

PLANILLA DE METRADOS

PROY: MEJORAMIENTO DEL SERVICIO DE LA INFRAESTRUCTURA VIAL EN LA AV. PERÚ, TRAMO I (JR.MANTARO - JR. FRANCISCO PIZARRO) DE LA CIUDAD DE JULIACA, PROVINCIA DE SAN ROMAN - PUNO

COMPONENTE 02: CONSTRUCCION DE VEREDAS

Partida	Descripción	Und	N° veces	Medidas			Parcial	Total
				Largo	Ancho	Alto		
01.00.00	OBRAS PRELIMINARES							
01.01.00	TRAZO, NIVELACIÓN Y REPLANTEO							
01.01.01	TRAZO Y REPLANTEO DURANTE LA CONSTRUCCIÓN	M2						3632.42
	En veredas acabado coloreado - frotachado incluye rampas		1	Area=	3632.42	---	3632.42	
01.02.00	DEMOLICIONES							
01.02.01	DEMOLICION DE VEREDAS Y CUNETAS	M2						35.13
	Manzana (M-1)		1	Area=	14.49	---	14.49	
	Manzana (M-2)		1	Area=	20.64	---	20.64	
02.00.00	MOVIMIENTO DE TIERRAS							
02.01.00	EXCAVACIONES							
02.01.01	EXCAVACION EN FORMA MANUAL	M3						171.97
	En veredas acabado coloreado - frotachado incluye rampas		1	Area =	3439.38	0.05	171.97	
02.02.00	ACARREO Y ELIMINACION DE MATERIAL EXCEDENTE							
02.02.01	ACARREO DE MATERIAL EXCEDENTE	M3						214.96
	Volumen de excavación en forma manual		1.25	171.97	---	---	214.96	
02.02.02	CARGUIO Y ELIMINACION DE MATERIAL EXCEDENTE	M3						264.14
	Volumen de demolición de veredas		1.40	35.13	---	---	49.18	
	Volumen de excavación en forma manual		1.25	171.97	---	---	214.96	
02.03.00	NIVELADO Y COMPACTADO							
02.03.01	MATERIAL SELECCIONADO	M3						235.26
	Manzana (M-1)		1	Area=	145.63	0.05	7.28	
	Manzana (M-2)		1	Area=	170.59	0.05	8.53	
	Manzana (M-3)		1	Area=	123.62	0.05	6.18	
	Manzana (M-4)		1	Area=	160.29	0.05	8.01	
	Manzana (M-5)		1	Area=	555.79	0.05	27.79	
	Manzana (M-6)		1	Area=	130.99	0.05	6.55	
	Manzana (M-7)		1	Area=	128.44	0.05	6.42	
	Manzana (M-8)		1	Area=	125.29	0.05	6.26	
	Manzana (M-9)		1	Area=	46.27	0.05	2.31	
	Manzana (M-10)		1	Area=	165.29	0.05	8.26	
	Manzana (M-11)		1	Area=	318.58	0.05	15.93	
	Manzana (M-12)		1	Area=	183.28	0.05	9.16	
	Manzana (M-13)		1	Area=	207.30	0.05	10.37	
	Manzana (M-14)		1	Area=	199.92	0.05	10.00	
	Manzana (M-15)		1	Area=	160.45	0.05	8.02	
	Manzana (M-16)		1	Area=	174.40	0.05	8.72	
	Manzana (M-17)		1	Area=	146.27	0.05	7.31	
	Manzana (M-18)		1	Area=	137.29	0.05	6.86	

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Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Separador Central		1	Area=	48.72	0.05	2.44	
			1	Area=	48.27	0.05	2.41	
			1	Area=	47.82	0.05	2.39	
			1	Area=	48.72	0.05	2.44	
			1	Area=	48.72	0.05	2.44	
			1	Area=	48.72	0.05	2.44	
			1	Area=	48.72	0.05	2.44	
02.03.02	RELLENO MANUAL CON MATERIAL DE PRESTAMO	M3						226.21
	Del volumen de Material Seleccionado		1	Volum=	226.21	---	226.21	
02.03.03	NIVELADO Y COMPACTADO C/EQUIPO LIVIANO	M2						3619.38
	Manzana (M-1)		1	Area=	145.63	---	145.63	
	Manzana (M-2)		1	Area=	170.59	---	170.59	
	Manzana (M-3)		1	Area=	123.62	---	123.62	
	Manzana (M-4)		1	Area=	160.29	---	160.29	
	Manzana (M-5)		1	Area=	555.79	---	555.79	
	Manzana (M-6)		1	Area=	130.99	---	130.99	
	Manzana (M-7)		1	Area=	128.44	---	128.44	
	Manzana (M-8)		1	Area=	125.29	---	125.29	
	Manzana (M-9)		1	Area=	46.27	---	46.27	
	Manzana (M-10)		1	Area=	165.29	---	165.29	
	Manzana (M-11)		1	Area=	318.58	---	318.58	
	Manzana (M-12)		1	Area=	183.28	---	183.28	
	Manzana (M-13)		1	Area=	207.30	---	207.30	
	Manzana (M-14)		1	Area=	199.92	---	199.92	
	Manzana (M-15)		1	Area=	160.45	---	160.45	
	Manzana (M-16)		1	Area=	174.40	---	174.40	
	Manzana (M-17)		1	Area=	146.27	---	146.27	
	Manzana (M-18)		1	Area=	137.29	---	137.29	
	Separador Central		1	Area=	48.72	---	48.72	
			1	Area=	48.27	---	48.27	
			1	Area=	47.82	---	47.82	
			1	Area=	48.72	---	48.72	
			1	Area=	48.72	---	48.72	
			1	Area=	48.72	---	48.72	
			1	Area=	48.72	---	48.72	
03.00.00	CONCRETO SIMPLE							
03.01.00	SARDINELES							
03.01.01	SARDINELES: CONCRETO F'C=175 KG/CM2	M3						79.15

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Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Manzana (M-1)		1	59.07	0.15	0.41	3.63	
	Manzana (M-2)		1	58.92	0.15	0.41	3.62	
	Manzana (M-3)		1	44.61	0.15	0.41	2.74	
	Manzana (M-4)		1	44.85	0.15	0.41	2.76	
	Manzana (M-5)		1	153.36	0.15	0.41	9.43	
	Manzana (M-6)		1	43.03	0.15	0.41	2.65	
	Manzana (M-7)		1	49.33	0.15	0.41	3.03	
	Manzana (M-8)		1	50.85	0.15	0.41	3.13	
	Manzana (M-9)		1	19.60	0.15	0.41	1.21	
	Manzana (M-10)		1	51.04	0.15	0.41	3.14	
	Manzana (M-11)		1	99.44	0.15	0.41	6.12	
	Manzana (M-12)		1	59.41	0.15	0.41	3.65	
	Manzana (M-13)		1	67.10	0.15	0.41	4.13	
	Manzana (M-14)		1	66.57	0.15	0.41	4.09	
	Manzana (M-15)		1	55.47	0.15	0.41	3.41	
	Manzana (M-16)		1	59.69	0.15	0.41	3.67	
	Manzana (M-17)		1	50.92	0.15	0.41	3.13	
	Manzana (M-18)		1	44.44	0.15	0.41	2.73	
	Separador Central		1	29.98	0.15	0.41	1.84	
			1	29.78	0.15	0.41	1.83	
			1	29.58	0.15	0.41	1.82	
			1	29.98	0.15	0.41	1.84	
			1	29.98	0.15	0.41	1.84	
			1	29.98	0.15	0.41	1.84	
			1	29.98	0.15	0.41	1.84	
03.01.02	SARDINELES: ENCOFRADO Y DEENCOFRADO	M2						442.02
	Manzana (M-1)		1	59.07	---	0.31	18.31	
	Manzana (M-2)		1	58.92	---	0.31	18.27	
	Manzana (M-3)		1	44.61	---	0.31	13.83	
	Manzana (M-4)		1	44.85	---	0.31	13.90	
	Manzana (M-5)		1	153.36	---	0.31	47.54	
	Manzana (M-6)		1	43.03	---	0.31	13.34	
	Manzana (M-7)		1	49.33	---	0.31	15.29	
	Manzana (M-8)		1	50.85	---	0.31	15.76	
	Manzana (M-9)		1	19.60	---	0.31	6.08	
	Manzana (M-10)		1	51.04	---	0.31	15.82	
	Manzana (M-11)		1	99.44	---	0.31	30.83	
	Manzana (M-12)		1	59.41	---	0.31	18.42	
	Manzana (M-13)		1	67.10	---	0.31	20.80	
	Manzana (M-14)		1	66.57	---	0.31	20.64	
	Manzana (M-15)		1	55.47	---	0.31	17.20	

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Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Manzana (M-16)		1	59.69	---	0.31	18.50	
	Manzana (M-17)		1	50.92	---	0.31	15.79	
	Manzana (M-18)		1	44.44	---	0.31	13.78	
	Separaciones Para Junta de Dilatación		1	360.00	0.15	0.41	22.14	
	Separador Central		1	29.98	---	0.41	12.29	
			1	29.78	---	0.41	12.21	
			1	29.58	---	0.41	12.13	
			1	29.98	---	0.41	12.29	
			1	29.98	---	0.41	12.29	
			1	29.98	---	0.41	12.29	
			1	29.98	---	0.41	12.29	
03.01.03	SARDINELES: JUNTA ASFALTICA	M						158.67
	Manzana (M-1)		18	---	---	0.41	7.38	
	Manzana (M-2)		18	---	---	0.41	7.38	
	Manzana (M-3)		13	---	---	0.41	5.33	
	Manzana (M-4)		13	---	---	0.41	5.33	
	Manzana (M-5)		50	---	---	0.41	20.50	
	Manzana (M-6)		13	---	---	0.41	5.33	
	Manzana (M-7)		15	---	---	0.41	6.15	
	Manzana (M-8)		15	---	---	0.41	6.15	
	Manzana (M-9)		5	---	---	0.41	2.05	
	Manzana (M-10)		16	---	---	0.41	6.56	
	Manzana (M-11)		32	---	---	0.41	13.12	
	Manzana (M-12)		18	---	---	0.41	7.38	
	Manzana (M-13)		21	---	---	0.41	8.61	
	Manzana (M-14)		21	---	---	0.41	8.61	
	Manzana (M-15)		17	---	---	0.41	6.97	
	Manzana (M-16)		18	---	---	0.41	7.38	
	Manzana (M-17)		15	---	---	0.41	6.15	
	Manzana (M-18)		13	---	---	0.41	5.33	
	Separador Central		8	---	---	0.41	3.28	
			8	---	---	0.41	3.28	
			8	---	---	0.41	3.28	
			8	---	---	0.41	3.28	
			8	---	---	0.41	3.28	
			8	---	---	0.41	3.28	
03.02.00	VEREDAS							
03.02.01	VEREDAS: CONCRETO F'C=175 KG/CM2, E=10 CM. ACABAD	M2						1719.69

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Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Manzana (M-1)		0.5	Area=	145.63	---	72.82	
	Manzana (M-2)		0.5	Area=	170.59	---	85.30	
	Manzana (M-3)		0.5	Area=	123.62	---	61.81	
	Manzana (M-4)		0.5	Area=	160.29	---	80.15	
	Manzana (M-5)		0.5	Area=	555.79	---	277.90	
	Manzana (M-6)		0.5	Area=	130.99	---	65.50	
	Manzana (M-7)		0.5	Area=	128.44	---	64.22	
	Manzana (M-8)		0.5	Area=	125.29	---	62.65	
	Manzana (M-9)		0.5	Area=	46.27	---	23.14	
	Manzana (M-10)		0.5	Area=	165.29	---	82.65	
	Manzana (M-11)		0.5	Area=	318.58	---	159.29	
	Manzana (M-12)		0.5	Area=	183.28	---	91.64	
	Manzana (M-13)		0.5	Area=	207.30	---	103.65	
	Manzana (M-14)		0.5	Area=	199.92	---	99.96	
	Manzana (M-15)		0.5	Area=	160.45	---	80.23	
	Manzana (M-16)		0.5	Area=	174.40	---	87.20	
	Manzana (M-17)		0.5	Area=	146.27	---	73.14	
	Manzana (M-18)		0.5	Area=	137.29	---	68.65	
	Separador Central		0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.27	---	24.14	
			0.5	Area=	47.82	---	23.91	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
03.02.02	VEREDAS: CONCRETO F'C=175 KG/CM2, E=10 CM. ACABAD	M2						1719.69
	Manzana (M-1)		0.5	Area=	145.63	---	72.82	
	Manzana (M-2)		0.5	Area=	170.59	---	85.30	
	Manzana (M-3)		0.5	Area=	123.62	---	61.81	
	Manzana (M-4)		0.5	Area=	160.29	---	80.15	
	Manzana (M-5)		0.5	Area=	555.79	---	277.90	
	Manzana (M-6)		0.5	Area=	130.99	---	65.50	
	Manzana (M-7)		0.5	Area=	128.44	---	64.22	
	Manzana (M-8)		0.5	Area=	125.29	---	62.65	
	Manzana (M-9)		0.5	Area=	46.27	---	23.14	
	Manzana (M-10)		0.5	Area=	165.29	---	82.65	
	Manzana (M-11)		0.5	Area=	318.58	---	159.29	
	Manzana (M-12)		0.5	Area=	183.28	---	91.64	
	Manzana (M-13)		0.5	Area=	207.30	---	103.65	
	Manzana (M-14)		0.5	Area=	199.92	---	99.96	
	Manzana (M-15)		0.5	Area=	160.45	---	80.23	

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Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Manzana (M-16)		0.5	Area=	174.40	---	87.20	
	Manzana (M-17)		0.5	Area=	146.27	---	73.14	
	Manzana (M-18)		0.5	Area=	137.29	---	68.65	
	Separador Central		0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.27	---	24.14	
			0.5	Area=	47.82	---	23.91	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
			0.5	Area=	48.72	---	24.36	
03.02.03	VEREDAS: ENCOFRADO Y DESENCOFRADO	M2						129.28
	Manzana (M-1)		20	2.63	---	0.10	5.26	
	Manzana (M-2)		20	3.17	---	0.10	6.34	
	Manzana (M-3)		15	2.89	---	0.10	4.34	
	Manzana (M-4)		15	3.87	---	0.10	5.81	
	Manzana (M-5)		52	3.79	---	0.10	19.71	
	Manzana (M-6)		15	3.31	---	0.10	4.97	
	Manzana (M-7)		17	2.98	---	0.10	5.07	
	Manzana (M-8)		17	2.72	---	0.10	4.62	
	Manzana (M-9)		7	4.54	---	0.10	3.18	
	Manzana (M-10)		18	3.45	---	0.10	6.21	
	Manzana (M-11)		34	3.37	---	0.10	11.46	
	Manzana (M-12)		20	3.45	---	0.10	6.90	
	Manzana (M-13)		23	3.39	---	0.10	7.80	
	Manzana (M-14)		23	3.30	---	0.10	7.59	
	Manzana (M-15)		19	3.25	---	0.10	6.18	
	Manzana (M-16)		20	3.30	---	0.10	6.60	
	Manzana (M-17)		17	3.00	---	0.10	5.10	
	Manzana (M-18)		15	3.35	---	0.10	5.03	
	Separador Central		2	5.10	---	0.10	1.02	
			2	5.10	---	0.10	1.02	
			2	5.10	---	0.10	1.02	
			2	5.10	---	0.10	1.02	
			2	5.10	---	0.10	1.02	
			2	5.10	---	0.10	1.02	
			2	5.10	---	0.10	1.02	
03.02.04	VEREDAS: JUNTA ASFALTICA	M						1173.24
	Manzana (M-1)		18	2.63	---	---	47.34	
	Manzana (M-2)		18	3.17	---	---	57.06	

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Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Manzana (M-3)		13	2.89	---	---	37.57	
	Manzana (M-4)		13	3.87	---	---	50.31	
	Manzana (M-5)		50	3.79	---	---	189.50	
	Manzana (M-6)		13	3.31	---	---	43.03	
	Manzana (M-7)		15	2.98	---	---	44.70	
	Manzana (M-8)		15	2.72	---	---	40.80	
	Manzana (M-9)		5	4.54	---	---	22.70	
	Manzana (M-10)		16	3.45	---	---	55.20	
	Manzana (M-11)		32	3.37	---	---	107.84	
	Manzana (M-12)		18	3.45	---	---	62.10	
	Manzana (M-13)		21	3.39	---	---	71.19	
	Manzana (M-14)		21	3.30	---	---	69.30	
	Manzana (M-15)		17	3.25	---	---	55.25	
	Manzana (M-16)		18	3.30	---	---	59.40	
	Manzana (M-17)		15	3.00	---	---	45.00	
	Manzana (M-18)		13	3.35	---	---	43.55	
	Separador Central		2	5.10	---	---	10.20	
			2	5.10	---	---	10.20	
			2	5.10	---	---	10.20	
			2	5.10	---	---	10.20	
			2	5.10	---	---	10.20	
			2	5.10	---	---	10.20	
			2	5.10	---	---	10.20	
03.03.00	RAMPAS							
03.03.01	RAMPAS: CONCRETO F'C=175 KG/CM2, E=10 CM. BRUÑADO	M2						180.00
	RAMPA TIPO II							
	Manzana (M-1)		2	3.00	1.20	---	7.20	
	Manzana (M-2)		2	3.00	1.20	---	7.20	
	Manzana (M-3)		2	3.00	1.20	---	7.20	
	Manzana (M-4)		2	3.00	1.20	---	7.20	
	Manzana (M-5)		6	3.00	1.20	---	21.60	
	Manzana (M-6)		2	3.00	1.20	---	7.20	
	Manzana (M-7)		2	3.00	1.20	---	7.20	
	Manzana (M-8)		2	3.00	1.20	---	7.20	
	Manzana (M-9)		0	3.00	1.20	---	0.00	
	Manzana (M-10)		1	3.00	1.20	---	3.60	
	Manzana (M-11)		2	3.00	1.20	---	7.20	
	Manzana (M-12)		1	3.00	1.20	---	3.60	
	Manzana (M-13)		2	3.00	1.20	---	7.20	
	Manzana (M-14)		2	3.00	1.20	---	7.20	
	Manzana (M-15)		2	3.00	1.20	---	7.20	

PLANILLA DE METRADOS

PROY: MEJORAMIENTO DEL SERVICIO DE LA INFRAESTRUCTURA VIAL EN LA AV. PERÚ, TRAMO I (JR.MANTARO - JR. FRANCISCO PIZARRO) DE LA CIUDAD DE JULIACA, PROVINCIA DE SAN ROMAN - PUNO

COMPONENTE 02: CONSTRUCCION DE VEREDAS

Partida	Descripción	Und	N°	Medidas			Parcial	Total
			veces	Largo	Ancho	Alto		
	Manzana (M-16)		2	3.00	1.20	---	7.20	
	Manzana (M-17)		2	3.00	1.20	---	7.20	
	Manzana (M-18)		2	3.00	1.20	---	7.20	
	Separador Central		2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
			2	3.00	1.20	---	7.20	
03.03.02	RAMPAS: REJILLA METALICA	UND						36.00
	Numero de Rampas		36	---	---	---	36.00	
04.00.00	PRUEBAS DE CONTROL DE CALIDAD							
04.01.00	PRUEBAS Y ENSAYOS DE CONTROL DE CALIDAD	UND						1.00
			1	---	---	---	1.00	
05.00.00	MITIGACION DE IMPACTO AMBIENTAL							
05.01.00	ETAPA DE CONSTRUCCION							
05.01.01	RIEGO DE MATERIAL EN CANTERA	M3	1	23.53	---	---	23.53	23.53
05.02.00	ETAPA DE ABANDONO							
05.02.01	RECONFORMACION DE BOTADERO	HA	1	Area=	0.25	---	0.25	0.25
06.00.00	VARIOS, LIMPIEZA Y OTROS							
06.01.00	CURADO: SARDINELES, VEREDAS Y RAMPAS	M2						3632.42
			1	Area=	3632.42	---	3632.42	
06.02.00	NIVELACION DE CAJAS DE REGISTRO AGUA INSTALACION	UND						61.00
			61	---	---	---	61.00	
06.03.00	NIVELACION DE CAJAS DE REGISTRO DESAGUE INSTALAC	UND						61.00
			61	---	---	---	61.00	
06.04.00	LIMPIEZA FINAL DE OBRA	M2						3632.42
	Area de intervención		1	Area=	3632.42	---	3632.42	