21.9736		439.47	77.83	76.50	76.50
12+860.00		20.9961	20.00		22.4977		449.95	77.83	76.54	76.54

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
12+880.00		23.9992	20.00		23.7580		475.16	77.83	76.48	76.48
12+900.00		23.5168	20.00		23.0218		460.44	77.83	76.45	76.45
12+920.00		22.5267	20.00		22.5361		450.72	77.83	76.52	76.52
12+940.00		22.5455	20.00		21.9329		438.66	77.83	76.55	76.55
12+960.00		21.3202	20.00		21.3816		427.63	77.83	76.60	76.60
12+980.00		21.4429	20.00		22.1898		443.80	77.82	76.63	76.63
13+000.00		22.9367	20.00		23.0763		461.53	77.82	76.58	76.58
13+020.00		23.2158	20.00		23.6884		473.77	77.82	76.53	76.53
13+040.00		24.1610	20.00		24.1379		482.76	77.82	76.47	76.47
13+060.00		24.1147	20.00		23.0762		461.52	77.82	76.49	76.49
13+080.00		22.0377	20.00		22.3274		446.55	77.82	76.50	76.50
13+100.00		22.6171	20.00		22.7344		454.69	77.82	76.47	76.47
13+120.00		22.8516	20.00		22.4781		449.56	77.82	76.54	76.54
13+140.00		22.1045	20.00		22.7664		455.33	77.82	76.54	76.54
13+160.00		23.4282	20.00		23.6923		473.85	77.82	76.45	76.45
13+180.00		23.9564	20.00		26.0295		520.59	77.85	76.52	76.52
13+200.00		28.1026	20.00		28.2108		564.22	77.94	76.40	76.40
13+220.00		28.3189	20.00		29.4544		589.09	78.10	76.66	76.66
13+240.00		30.5898	20.00		33.8248		676.50	78.31	76.67	76.67
13+260.00		37.0598	20.00		40.4966		809.93	78.56	76.83	76.83
13+280.00		43.9334	20.00		45.2046		904.09	78.80	77.07	77.07
13+300.00		46.4758	20.00		47.9668		959.34	79.01	77.26	77.26
13+320.00		49.4577	20.00		50.8427		1,016.85	79.17	77.46	77.46
13+340.00		52.2276	20.00		48.8828		977.66	79.26	77.66	77.66
13+360.00		45.5379	20.00		47.3361		946.72	79.29	77.91	77.91
13+380.00		49.1343	20.00		51.8483		1,036.97	79.29	78.05	78.05
13+400.00		54.5622	20.00		49.1628		983.26	79.29	78.19	78.19
13+420.00		43.7633	20.00		23.5761		471.52	79.29	78.55	78.55
13+440.00		3.3889	20.00		3.0889		61.78	79.29	78.67	78.52
13+460.00		2.7889						79.29	78.67	78.67
13+480.00		34.8337	20.00		37.3943		747.89	79.29	78.83	78.39
13+500.00		39.9548	20.00		40.3713		807.43	79.29	78.83	78.21
13+520.00		40.7877	20.00		42.9703		859.41	79.29	78.83	78.11
13+540.00		45.1529	20.00		44.8518		897.04	79.26	78.80	77.87
13+560.00		44.5506	20.00		45.1959		903.92	79.17	78.71	77.62
13+580.00		45.8412	20.00		44.4309		888.62	79.01	78.55	77.46
13+600.00		43.0205	20.00		39.3317		786.63	78.80	78.34	77.24
13+620.00		35.6428	20.00		33.9623		679.25	78.56	78.10	77.00
13+640.00		32.2817	20.00		29.5246		590.49	78.31	77.85	76.82
13+660.00		26.7675	20.00		26.1102		522.20	78.10	77.64	76.71
13+680.00		25.4529	20.00		23.2129		464.26	77.94	77.48	76.70
13+700.00		20.9729	20.00		21.3534		427.07	77.85	77.39	76.64
13+720.00		21.7339	20.00		21.9556		439.11	77.82	77.36	76.71
13+740.00		22.1773	20.00		22.5002		450.00	77.82	77.36	76.60
13+760.00		22.8231	20.00		23.0861		461.72	77.82	77.36	76.42
13+780.00		23.3491	20.00		22.8108		456.22	77.82	77.36	76.35
13+800.00		22.2724	20.00		20.0021		400.04	77.82	77.36	76.35
13+820.00		17.7318	20.00		17.8976		357.95	77.82	77.36	76.42
13+840.00		18.0633	20.00		17.4572		349.14	77.82	77.36	76.46
13+860.00		16.8511	20.00		17.1491		342.98	77.81	77.35	76.51
13+880.00		17.4470	20.00		17.2383		344.77	77.81	77.35	76.43
13+900.00		17.0295	20.00		17.6934		353.87	77.81	77.35	76.37
13+920.00		18.3572	20.00		17.7069		354.14	77.81	77.35	76.41
13+940.00		17.0565	20.00		16.4936		329.87	77.81	77.35	76.46
13+960.00		15.9307	20.00		15.7005		314.01	77.81	77.35	76.49
13+980.00		15.4703	20.00		14.8849		297.70	77.81	77.35	76.54
14+000.00		14.2995	20.00		14.1874		283.75	77.81	77.35	76.57
14+020.00		14.0753	20.00		13.7110		274.22	77.81	77.35	76.58
14+040.00		13.3467	20.00		14.6396		292.79	77.81	77.35	76.63
14+060.00		15.9324	20.00		17.1853		343.71	77.81	77.35	76.60
14+080.00		18.4381	20.00		19.0945		381.89	77.81	77.35	76.50
14+100.00		19.7509	20.00		20.2442		404.88	77.81	77.35	76.41
14+120.00		20.7375	20.00		21.0712		421.42	77.81	77.35	76.31
14+140.00		21.4049	20.00		21.8484		436.97	77.81	77.35	76.24

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
14+160.00		22.2918	20.00		23.4210		468.42	77.80	77.34	76.15
14+180.00		24.5502	20.00		25.1805		503.61	77.80	77.34	76.14
14+200.00		25.8108	20.00		25.8468		516.94	77.80	77.34	75.99
14+220.00		25.8828	20.00		28.1196		562.39	77.80	77.34	75.96
14+240.00		30.3564	20.00		30.3167		606.33	77.80	77.34	75.84
14+260.00		30.2770	20.00		29.5915		591.83	77.80	77.34	75.89
14+280.00		28.9060	20.00		29.3133		586.27	77.80	77.34	75.79
14+300.00		29.7205	20.00		29.6351		592.70	77.80	77.34	75.96
14+320.00		29.5496	20.00		29.0247		580.49	77.80	77.34	75.95
14+340.00		28.4997	20.00		27.7270		554.54	77.80	77.34	76.01
14+360.00		26.9542	20.00		27.5525		551.05	77.80	77.34	76.02
14+380.00		28.1507	20.00		28.9803		579.61	77.80	77.34	75.95
14+400.00		29.8099	20.00		29.2219		584.44	77.80	77.34	75.85
14+420.00		28.6339	20.00		28.9111		578.22	77.80	77.34	75.69
14+440.00		29.1883	20.00		28.9508		579.02	77.79	77.33	75.57
14+460.00		28.7133	20.00		29.8009		596.02	77.79	77.33	75.57
14+480.00		30.8884	20.00		30.8381		616.76	77.79	77.33	75.56
14+500.00		30.7877	20.00		31.8417		636.83	77.79	77.33	75.62
14+520.00		32.8956	20.00		31.6172		632.34	77.79	77.33	75.69
14+540.00		30.3388	20.00		29.6350		592.70	77.79	77.33	75.72
14+560.00		28.9312	20.00		28.8481		576.96	77.79	77.33	75.65
14+580.00		28.7649	20.00		29.6856		593.71	77.79	77.33	75.59
14+600.00		30.6062	20.00		31.4166		628.33	77.79	77.33	75.59
14+620.00		32.2269	20.00		30.7602		615.20	77.79	77.33	75.44
14+640.00		29.2934	20.00		30.2948		605.90	77.79	77.33	75.59
14+660.00		31.2961	20.00		31.4309		628.62	77.79	77.33	75.55
14+680.00		31.5656	20.00		30.0602		601.20	77.79	77.33	75.64
14+700.00		28.5547	20.00		29.2781		585.56	77.79	77.33	75.67
14+720.00		30.0014	20.00		31.3565		627.13	77.79	77.33	75.69
14+740.00		32.7115	20.00		27.6007		552.01	77.78	77.32	75.86
14+760.00		22.4899	20.00		27.6031		552.06	77.78	77.32	76.38
14+780.00		32.7163	20.00		32.7843		655.69	77.78	77.32	75.80
14+800.00		32.8523	20.00		27.7182		554.36	77.78	77.32	75.92
14+820.00		22.5841	20.00		26.1359		522.72	77.78	77.32	76.36
14+840.00		29.6876	20.00		30.7548		615.10	77.78	77.32	75.72
14+860.00		31.8219	20.00		30.3118		606.24	77.78	77.32	75.86
14+880.00		28.8016	20.00		31.5966		631.93	77.78	77.32	75.76
14+900.00		34.3915	20.00		32.2097		644.19	77.78	77.32	75.68
14+920.00		30.0279	20.00		30.7994		615.99	77.78	77.32	75.62
14+940.00		31.5709	20.00		30.9288		618.58	77.78	77.32	75.50
14+960.00		30.2866	20.00		30.5815		611.63	77.78	77.32	75.67
14+980.00		30.8763	20.00		32.4897		649.79	77.78	77.32	75.73
15+000.00		34.1030	20.00		33.2181		664.36	77.78	77.32	75.78
15+020.00		32.3332	20.00		33.3999		668.00	77.78	77.32	75.83
15+040.00		34.4666	20.00		31.7186		634.37	77.78	77.32	75.82
15+060.00		28.9706	20.00		31.5577		631.15	77.78	77.32	75.77
15+080.00		34.1448	20.00		33.0589		661.18	77.78	77.32	75.82
15+100.00		31.9729	20.00		31.8528		637.06	77.77	77.31	75.80
15+120.00		31.7327	20.00		31.1036		622.07	77.77	77.31	75.75
15+140.00		30.4745	20.00		29.9582		599.16	77.77	77.31	75.71
15+160.00		29.4418	20.00		30.7902		615.80	77.77	77.31	75.68
15+180.00		32.1385	20.00		31.5324		630.65	77.77	77.31	75.66
15+200.00		30.9263	20.00		30.9413		618.83	77.77	77.31	75.59
15+220.00		30.9563	20.00		31.3746		627.49	77.77	77.31	75.55
15+240.00		31.7929	20.00		30.2772		605.54	77.77	77.31	75.48
15+260.00		28.7614	20.00		30.7061		614.12	77.77	77.31	75.59
15+280.00		32.6507	20.00		37.5019		750.04	77.77	77.31	75.53
15+300.00		42.3530	20.00		42.0870		841.74	77.77	77.31	75.49
15+320.00		41.8210	20.00		42.1981		843.96	77.77	77.31	75.47
15+340.00		42.5752	20.00		40.9088		818.18	77.77	77.31	75.39
15+360.00		39.2424	20.00		39.0069		780.14	77.77	77.31	75.36
15+380.00		38.7713	20.00		38.6877		773.75	77.77	77.31	75.33
15+400.00		38.6041	20.00		39.3854		787.71	77.77	77.31	75.27
15+420.00		40.1666	20.00		40.5836		811.67	77.77	77.31	75.32

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
15+440.00		41.0005	20.00		43.3387		866.77	77.77	77.31	75.27
15+460.00		45.6768	20.00		44.5822		891.64	77.77	77.31	75.11
15+480.00		43.4875	20.00		44.0242		880.48	77.77	77.31	75.24
15+500.00		44.5609	20.00		44.9700		899.40	77.76	77.30	75.39
15+520.00		45.3790	20.00		45.5711		911.42	77.76	77.30	75.24
15+540.00		45.7632	20.00		45.5923		911.85	77.76	77.30	75.88
15+560.00		45.4213	20.00		47.1372		942.74	77.76	77.30	75.62
15+580.00		48.8530	20.00		49.5876		991.75	77.76	77.30	75.10
15+600.00		50.3221	20.00		48.8116		976.23	77.76	77.30	75.02
15+620.00		47.3010	20.00		47.5490		950.98	77.76	77.30	75.04
15+640.00		47.7969	20.00		49.3773		987.55	77.76	77.30	75.16
15+660.00		50.9576	20.00		51.4995		1,029.99	77.76	77.30	75.07
15+680.00		52.0414	20.00		51.3145		1,026.29	77.76	77.30	74.96
15+700.00		50.5876	20.00		50.3413		1,006.83	77.76	77.30	75.04
15+720.00		50.0950	20.00		48.4765		969.53	77.76	77.30	75.10
15+740.00		46.8579	20.00		46.4428		928.86	77.76	77.30	75.82
15+760.00		46.0276	20.00		46.5952		931.90	77.76	77.30	75.27
15+780.00		47.1628	20.00		47.6251		952.50	77.76	77.30	75.08
15+800.00		48.0874	20.00		47.7927		955.85	77.76	77.30	75.07
15+820.00		47.4979	20.00		45.7648		915.30	77.76	77.30	75.13
15+840.00		44.0316	20.00		43.7013		874.03	77.76	77.30	75.40
15+860.00		43.3709	20.00		41.5114		830.23	77.76	77.30	75.23
15+880.00		39.6519	20.00		38.0063		760.13	77.76	77.30	75.12
15+900.00		36.3606	20.00		35.5575		711.15	77.75	77.29	75.17
15+920.00		34.7543	20.00		34.5746		691.49	77.75	77.29	75.21
15+940.00		34.3949	20.00		34.5360		690.72	77.75	77.29	75.23
15+960.00		34.6771	20.00		33.9949		679.90	77.75	77.29	75.33
15+980.00		33.3127	20.00		32.6635		653.27	77.75	77.29	75.39
16+000.00		32.0142	20.00		32.3741		647.48	77.75	77.29	75.45
16+020.00		32.7339	20.00		32.5470		650.94	77.75	77.29	75.48
16+040.00		32.3601	20.00		31.7121		634.24	77.75	77.29	75.51
16+060.00		31.0640	20.00		31.7092		634.18	77.75	77.29	75.52
16+080.00		32.3544	20.00		32.1783		643.57	77.75	77.29	75.45
16+100.00		32.0021	20.00		30.6955		613.91	77.75	77.29	75.56
16+120.00		29.3889	20.00		29.8800		597.60	77.75	77.29	75.53
16+140.00		30.3711	20.00		30.3607		607.21	77.75	77.29	75.54
16+160.00		30.3503	20.00		30.0801		601.60	77.75	77.29	75.56
16+180.00		29.8099	20.00		29.5759		591.52	77.75	77.29	75.58
16+200.00		29.3419	20.00		29.2002		584.00	77.75	77.29	75.61
16+220.00		29.0585	20.00		29.6484		592.97	77.75	77.29	75.71
16+240.00		30.2383	20.00		29.4342		588.68	77.75	77.29	75.61
16+260.00		28.6301	20.00		29.5945		591.89	77.75	77.29	75.73
16+280.00		30.5589	20.00		31.3799		627.60	77.75	77.29	75.68
16+300.00		32.2009	20.00		32.9797		659.59	77.74	77.28	75.51
16+320.00		33.7585	20.00		32.2695		645.39	77.74	77.28	75.48
16+340.00		30.7804	20.00		29.8662		597.32	77.74	77.28	75.58
16+360.00		28.9519	20.00		29.7485		594.97	77.74	77.28	75.61
16+380.00		30.5450	20.00		29.7612		595.22	77.74	77.28	75.52
16+400.00		28.9774	20.00		28.5519		571.04	77.74	77.28	75.62
16+420.00		28.1264	20.00		27.8712		557.42	77.74	77.28	75.72
16+440.00		27.6159	20.00		27.7869		555.74	77.74	77.28	76.12
16+460.00		27.9578	20.00		28.7017		574.03	77.74	77.28	75.95
16+480.00		29.4455	20.00		32.9453		658.91	77.74	77.28	76.32
16+500.00		36.4451	20.00		34.5564		691.13	77.74	77.28	75.87
16+520.00		32.6677	20.00		32.8573		657.15	77.74	77.28	75.71
16+540.00		33.0469	20.00		33.6290		672.58	77.74	77.28	75.64
16+560.00		34.2111	20.00		33.8049		676.10	77.74	77.28	75.62
16+580.00		33.3987	20.00		33.4201		668.40	77.74	77.28	75.59
16+600.00		33.4415	20.00		33.3171		666.34	77.74	77.28	75.59
16+620.00		33.1926	20.00		32.5643		651.29	77.74	77.28	75.54
16+640.00		31.9359	20.00		32.0453		640.91	77.74	77.28	75.55
16+660.00		32.1546	20.00		31.4773		629.55	77.74	77.28	75.64
16+680.00		30.7999	20.00		30.2796		605.59	77.74	77.28	75.63
16+700.00		29.7592	20.00		30.1429		602.86	77.74	77.28	75.73

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
16+720.00		30.5266	20.00		30.9837		619.67	77.73	77.27	75.88
16+740.00		31.4407	20.00		31.8190		636.38	77.73	77.27	75.86
16+760.00		32.1972	20.00		32.7479		654.96	77.73	77.27	75.91
16+780.00		33.2986	20.00		32.6102		652.20	77.73	77.27	75.87
16+800.00		31.9217	20.00		31.8377		636.75	77.73	77.27	75.87
16+820.00		31.7537	20.00		32.0754		641.51	77.73	77.27	75.87
16+840.00		32.3971	20.00		32.0891		641.78	77.73	77.27	75.77
16+860.00		31.7811	20.00		30.8902		617.80	77.73	77.27	75.85
16+880.00		29.9993	20.00		29.2643		585.29	77.73	77.27	75.94
16+900.00		28.5292	20.00		29.0581		581.16	77.73	77.27	75.94
16+920.00		29.5870	20.00		28.2941		565.88	77.73	77.27	75.84
16+940.00		27.0011	20.00		25.7136		514.27	77.73	77.27	75.90
16+960.00		24.4261	20.00		23.8060		476.12	77.73	77.27	75.97
16+980.00		23.1858	20.00		22.7900		455.80	77.73	77.27	76.11
17+000.00		22.3942	20.00		22.1626		443.25	77.73	77.27	76.12
17+020.00		21.9310	20.00		21.7277		434.55	77.73	77.27	76.15
17+040.00		21.5243	20.00		22.5471		450.94	77.73	77.27	76.13
17+060.00		23.5698	20.00		23.3016		466.03	77.73	77.27	76.13
17+080.00		23.0333	20.00		23.9532		479.06	77.73	77.27	76.12
17+100.00		24.8730	20.00		24.4995		489.99	77.73	77.27	76.13
17+120.00		24.1260	20.00		23.8246		476.49	77.72	77.26	76.16
17+140.00		23.5231	20.00		23.5262		470.52	77.72	77.26	76.16
17+160.00		23.5292	20.00		23.1804		463.61	77.72	77.26	76.17
17+180.00		22.8316	20.00		22.0807		441.61	77.72	77.26	76.16
17+200.00		21.3298	20.00		20.5541		411.08	77.72	77.26	76.27
17+220.00		19.7783	20.00		19.6497		392.99	77.72	77.26	76.36
17+240.00		19.5211	20.00		20.6385		412.77	77.72	77.26	76.38
17+260.00		21.7559	20.00		22.2459		444.92	77.72	77.26	76.35
17+280.00		22.7358	20.00		23.2775		465.55	77.72	77.26	76.37
17+300.00		23.8192	20.00		23.1713		463.43	77.72	77.26	76.33
17+320.00		22.5234	20.00		22.8771		457.54	77.72	77.26	76.38
17+340.00		23.2307	20.00		23.9743		479.49	77.72	77.26	76.47
17+360.00		24.7179	20.00		26.0188		520.38	77.72	77.26	76.49
17+380.00		27.3197	20.00		26.9741		539.48	77.72	77.26	76.56
17+400.00		26.6285	20.00		26.9441		538.88	77.72	77.26	76.55
17+420.00		27.2596	20.00		25.6991		513.98	77.72	77.26	76.60
17+440.00		24.1386	20.00		24.2482		484.96	77.72	77.26	76.64
17+460.00		24.3578	20.00		24.7420		494.84	77.72	77.26	76.78
17+480.00		25.1261	20.00		26.1221		522.44	77.72	77.26	76.80
17+500.00		27.1180	20.00		27.8774		557.55	77.72	77.26	76.84
17+520.00		28.6368	20.00		32.0743		641.49	77.71	77.25	76.67
17+540.00		35.5117	20.00		31.9885		639.77	77.71	77.25	76.61
17+560.00		28.4652	20.00		27.5290		550.58	77.71	77.25	76.56
17+580.00		26.5928	20.00		28.1049		562.10	77.71	77.25	76.48
17+600.00		29.6169	20.00		31.3843		627.69	77.71	77.25	76.39
17+620.00		33.1516	20.00		31.8522		637.04	77.71	77.25	76.29
17+640.00		30.5527	20.00		31.5156		630.31	77.71	77.25	76.21
17+660.00		32.4784	20.00		31.5675		631.35	77.71	77.25	76.11
17+680.00		30.6566	20.00		31.1704		623.41	77.71	77.25	76.06
17+700.00		31.6842	20.00		32.3819		647.64	77.71	77.25	76.05
17+720.00		33.0796	20.00		35.0620		701.24	77.71	77.25	75.99
17+740.00		37.0444	20.00		37.6363		752.73	77.71	77.25	75.84
17+760.00		38.2281	20.00		35.6560		713.12	77.71	77.25	75.81
17+780.00		33.0838	20.00		33.9862		679.72	77.71	77.25	75.70
17+800.00		34.8885	20.00		35.4865		709.73	77.71	77.25	75.59
17+820.00		36.0844	20.00		36.2814		725.63	77.71	77.25	75.48
17+840.00		36.4784	20.00		36.7509		735.02	77.71	77.25	75.50
17+860.00		37.0234	20.00		37.8483		756.97	77.71	77.25	75.46
17+880.00		38.6731	20.00		38.5417		770.83	77.71	77.25	75.45
17+900.00		38.4103	20.00		39.3003		786.01	77.71	77.25	75.38
17+920.00		40.1902	20.00		40.1877		803.75	77.70	77.24	75.34
17+940.00		40.1851	20.00		40.6058		812.12	77.70	77.24	75.28
17+960.00		41.0265	20.00		38.9732		779.46	77.70	77.24	75.26
17+980.00		36.9199	20.00		36.2098		724.20	77.70	77.24	75.32

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
18+000.00		35.4996	20.00		35.7934		715.87	77.70	77.24	75.55
18+020.00		36.0872	20.00		38.2904		765.81	77.70	77.24	75.88
18+040.00		40.4936	20.00		39.2545		785.09	77.70	77.24	75.75
18+060.00		38.0154	20.00		38.2797		765.59	77.70	77.24	75.55
18+080.00		38.5440	20.00		38.8189		776.38	77.70	77.24	75.46
18+100.00		39.0938	20.00		39.6264		792.53	77.70	77.24	75.29
18+120.00		40.1589	20.00		39.8231		796.46	77.70	77.24	75.23
18+140.00		39.4873	20.00		39.1020		782.04	77.71	77.25	75.22
18+160.00		38.7166	20.00		37.9805		759.61	77.71	77.25	75.31
18+180.00		37.2444	20.00		35.6342		712.68	77.71	77.25	75.32
18+200.00		34.0240	20.00		32.3030		646.06	77.72	77.26	75.48
18+220.00		30.5819	20.00		30.6786		613.57	77.72	77.26	75.66
18+240.00		30.7753	20.00		28.9605		579.21	77.72	77.26	75.88
18+260.00		27.1456	20.00		25.6870		513.74	77.72	77.26	76.01
18+280.00		24.2283	20.00		22.9816		459.63	77.73	77.27	76.18
18+300.00		21.7349	20.00		20.5408		410.82	77.73	77.27	76.34
18+320.00		19.3467	20.00		18.8351		376.70	77.73	77.27	76.42
18+340.00		18.3235	20.00		16.8732		337.46	77.73	77.27	76.52
18+360.00		15.4228	20.00		14.6123		292.25	77.74	77.28	76.59
18+380.00		13.8017	20.00		13.0819		261.64	77.74	77.28	76.73
18+400.00		12.3620	20.00		12.4364		248.73	77.74	77.28	76.86
18+420.00		12.5108	20.00		12.9804		259.61	77.75	77.29	76.78
18+440.00		13.4500	20.00		13.4046		268.09	77.75	77.29	76.70
18+460.00		13.3592	20.00		12.7603		255.21	77.75	77.29	76.75
18+480.00		12.1613	20.00		11.7343		234.69	77.75	77.29	76.77
18+500.00		11.3072	20.00		11.8198		236.40	77.76	77.30	76.79
18+520.00		12.3324	20.00		12.4005		248.01	77.76	77.30	76.74
18+540.00		12.4685	20.00		12.4677		249.35	77.76	77.30	76.61
18+560.00		12.4669	20.00		12.6515		253.03	77.77	77.31	76.70
18+580.00		12.8361	20.00		12.6788		253.58	77.77	77.31	76.64
18+600.00		12.5215	20.00		12.5358		250.72	77.77	77.31	76.79
18+620.00		12.5501	20.00		12.6639		253.28	77.77	77.31	76.75
18+640.00		12.7776	20.00		12.5292		250.58	77.78	77.32	76.78
18+660.00		12.2807	20.00		12.5611		251.22	77.78	77.32	76.78
18+680.00		12.8414	20.00		12.7734		255.47	77.78	77.32	76.76
18+700.00		12.7053	20.00		13.0010		260.02	77.78	77.32	76.65
18+720.00		13.2966	20.00		13.5481		270.96	77.79	77.33	76.65
18+740.00		13.7995	20.00		13.8922		277.84	77.79	77.33	76.71
18+760.00		13.9849	20.00		14.0242		280.48	77.79	77.33	76.67
18+780.00		14.0634	20.00		14.3876		287.75	77.80	77.34	76.61
18+800.00		14.7117	20.00		14.8281		296.56	77.80	77.34	76.62
18+820.00		14.9444	20.00		14.5880		291.76	77.80	77.34	76.64
18+840.00		14.2315	20.00		14.6778		293.56	77.80	77.34	76.64
18+860.00		15.1240	20.00		15.0588		301.18	77.81	77.35	76.65
18+880.00		14.9935	20.00		14.9595		299.19	77.81	77.35	76.59
18+900.00		14.9255	20.00		14.7321		294.64	77.81	77.35	76.73
18+920.00		14.5386	20.00		15.0550		301.10	77.81	77.35	76.70
18+940.00		15.5714	20.00		15.6521		313.04	77.82	77.36	76.69
18+960.00		15.7327	20.00		15.5520		311.04	77.82	77.36	76.73
18+980.00		15.3712	20.00		14.3544		287.09	77.82	77.36	76.70
19+000.00		13.3375	20.00		13.0232		260.46	77.83	77.37	76.67
19+020.00		12.7088	20.00		13.1008		262.02	77.83	77.37	76.69
19+040.00		13.4928	20.00		13.4599		269.20	77.83	77.37	76.73
19+060.00		13.4270	20.00		13.6826		273.65	77.83	77.37	76.71
19+080.00		13.9381	20.00		13.9032		278.06	77.84	77.38	76.70
19+100.00		13.8683	20.00		13.9982		279.96	77.84	77.38	76.57
19+120.00		14.1281	20.00		14.5329		290.66	77.84	77.38	76.55
19+140.00		14.9376	20.00		14.8956		297.91	77.84	77.38	76.59
19+160.00		14.8535	20.00		14.7059		294.12	77.85	77.39	76.64
19+180.00		14.5583	20.00		14.7192		294.38	77.85	77.39	76.63
19+200.00		14.8801	20.00		14.4406		288.81	77.85	77.39	76.62
19+220.00		14.0011	20.00		14.2639		285.28	77.86	77.40	76.67
19+240.00		14.5267	20.00		14.7801		295.60	77.86	77.40	76.66
19+260.00		15.0335	20.00		15.3909		307.82	77.86	77.40	76.50

50 (Cincuenta)

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
19+280.00		15.7482	20.00		15.5553		311.11	77.86	77.40	76.56
19+300.00		15.3623	20.00		15.1728		303.46	77.87	77.41	76.65
19+320.00		14.9833	20.00		15.4715		309.43	77.87	77.41	76.68
19+340.00		15.9597	20.00		16.7318		334.64	77.87	77.41	76.56
19+360.00		17.5039	20.00		17.0055		340.11	77.89	77.43	76.33
19+380.00		16.5070	20.00		16.6747		333.49	77.92	77.46	76.56
19+400.00		16.8423	20.00		17.0181		340.36	77.94	77.48	76.59
19+420.00		17.1938	20.00		17.1925		343.85	77.96	77.50	76.62
19+440.00		17.1911	20.00		16.3137		326.27	77.98	77.52	76.64
19+460.00		15.4363	20.00		14.3155		286.31	78.00	77.54	76.73
19+480.00		13.1946	20.00		11.7422		234.84	78.00	77.54	76.91
19+500.00		10.2897	20.00		11.2984		225.97	78.00	77.54	77.13
19+520.00		12.3070	20.00		11.8788		237.58	78.00	77.54	77.25
19+540.00		11.4506	20.00		12.4094		248.19	78.00	77.54	77.06
19+560.00		13.3682	20.00		14.3200		286.40	78.00	77.54	76.89
19+580.00		15.2717	20.00		14.6236		292.47	78.00	77.54	76.72
19+600.00		13.9755	20.00		15.0830		301.66	77.98	77.52	76.62
19+620.00		16.1905	20.00		15.8942		317.88	77.95	77.49	76.63
19+640.00		15.5979	20.00		15.8441		316.88	77.93	77.47	76.61
19+660.00		16.0903	20.00		15.4056		308.11	77.90	77.44	76.68
19+680.00		14.7208	20.00		14.5350		290.70	77.88	77.42	76.61
19+700.00		14.3492	20.00		14.2888		285.78	77.85	77.39	76.62
19+720.00		14.2283	20.00		14.3250		286.50	77.85	77.39	76.62
19+740.00		14.4217	20.00		14.7459		294.92	77.85	77.39	76.66
19+760.00		15.0700	20.00		15.1640		303.28	77.85	77.39	76.60
19+780.00		15.2580	20.00		15.7715		315.43	77.85	77.39	76.58
19+800.00		16.2849	20.00		16.7385		334.77	77.85	77.39	76.49
19+820.00		17.1920	20.00		17.4126		348.25	77.85	77.39	76.47
19+840.00		17.6332	20.00		17.9205		358.41	77.85	77.39	76.46
19+860.00		18.2077	20.00		18.8661		377.32	77.85	77.39	76.44
19+880.00		19.5244	20.00		21.2198		424.40	77.85	77.39	76.37
19+900.00		22.9151	20.00		24.0801		481.60	77.89	77.43	76.32
19+920.00		25.2451	20.00		26.2311		524.62	77.93	77.47	76.24
19+940.00		27.2171	20.00		28.4450		568.90	77.97	77.51	76.16
19+960.00		29.6728	20.00		30.3827		607.65	78.01	77.55	76.04
19+980.00		31.0926	20.00		33.2844		665.69	78.05	77.59	75.99
20+000.00		35.4761	20.00		36.2193		724.39	78.09	77.63	76.16
20+020.00		36.9624	20.00		35.1298		702.60	78.09	77.63	76.27
20+040.00		33.2971	20.00		31.6184		632.37	78.09	77.63	76.48
20+060.00		29.9397	20.00		49.9514		999.03	78.09	77.63	76.75
20+080.00		69.9630	20.00		49.4893		989.79	78.09	77.63	76.87
20+100.00		29.0156	20.00		32.4673		649.35	78.09	77.63	76.48
20+120.00		35.9190	20.00		34.1017		682.03	78.09	77.63	76.20
20+140.00		32.2844	20.00		31.9704		639.41	78.09	77.63	76.07
20+160.00		31.6563	20.00		31.8123		636.25	78.09	77.63	75.93
20+180.00		31.9683	20.00		31.4148		628.30	78.02	77.56	75.94
20+200.00		30.8613	20.00		28.0628		561.26	77.94	77.48	76.05
20+220.00		25.2642	20.00		24.9543		499.09	77.87	77.41	76.21
20+240.00		24.6443	20.00		24.1963		483.93	77.79	77.33	76.10
20+260.00		23.7483	20.00		23.4505		469.01	77.72	77.26	76.04
20+280.00		23.1527	20.00		24.0692		481.38	77.64	77.18	76.02
20+300.00		24.9857	20.00		25.8332		516.66	77.64	77.18	75.91
20+320.00		26.6807	20.00		28.0161		560.32	77.64	77.18	75.82
20+340.00		29.3515	20.00		29.6929		593.86	77.64	77.18	75.71
20+360.00		30.0342	20.00		30.6685		613.37	77.64	77.18	75.52
20+380.00		31.3028	20.00		31.7450		634.90	77.64	77.18	75.44
20+400.00		32.1872	20.00		32.7166		654.33	77.64	77.18	75.50
20+420.00		33.2459	20.00		33.1499		663.00	77.64	77.18	75.47
20+440.00		33.0538	20.00		33.0480		660.96	77.64	77.18	75.53
20+460.00		33.0421	20.00		32.7410		654.82	77.64	77.18	75.54
20+480.00		32.4399	20.00		31.4783		629.57	77.64	77.18	75.61
20+500.00		30.5166	20.00		32.0943		641.89	77.64	77.18	75.62
20+520.00		33.6720	20.00		33.2765		665.53	77.64	77.18	75.69
20+540.00		32.8810	20.00		30.8228		616.46	77.64	77.18	75.88

SI (Cincuenta y Un)

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
20+560.00		28.7645	20.00		27.9036		558.07	77.64	77.18	76.28
20+580.00		27.0427	20.00		27.0736		541.47	77.63	77.17	76.06
20+600.00		27.1044	20.00		27.1566		543.13	77.63	77.17	75.91
20+620.00		27.2087	20.00		26.2959		525.92	77.63	77.17	75.88
20+640.00		25.3830	20.00		24.7757		495.51	77.63	77.17	75.93
20+660.00		24.1683	20.00		25.2910		505.82	77.63	77.17	76.00
20+680.00		26.4136	20.00		27.5128		550.26	77.63	77.17	75.84
20+700.00		28.6120	20.00		28.5920		571.84	77.63	77.17	75.60
20+720.00		28.5720	20.00		29.4651		589.30	77.63	77.17	75.49
20+740.00		30.3581	20.00		30.1402		602.80	77.63	77.17	75.48
20+760.00		29.9223	20.00		31.0959		621.92	77.63	77.17	75.63
20+780.00		32.2695	20.00		31.8273		636.55	77.63	77.17	75.74
20+800.00		31.3850	20.00		36.7860		735.72	77.63	77.17	75.78
20+820.00		42.1869	20.00		37.0597		741.19	77.63	77.17	75.92
20+840.00		31.9325	20.00		33.1040		662.08	77.63	77.17	75.80
20+860.00		34.2754	20.00		32.4728		649.46	77.63	77.17	75.64
20+880.00		30.6701	20.00		30.3907		607.81	77.63	77.17	75.50
20+900.00		30.1112	20.00		29.9843		599.69	77.63	77.17	75.47
20+920.00		29.8573	20.00		29.4015		588.03	77.63	77.17	75.44
20+940.00		28.9456	20.00		28.5695		571.39	77.63	77.17	75.44
20+960.00		28.1934	20.00		27.7688		555.38	77.63	77.17	75.45
20+980.00		27.3442	20.00		26.6646		533.29	77.63	77.17	75.47
21+000.00		25.9850	20.00		27.5197		550.39	77.63	77.17	75.62
21+020.00		29.0543	20.00		28.1613		563.23	77.63	77.17	75.76
21+040.00		27.2682	20.00		26.4394		528.79	77.63	77.17	75.87
21+060.00		25.6105	20.00		24.7822		495.64	77.63	77.17	75.96
21+080.00		23.9538	20.00		23.4959		469.92	77.62	77.16	76.01
21+100.00		23.0379	20.00		22.3377		446.75	77.62	77.16	75.97
21+120.00		21.6375	20.00		20.9357		418.71	77.62	77.16	76.08
21+140.00		20.2338	20.00		19.6736		393.47	77.62	77.16	76.19
21+160.00		19.1133	20.00		19.0442		380.88	77.62	77.16	76.26
21+180.00		18.9751	20.00		20.3159		406.32	77.62	77.16	76.26
21+200.00		21.6567	20.00		21.0122		420.24	77.62	77.16	76.14
21+220.00		20.3676	20.00		20.3117		406.23	77.62	77.16	76.17
21+240.00		20.2558	20.00		20.6121		412.24	77.62	77.16	76.19
21+260.00		20.9683	20.00		20.1673		403.35	77.62	77.16	76.23
21+280.00		19.3662	20.00		18.9996		379.99	77.62	77.16	76.37
21+300.00		18.6330	20.00		18.2075		364.15	77.62	77.16	76.44
21+320.00		17.7820	20.00		18.0829		361.66	77.62	77.16	76.61
21+340.00		18.3838	20.00		19.2540		385.08	77.62	77.16	76.53
21+360.00		20.1242	20.00		20.1910		403.82	77.62	77.16	76.33
21+380.00		20.2577	20.00		21.1620		423.24	77.63	77.17	76.22
21+400.00		22.0662	20.00		22.4988		449.98	77.63	77.17	76.12
21+420.00		22.9314	20.00		22.4895		449.79	77.63	77.17	76.03
21+440.00		22.0476	20.00		21.2379		424.76	77.63	77.17	76.09
21+460.00		20.4281	20.00		19.3582		387.16	77.63	77.17	76.13
21+480.00		18.2882	20.00		17.9020		358.04	77.63	77.17	76.31
21+500.00		17.5157	20.00		17.0959		341.92	77.63	77.17	76.30
21+520.00		16.6760	20.00		15.8718		317.44	77.63	77.17	76.47
21+540.00		15.0676	20.00		15.1478		302.96	77.63	77.17	76.43
21+560.00		15.2280	20.00		14.9125		298.25	77.63	77.17	76.53
21+580.00		14.5969	20.00		14.7690		295.38	77.63	77.17	76.51
21+600.00		14.9411	20.00		14.8711		297.42	77.63	77.17	76.51
21+620.00		14.8010	20.00		14.9298		298.60	77.63	77.17	76.41
21+640.00		15.0586	20.00		14.7957		295.91	77.63	77.17	76.50
21+660.00		14.5327	20.00		15.1168		302.34	77.63	77.17	76.56
21+680.00		15.7009	20.00		17.0378		340.76	77.63	77.17	76.39
21+700.00		18.3747	20.00		19.7369		394.74	77.63	77.17	76.30
21+720.00		21.0991	20.00		21.7228		434.46	77.63	77.17	76.36
21+740.00		22.3464	20.00		23.8475		476.95	77.63	77.17	76.98
21+760.00		25.3485	20.00		24.5754		491.51	77.63	77.17	76.40
21+780.00		23.8023	20.00		19.5468		390.94	77.63	77.17	76.81
21+800.00		15.2913	20.00		18.9047		378.09	77.63	77.17	76.61
21+820.00		22.5180	20.00		22.3635		447.27	77.63	77.17	76.31

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
21+840.00		22.2089	20.00		22.6418		452.84	77.63	77.17	76.10
21+860.00		23.0746	20.00		23.2356		464.71	77.63	77.17	76.08
21+880.00		23.3966	20.00		22.3445		446.89	77.63	77.17	76.04
21+900.00		21.2924	20.00		20.9533		419.07	77.63	77.17	76.18
21+920.00		20.6142	20.00		19.5096		390.19	77.63	77.17	76.12
21+940.00		18.4049	20.00		18.5176		370.35	77.63	77.17	76.91
21+960.00		18.6303	20.00		17.8505		357.01	77.63	77.17	76.28
21+980.00		17.0706	20.00		15.7164		314.33	77.63	77.17	76.37
22+000.00		14.3622	20.00		13.8751		277.50	77.63	77.17	76.51
22+020.00		13.3879	20.00		12.7227		254.45	77.63	77.17	76.56
22+040.00		12.0574	20.00		11.4169		228.34	77.63	77.17	76.61
22+060.00		10.7763	20.00		10.4209		208.42	77.63	77.17	76.72
22+080.00		10.0655	20.00		9.8804		197.61	77.63	77.17	76.77
22+100.00		9.6953	20.00		9.9286		198.57	77.63	77.17	76.83
22+120.00		10.1618	20.00		10.0632		201.26	77.63	77.17	76.82
22+140.00		9.9645	20.00		10.0821		201.64	77.63	77.17	76.83
22+160.00		10.1997	20.00		10.3826		207.65	77.63	77.17	76.83
22+180.00		10.5654	20.00		10.0448		200.90	77.63	77.17	76.79
22+200.00		9.5241	20.00		10.1977		203.95	77.63	77.17	76.83
22+220.00		10.8712	20.00		10.8553		217.11	77.63	77.17	76.78
22+240.00		10.8393	20.00		10.6758		213.52	77.63	77.17	76.77
22+260.00		10.5123	20.00		10.6612		213.22	77.63	77.17	76.79
22+280.00		10.8101	20.00		10.8751		217.50	77.63	77.17	76.80
22+300.00		10.9401	20.00		11.0117		220.23	77.63	77.17	76.78
22+320.00		11.0833	20.00		11.5794		231.59	77.63	77.17	76.72
22+340.00		12.0754	20.00		11.6382		232.76	77.63	77.17	76.61
22+360.00		11.2009	20.00		11.1353		222.71	77.63	77.17	76.74
22+380.00		11.0697	20.00		10.8741		217.48	77.63	77.17	76.77
22+400.00		10.6785	20.00		10.9637		219.27	77.63	77.17	76.75
22+420.00		11.2488	20.00		10.7700		215.40	77.63	77.17	76.71
22+440.00		10.2912	20.00		9.5326		190.65	77.63	77.17	76.77
22+460.00		8.7740	20.00		10.1232		202.46	77.63	77.17	76.68
22+480.00		11.4723	20.00		11.3620		227.24	77.63	77.17	76.71
22+500.00		11.2516	20.00		12.0543		241.09	77.63	77.17	76.74
22+520.00		12.8570	20.00		12.6523		253.05	77.63	77.17	76.67
22+540.00		12.4476	20.00		13.1368		262.74	77.63	77.17	76.62
22+560.00		13.8260	20.00		14.2193		284.39	77.69	77.23	76.60
22+580.00		14.6126	20.00		15.4775		309.55	77.75	77.29	76.60
22+600.00		16.3424	20.00		17.4122		348.24	77.81	77.35	76.59
22+620.00		18.4820	20.00		19.2455		384.91	77.87	77.41	76.59
22+640.00		20.0090	20.00		19.8897		397.79	77.93	77.47	76.37
22+660.00		19.7703	20.00		19.9572		399.14	77.93	77.47	76.57
22+680.00		20.1441	20.00		19.4302		388.60	77.93	77.47	76.54
22+700.00		18.7163	20.00		12.9375		258.75	77.93	77.47	76.68
22+720.00		7.1586	20.00		12.1456		242.91	77.93	77.47	77.13
22+740.00		17.1326	20.00		17.9695		359.39	77.93	77.47	76.76
22+760.00		18.8063	20.00		19.2828		385.66	77.93	77.47	76.59
22+780.00		19.7592	20.00		18.6595		373.19	77.93	77.47	76.53
22+800.00		17.5598	20.00		17.6430		352.86	77.93	77.47	76.60
22+820.00		17.7262	20.00		17.6559		353.12	77.93	77.47	76.57
22+840.00		17.5855	20.00		17.6348		352.70	77.93	77.47	76.58
22+860.00		17.6840	20.00		16.5321		330.64	77.93	77.47	76.61
22+880.00		15.3801	20.00		15.0421		300.84	77.92	77.46	76.66
22+900.00		14.7041	20.00		14.3655		287.31	77.90	77.44	76.77
22+920.00		14.0269	20.00		13.5236		270.47	77.89	77.43	76.77
22+940.00		13.0203	20.00		12.4726		249.45	77.88	77.42	76.86
22+960.00		11.9248	20.00		10.9709		219.42	77.84	77.38	76.89
22+980.00		10.0169	20.00		10.1261		202.52	77.81	77.35	76.83
23+000.00		10.2353	20.00		8.9931		179.86	77.77	77.31	76.70
23+020.00		7.7509	20.00		7.2822		145.64	77.74	77.28	76.93
23+040.00		6.8134	20.00		6.4495		128.99	77.70	77.24	76.99
23+060.00		6.0856	20.00		6.1936		123.87	77.70	77.24	77.01
23+080.00		6.3016	20.00		6.5908		131.82	77.70	77.24	77.07
23+100.00		6.8800	20.00		6.9291		138.58	77.70	77.24	77.01

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
23+120.00		6.9781	20.00		6.1572		123.14	77.70	77.24	77.01
23+140.00		5.3362	20.00		5.6335		112.67	77.70	77.24	77.15
23+160.00		5.9308	20.00		6.3336		126.67	77.70	77.24	77.14
23+180.00		6.7364	20.00		6.4227		128.45	77.70	77.24	77.06
23+200.00		6.1089	20.00		6.5086		130.17	77.70	77.24	77.02
23+220.00		6.9082	20.00		6.7130		134.26	77.70	77.24	76.96
23+240.00		6.5178	20.00		6.4675		129.35	77.70	77.24	76.99
23+260.00		6.4172	20.00		6.1209		122.42	77.70	77.24	77.01
23+280.00		5.8245	20.00		6.0457		120.91	77.70	77.24	77.11
23+300.00		6.2668	20.00		6.2437		124.87	77.70	77.24	77.04
23+320.00		6.2206	20.00		6.3302		126.60	77.70	77.24	77.06
23+340.00		6.4397	20.00		6.5815		131.63	77.70	77.24	77.05
23+360.00		6.7233	20.00		7.2369		144.74	77.70	77.24	76.97
23+380.00		7.7505	20.00		7.1583		143.17	77.71	77.25	76.91
23+400.00		6.5660	20.00		6.5518		131.04	77.72	77.26	77.09
23+420.00		6.5376	20.00		6.7488		134.98	77.73	77.27	77.10
23+440.00		6.9599	20.00		7.3165		146.33	77.74	77.28	77.07
23+460.00		7.6730	20.00		7.4527		149.05	77.75	77.29	77.00
23+480.00		7.2323	20.00		7.1630		143.26	77.76	77.30	77.07
23+500.00		7.0937	20.00		7.4027		148.05	77.77	77.31	77.07
23+520.00		7.7117	20.00		7.9031		158.06	77.78	77.32	77.04
23+540.00		8.0945	20.00		7.8022		156.04	77.78	77.32	77.06
23+560.00		7.5098	20.00		7.8354		156.71	77.78	77.32	77.06
23+580.00		8.1609	20.00		7.7184		154.37	77.78	77.32	76.99
23+600.00		7.2759	20.00		7.4672		149.34	77.78	77.32	77.06
23+620.00		7.6584	20.00		7.8210		156.42	77.78	77.32	77.08
23+640.00		7.9836	20.00		8.0532		161.06	77.78	77.32	77.08
23+660.00		8.1227	20.00		8.4531		169.06	77.78	77.32	77.07
23+680.00		8.7835	20.00		8.2451		164.90	77.78	77.32	76.99
23+700.00		7.7067	20.00		8.1552		163.10	77.78	77.32	76.98
23+720.00		8.6036	20.00		8.3081		166.16	77.78	77.32	77.04
23+740.00		8.0126	20.00		8.0520		161.04	77.78	77.32	77.04
23+760.00		8.0913	20.00		8.1816		163.63	77.78	77.32	77.01
23+780.00		8.2719	20.00		8.1861		163.72	77.78	77.32	76.99
23+800.00		8.1003	20.00		8.0104		160.21	77.78	77.32	77.01
23+820.00		7.9205	20.00		7.8278		156.56	77.74	77.28	76.98
23+840.00		7.7351	20.00		7.6448		152.90	77.70	77.24	76.96
23+860.00		7.5544	40.00		7.5431		301.72	77.66	77.20	76.93
23+900.00		7.5317	20.00		7.6199		152.40	77.58	77.12	76.85
23+920.00		7.7080	20.00		7.6637		153.27	77.54	77.08	76.81
23+940.00		7.6193	20.00		7.8448		156.90	77.50	77.04	76.75
23+960.00		8.0703	20.00		8.1329		162.66	77.46	77.00	76.70
23+980.00		8.1954	20.00	-2.3690	56.9201	-47.38	1,138.40	77.46	77.00	76.69
24+000.00	-4.7379	105.6447		-4.7379	105.6447			77.46	77.00	
24+000.00	-4.7379	105.6447						77.46	77.00	76.53
24+000.00		10.4478	20.00		10.3593		207.19	77.46	77.00	76.53
24+020.00		10.2707	20.00		10.1911		203.82	77.46	77.00	76.54
24+040.00		10.1115	20.00		9.6117		192.23	77.46	77.00	76.56
24+060.00		9.1119	20.00		8.0422		160.84	77.46	77.00	76.71
24+080.00		6.9725	20.00		8.6458		172.92	77.46	77.00	76.82
24+100.00		10.3191	20.00		10.2551		205.10	77.46	77.00	76.60
24+120.00		10.1911	20.00		10.2362		204.72	77.46	77.00	76.84
24+140.00		10.2813	20.00		10.6099		212.20	77.46	77.00	76.66
24+160.00		10.9385	20.00		10.9623		219.25	77.46	77.00	76.63
24+180.00		10.9861	20.00		11.0245		220.49	77.46	77.00	76.56
24+200.00		11.0628	20.00		10.8548		217.10	77.46	77.00	76.57
24+220.00		10.6468	20.00		10.8524		217.05	77.46	77.00	76.50
24+240.00		11.0580	20.00		10.7010		214.02	77.46	77.00	76.55
24+260.00		10.3439	20.00		10.1444		202.89	77.46	77.00	76.54
24+280.00		9.9449	20.00		9.3547		187.09	77.46	77.00	76.63
24+300.00		8.7645	20.00		8.7204		174.41	77.46	77.00	76.68
24+320.00		8.6762	20.00		8.6875		173.75	77.46	77.00	76.72
24+340.00		8.6987	20.00	-3,034.4084	4.3494	-60,688.17	86.99	77.48	77.02	76.72
24+360.00	-6,068.8167		20.00	-3,034.4084	3.7751	-60,688.17	75.50	77.50	77.04	76.77

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
24+380.00		7.5502	20.00		7.6059		152.12	77.52	77.06	76.83
24+400.00		7.6615	20.00		7.6428		152.86	77.54	77.08	76.80
24+420.00		7.6241	20.00		7.8426		156.85	77.56	77.10	76.85
24+440.00		8.0611	20.00		7.9290		158.58	77.58	77.12	76.89
24+460.00		7.7969	20.00		7.1199		142.40	77.60	77.14	76.91
24+480.00		6.4428	20.00		7.2595		145.19	77.62	77.16	76.93
24+500.00		8.0762	20.00		8.2223		164.45	77.64	77.18	76.91
24+520.00		8.3683	20.00		8.4832		169.66	77.66	77.20	76.86
24+540.00		8.5981	20.00		8.1559		163.12	77.68	77.22	76.87
24+560.00		7.7136	20.00		8.1545		163.09	77.70	77.24	76.96
24+580.00		8.5954	20.00		8.7722		175.44	77.72	77.26	76.98
24+600.00		8.9489	20.00		8.6365		172.73	77.74	77.28	76.98
24+620.00		8.3241	20.00		7.9880		159.76	77.75	77.29	77.01
24+640.00		7.6518	20.00		6.2821		125.64	77.76	77.30	77.01
24+660.00		4.9124	20.00		5.6645		113.29	77.74	77.28	77.18
24+680.00		6.4165	20.00		7.2010		144.02	77.72	77.26	77.10
24+700.00		7.9854	20.00		7.4480		148.96	77.70	77.24	76.99
24+720.00		6.9105	20.00		6.5546		131.09	77.68	77.22	77.03
24+740.00		6.1986	20.00		6.7013		134.03	77.66	77.20	77.07
24+760.00		7.2040	20.00		6.7602		135.20	77.64	77.18	77.03
24+780.00		6.3164	20.00		6.1895		123.79	77.62	77.16	76.99
24+800.00		6.0626	20.00		5.6478		112.96	77.60	77.14	77.03
24+820.00		5.2330	20.00		5.1410		102.82	77.58	77.12	77.07
24+840.00		5.0489	20.00		5.4116		108.23	77.56	77.10	77.03
24+860.00		5.7742	20.00		5.9417		118.83	77.54	77.08	76.96
24+880.00		6.1092	20.00		6.8420		136.84	77.53	77.07	76.89
24+900.00		7.5748	20.00		8.5274		170.55	77.53	77.07	76.83
24+920.00		9.4799	20.00		10.5515		211.03	77.53	77.07	76.72
24+940.00		11.6231	20.00		12.4087		248.17	77.53	77.07	76.59
24+960.00		13.1943	20.00		14.1346		282.69	77.53	77.07	76.48
24+980.00		15.0748	20.00		16.2347		324.69	77.53	77.07	76.38
25+000.00		17.3946	20.00		17.9473		358.95	77.53	77.07	76.26
25+020.00		18.4999	20.00		19.1764		383.53	77.53	77.07	76.14
25+040.00		19.8528	20.00		21.1683		423.37	77.53	77.07	76.10
25+060.00		22.4838	20.00		23.2406		464.81	77.53	77.07	75.98
25+080.00		23.9973	20.00		25.1785		503.57	77.53	77.07	75.91
25+100.00		26.3597	20.00		26.8689		537.38	77.53	77.07	75.82
25+120.00		27.3780	20.00		27.0874		541.75	77.53	77.07	75.74
25+140.00		26.7967	20.00		27.5080		550.16	77.53	77.07	75.75
25+160.00		28.2193	20.00		28.7128		574.26	77.52	77.06	75.66
25+180.00		29.2062	20.00		29.5417		590.83	77.52	77.06	75.64
25+200.00		29.8772	20.00		30.1685		603.37	77.52	77.06	75.64
25+220.00		30.4597	20.00		30.5571		611.14	77.52	77.06	75.56
25+240.00		30.6545	20.00		30.0059		600.12	77.52	77.06	75.53
25+260.00		29.3572	20.00		29.7739		595.48	77.52	77.06	75.49
25+280.00		30.1905	20.00		31.1461		622.92	77.52	77.06	75.45
25+300.00		32.1017	20.00		31.8592		637.18	77.52	77.06	75.43
25+320.00		31.6166	20.00		31.7489		634.98	77.52	77.06	75.68
25+340.00		31.8812	20.00		31.4331		628.66	77.52	77.06	75.63
25+360.00		30.9850	20.00		30.2068		604.14	77.52	77.06	75.63
25+380.00		29.4285	20.00		28.7395		574.79	77.52	77.06	75.67
25+400.00		28.0505	20.00		26.9662		539.32	77.52	77.06	75.75
25+420.00		25.8819	20.00		25.0120		500.24	77.52	77.06	75.81
25+440.00		24.1421	20.00		22.4638		449.28	77.52	77.06	75.92
25+460.00		20.7854	20.00		20.3731		407.46	77.52	77.06	76.07
25+480.00		19.9607	20.00		17.4635		349.27	77.52	77.06	76.24
25+500.00		14.9662	20.00		12.3367		246.73	77.52	77.06	76.42
25+520.00		9.7071	20.00		8.5927		171.85	77.52	77.06	76.58
25+540.00		7.4783	20.00		6.8533		137.07	77.52	77.06	76.75
25+560.00		6.2283	20.00		5.7383		114.77	77.51	77.05	76.89
25+580.00		5.2483	20.00		4.6943		93.89	77.51	77.05	76.99
25+600.00		4.1402	20.00		4.4927		89.85	77.51	77.05	77.04
25+620.00		4.8452	20.00		5.4395		98.79	77.51	77.05	76.96
25+640.00		6.0337	20.00		6.1125		122.25	77.51	77.05	76.93

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
25+660.00		6.1912	20.00		6.6091		132.18	77.51	77.05	76.89
25+680.00		7.0270	20.00		7.5330		150.66	77.51	77.05	76.86
25+700.00		8.0390	20.00		8.5091		170.18	77.51	77.05	76.79
25+720.00		8.9792	20.00		9.3952		187.90	77.51	77.05	76.71
25+740.00		9.8112	20.00		10.6781		213.56	77.51	77.05	76.65
25+760.00		11.5450	20.00		12.1433		242.87	77.51	77.05	76.55
25+780.00		12.7415	20.00		12.6544		253.09	77.51	77.05	76.53
25+800.00		12.5672	20.00		13.2470		264.94	77.51	77.05	76.50
25+820.00		13.9268	20.00		13.5979		271.96	77.51	77.05	76.43
25+840.00		13.2689	20.00		13.0608		261.22	77.51	77.05	76.51
25+860.00		12.8527	20.00		12.7448		254.90	77.51	77.05	76.53
25+880.00		12.6368	20.00		12.7709		255.42	77.51	77.05	76.54
25+900.00		12.9049	20.00		12.7996		255.99	77.51	77.05	76.55
25+920.00		12.6943	20.00		13.4945		269.89	77.51	77.05	76.53
25+940.00		14.2946	20.00		14.7794		295.59	77.51	77.05	76.43
25+960.00		15.2641	20.00		15.7320		314.64	77.50	77.04	76.35
25+980.00		16.1999	20.00		17.8894		357.79	77.50	77.04	76.31
26+000.00		19.5789	20.00		19.7672		395.34	77.50	77.04	76.18
26+020.00		19.9555	20.00		20.7151		414.30	77.50	77.04	76.14
26+040.00		21.4747	20.00		21.5672		431.34	77.50	77.04	76.03
26+060.00		21.6596	20.00		21.6959		433.92	77.50	77.04	76.04
26+080.00		21.7322	20.00		22.3104		446.21	77.50	77.04	75.97
26+100.00		22.8886	20.00		23.8519		477.04	77.50	77.04	75.91
26+120.00		24.8151	20.00		26.1001		522.00	77.50	77.04	75.91
26+140.00		27.3851	20.00		27.2551		545.10	77.50	77.04	75.80
26+160.00		27.1250	20.00		27.0298		540.60	77.50	77.04	75.48
26+180.00		26.9346	20.00		26.3588		527.18	77.50	77.04	75.68
26+200.00		25.7829	20.00		25.4883		509.77	77.50	77.04	75.94
26+220.00		25.1937	20.00		26.3385		526.77	77.51	77.05	75.92
26+240.00		27.4832	20.00		27.6445		552.89	77.51	77.05	75.77
26+260.00		27.8057	20.00		27.6510		553.02	77.51	77.05	75.66
26+280.00		27.4963	20.00		27.7451		554.90	77.51	77.05	75.74
26+300.00		27.9938	20.00		28.9445		578.89	77.51	77.05	75.76
26+320.00		29.8951	20.00		29.6014		592.03	77.51	77.05	75.70
26+340.00		29.3076	20.00		29.8923		597.85	77.51	77.05	75.61
26+360.00		30.4769	20.00		31.1331		622.66	77.51	77.05	75.58
26+380.00		31.7893	20.00		31.9249		638.50	77.51	77.05	75.54
26+400.00		32.0605	20.00		31.1747		623.49	77.52	77.06	75.54
26+420.00		30.2889	20.00		30.6547		613.09	77.52	77.06	75.48
26+440.00		31.0205	20.00		31.1233		622.47	77.52	77.06	75.44
26+460.00		31.2261	20.00		32.3804		647.61	77.53	77.07	75.43
26+480.00		33.5347	20.00		34.4731		689.46	77.58	77.12	75.42
26+500.00		35.4115	20.00		35.7222		714.44	77.64	77.18	75.38
26+520.00		36.0329	20.00		36.8425		736.85	77.64	77.18	75.27
26+540.00		37.6521	20.00		37.8587		757.17	77.64	77.18	75.22
26+560.00		38.0653	20.00		38.6611		773.22	77.64	77.18	75.24
26+580.00		39.2568	20.00		40.4624		809.25	77.64	77.18	75.15
26+600.00		41.6680	20.00		40.0171		800.34	77.64	77.18	75.11
26+620.00		38.3661	20.00		41.5642		831.28	77.64	77.18	75.45
26+640.00		44.7623	20.00		25.9208		518.42	77.64	77.18	76.07
26+660.00		7.0792	20.00		26.1146		522.29	77.64	77.18	76.76
26+680.00		45.1499	20.00		47.1534		943.07	77.64	77.18	76.25
26+700.00		49.1568	20.00		45.0039		900.08	77.64	77.18	75.71
26+720.00		40.8510	20.00		41.1073		822.15	77.64	77.18	75.46
26+740.00		41.3636	20.00		38.7047		774.09	77.64	77.18	75.33
26+760.00		36.0458	20.00		34.4881		689.76	77.64	77.18	75.43
26+780.00		32.9303	20.00		32.1150		642.30	77.64	77.18	75.64
26+800.00		31.2997	20.00		30.3430		606.86	77.64	77.18	75.80
26+820.00		29.3863	20.00		29.2384		584.77	77.64	77.18	75.89
26+840.00		29.0905	20.00		29.1594		583.19	77.64	77.18	75.93
26+860.00		29.2283	20.00		27.2896		545.79	77.64	77.18	75.93
26+880.00		25.3508	20.00		24.9250		498.50	77.64	77.18	75.98
26+900.00		24.4992	20.00		22.9566		459.13	77.56	77.10	76.06
26+920.00		21.4140	20.00		20.9720		419.44	77.51	77.05	76.13

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
26+940.00		20.5300	20.00		20.6574		413.15	77.50	77.04	76.17
26+960.00		20.7848	20.00		21.2054		424.11	77.50	77.04	76.15
26+980.00		21.6260	20.00		23.4595		469.19	77.50	77.04	76.01
27+000.00		25.2929	20.00		27.1547		543.09	77.49	77.03	75.81
27+020.00		29.0164	20.00		27.9283		558.57	77.49	77.03	75.84
27+040.00		26.8401	20.00		28.6270		572.54	77.49	77.03	75.77
27+060.00		30.4139	20.00		28.9361		578.72	77.49	77.03	75.70
27+080.00		27.4582	20.00		27.4411		548.82	77.49	77.03	75.61
27+100.00		27.4240	20.00		26.6567		533.13	77.49	77.03	75.71
27+120.00		25.8893	20.00		27.0658		541.32	77.49	77.03	75.57
27+140.00		28.2423	20.00		28.0098		560.20	77.49	77.03	75.69
27+160.00		27.7772	20.00		29.1054		582.11	77.49	77.03	75.78
27+180.00		30.4336	20.00		29.2601		585.20	77.48	77.02	75.69
27+200.00		28.0866	20.00		23.3524		467.05	77.48	77.02	75.80
27+220.00		18.6182	20.00		23.4517		469.03	77.48	77.02	76.44
27+240.00		28.2852	20.00		28.8958		577.92	77.48	77.02	75.73
27+260.00		29.5063	20.00		29.6466		592.93	77.48	77.02	75.51
27+280.00		29.7868	20.00		28.8172		576.34	77.48	77.02	75.62
27+300.00		27.8475	20.00		27.0301		540.60	77.48	77.02	75.68
27+320.00		26.2127	20.00		25.7354		514.71	77.48	77.02	75.62
27+340.00		25.2581	20.00		24.9323		498.65	77.47	77.01	75.64
27+360.00		24.6064	20.00		23.0093		460.19	77.47	77.01	75.67
27+380.00		21.4121	20.00		22.2368		444.74	77.47	77.01	75.78
27+400.00		23.0614	20.00		21.9967		439.93	77.47	77.01	75.84
27+420.00		20.9319	20.00		20.4420		408.84	77.47	77.01	75.97
27+440.00		19.9520	20.00		20.6432		412.86	77.47	77.01	75.99
27+460.00		21.3343	20.00		20.6028		412.06	77.47	77.01	75.91
27+480.00		19.8713	20.00		17.5525		351.05	77.47	77.01	76.08
27+500.00		15.2336	20.00		15.1584		303.17	77.47	77.01	76.20
27+520.00		15.0832	20.00		15.3695		307.39	77.46	77.00	76.32
27+540.00		15.6557	20.00		15.7199		314.40	77.46	77.00	76.24
27+560.00		15.7841	20.00		16.2519		325.04	77.46	77.00	76.22
27+580.00		16.7197	20.00		16.4058		328.12	77.46	77.00	76.21
27+600.00		16.0919	20.00		15.9360		318.72	77.46	77.00	76.28
27+620.00		15.7800	20.00		16.1100		322.20	77.46	77.00	76.27
27+640.00		16.4399	20.00		16.6990		333.98	77.46	77.00	76.21
27+660.00		16.9580	20.00		16.9676		339.35	77.46	77.00	76.26
27+680.00		16.9771	20.00		17.2650		345.30	77.45	76.99	76.23
27+700.00		17.5528	20.00		20.0811		401.62	77.45	76.99	76.21
27+720.00		22.6093	20.00		20.5762		411.52	77.45	76.99	76.23
27+740.00		18.5431	20.00		19.0328		380.66	77.45	76.99	76.13
27+760.00		19.5225	20.00		18.0688		361.38	77.45	76.99	75.98
27+780.00		16.6150	20.00		18.0573		361.15	77.45	76.99	76.23
27+800.00		19.4996	20.00		20.5005		410.01	77.45	76.99	76.14
27+820.00		21.5014	20.00		21.5793		431.59	77.45	76.99	76.15
27+840.00		21.6571	20.00		21.6321		432.64	77.45	76.99	76.12
27+860.00		21.6070	20.00		21.7152		434.30	77.45	76.99	76.13
27+880.00		21.8233	20.00		22.1376		442.75	77.45	76.99	76.12
27+900.00		22.4518	80.00		23.2797		1,862.37	77.45	76.99	76.10
27+980.00		24.1075	20.00		24.7377		494.75	77.45	76.99	75.92
28+000.00		25.3678	20.00		27.1735		543.47	77.45	76.99	75.85
28+020.00		28.9792	20.00		27.8164		556.33	77.45	76.99	75.78
28+040.00		26.6536	20.00		25.7897		515.79	77.45	76.99	75.70
28+060.00		24.9258	20.00		21.0277		420.55	77.45	76.99	75.77
28+080.00		17.1295	20.00		19.9191		398.38	77.45	76.99	76.26
28+100.00		22.7086	20.00		25.3597		507.19	77.45	76.99	76.16
28+120.00		28.0107	20.00		27.9932		559.86	77.45	76.99	75.83
28+140.00		27.9756	20.00		29.1124		582.25	77.45	76.99	75.74
28+160.00		30.2491	20.00		29.6899		593.80	77.45	76.99	75.65
28+180.00		29.1306	20.00		28.4332		568.66	77.45	76.99	75.62
28+200.00		27.7358	20.00		27.1740		543.48	77.45	76.99	75.55
28+220.00		26.6122	20.00		26.2739		525.48	77.45	76.99	75.74
28+240.00		25.9356	20.00		25.2905		505.81	77.45	76.99	75.79
28+260.00		24.6453	20.00		24.4927		489.85	77.45	76.99	75.79