



VIADUCTO

ESTUDIO DE PREINVERSIÓN A NIVEL DE PERFIL DE LA AV. SANTA ROSA (RUTA PE-20 I)
TRAMO: LA PAZ - ENRIQUE MEIGGS

METRADO DE MURO DE SUELO REFORZADO

ITEM	DESCRIPCIÓN	LONGITUD	ANCHO	AREAS (m2)	VOLUMEN (m3)	UNIDAD	METRADO
501.E	EXCAVACION NO CLASIFICADA PARA ESTRUCTURAS		14.00	627.42	8783.88	m3	8783.88
512.A	RELLENOS PARA ESTRUCTURAS CON MATERIAL PROPIO		14.00	217.61	3808.18	m3	3808.18
700.D1	ELIMINACION DE MATERIAL EXCEDENTE DE CORTE				6219.63	m3	6219.63
1500.A	MURO DE SUELO REFORZADO					m2	2664.79
1022.A	CARPETA ASFÁLTICA E=0.05 m	398.42	14.00			m2	5577.88
1102.A	MURO NEW JERSEY	398.42				m	398.42

METRADO DE MSR POR METRO CUADRADO

Material	Cantidad	Unidad	Cantidad / m2	unid / m2
PANEL DE CONCRETO PREMEZCLADO	2664.79	unid.	1.00	unid / m2
EPDM 20mm	4149.00	unid.	1.56	unid / m2
Geotrap-25 kN	32363.00	ml.	12.14	ml / m2
Geotrap-37.5kN	32213.00	ml.	12.09	ml / m2
Geotextil Clase 2	2468.00	m2.	0.93	m2 / m2
Empalme "S"	2250.00	unid.	0.84	unid / m2
Tub.Flexible Perf (4")	411.00	ml.	0.15	ml / m2
Tub.Flexible Perf (6")	1230.00	ml.	0.46	ml / m2
Geocompuesto de drenaje		ml.	0.00	ml / m2
Anclaje Post Tipo "U" ($\phi=1/2"$)	5240.00	unid.	1.97	unid / m2
CONCRETO F'C=175KG/CM2 DE SOLERA PARA LA BASE DEL MURO	66.15	m3	0.02	unid / m3
ENCOFRADO Y DESENCOFRADO LOSA DE NIVELACION	312.77	m2.	0.12	unid / m4
Área Total	2664.79	m2.		

Tipo de Paved	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	Dispersión	28 Kn			37.5 Kn			Total Conexiones	
														Long Total 1	Long Total 2	Long Total 3	Long Total 1	Long Total 2	Long Total 3		
6	5	150-	2	2	4					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	10
	2	150-	2	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	2
	1	150-	2	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	2
	1	150-	2	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	2
	1	150-	2	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	2
7	5	150-	2	2	3.5					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	10
	4	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8
	4	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8
	1	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
	1	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
8	2	150-	4	2	3.5					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8
	4	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8
	4	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8
	1	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
	1	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
9	3	150-	4	2	3.5					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12
	4	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8
	2	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
	2	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
	2	150-	4	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	4
10	6	150-	6	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12
	6	150-	6	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12
	6	150-	6	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12
	6	150-	6	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12
	6	150-	6	2	2					25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12

Long Cms - Subtotal		37.5 Kn		Long Cms - Total	
5807.2	5718.8	511.6	3218	0	0
10031.8	9820	211.8	2090	0	0



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ESTUDIO DE PREINVERSIÓN A NIVEL DE PERFIL DE LA AV. SANTA ROSA (RUTA PE-20 I)
TRAMO: LA PAZ - ENRIQUE MEIGGS

SUSTENTO DE METRADO DE MURO DE SUELO REFORZADO - AV. LA MARINA

Tipo de Perfil	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	25.50			37.50 MN			Total Concretos	
													Long	Total 1	Total 2	Total 3	Long	Total 1		Total 2
TSR-6	1	TSR-6	6	2	4	2	5	2	4	25.5M	25.5M	25.5M	0	16.8	16.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	5	2	5	2	4.5	25.5M	25.5M	25.5M	0	20.8	20.8	18.8	0	0	0	6
TSR-6	3	TSR-6	6	2	6	2	6	2	5.5	25.5M	25.5M	25.5M	0	99.2	99.2	0	0	0	0	24
TSR-6	1	TSR-6	6	2	7	2	6	2	6	25.5M	25.5M	25.5M	0	74.4	74.4	0	0	0	0	18
TSR-6	1	TSR-6	6	2	7	2	7	2	7	25.5M	25.5M	25.5M	0	25.8	25.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	6	2	6	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	5.5	2	5.5	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	16.8	16.8	0	0	0	0	6
TSR-6	2	TSR-6	6	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	29.6	29.6	0	0	0	0	12
TSR-6	20	TSR-6	6	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	48.5	48.5	0	0	0	0	12

Tipo de Perfil	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	25.50			37.50 MN			Total Concretos	
													Long	Total 1	Total 2	Total 3	Long	Total 1		Total 2
TSR-2	4	TSR-2	2	2	4	2	3	2	4	37.5M	37.5M	37.5M	0	67.2	67.2	0	0	0	0	12
TSR-2	5	TSR-2	2	2	4.5	2	5	2	4.5	37.5M	37.5M	37.5M	0	94	94	0	0	0	0	10
TSR-2	5	TSR-2	2	2	5.5	2	6	2	5.5	37.5M	37.5M	37.5M	0	114	114	0	0	0	0	10
TSR-2	6	TSR-2	2	2	6	2	7	2	6	37.5M	37.5M	37.5M	0	132	132	0	0	0	0	12
TSR-2	10	TSR-2	3	2	8	2	8	2	8	37.5M	37.5M	37.5M	0	318	318	0	0	0	0	20
TSR-2	4	TSR-2	2	2	7	2	7	2	7	37.5M	37.5M	37.5M	0	110.2	110.2	0	0	0	0	8
TSR-2	5	TSR-2	2	2	6	2	6	2	6	37.5M	37.5M	37.5M	0	124	124	0	0	0	0	10
TSR-2	6	TSR-2	2	2	5.5	2	5.5	2	5.5	37.5M	37.5M	37.5M	0	136.8	136.8	0	0	0	0	12
TSR-2	4	TSR-2	2	2	4	2	4	2	4	37.5M	37.5M	37.5M	0	103.8	103.8	0	0	0	0	12
TSR-2	66	TSR-2	4	2	3.5	2	3.5	2	3.5	37.5M	37.5M	37.5M	0	259.6	259.6	0	0	0	0	4

Tipo de Perfil	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	25.50			37.50 MN			Total Concretos	
													Long	Total 1	Total 2	Total 3	Long	Total 1		Total 2
TSR-4	5	TSR-4	4	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	14.8	14.8	0	0	0	0	20
TSR-4	4	TSR-4	4	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	99.2	99.2	0	0	0	0	16
TSR-4	1	TSR-4	4	2	7	2	7	2	7	25.5M	25.5M	25.5M	0	28.8	28.8	0	0	0	0	4
TSR-4	1	TSR-4	4	2	5	2	5	2	5	25.5M	25.5M	25.5M	0	20.8	20.8	0	0	0	0	4
TSR-4	2	TSR-4	4	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	4
TSR-4	1	TSR-4	4	2	5.5	2	5.5	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	4
TSR-4	1	TSR-4	4	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	20.8	20.8	0	0	0	0	4
TSR-4	1	TSR-4	4	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	16.8	16.8	0	0	0	0	4
TSR-4	2	TSR-4	4	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	29.6	29.6	0	0	0	0	4
TSR-4	19	TSR-4	4	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	44.4	44.4	0	0	0	0	8

Tipo de Perfil	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	25.50			37.50 MN			Total Concretos	
													Long	Total 1	Total 2	Total 3	Long	Total 1		Total 2
TSR-6	1	TSR-6	6	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	14.8	14.8	0	0	0	0	6
TSR-6	2	TSR-6	6	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	33.6	33.6	0	0	0	0	12
TSR-6	1	TSR-6	6	2	5	2	5	2	4.5	25.5M	25.5M	25.5M	0	20.8	20.8	18.8	0	0	0	6
TSR-6	1	TSR-6	6	2	6	2	6	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	2	TSR-6	6	2	7	2	7	2	7	25.5M	25.5M	25.5M	0	49.6	49.6	0	0	0	0	12
TSR-6	1	TSR-6	6	2	7	2	7	2	7	25.5M	25.5M	25.5M	0	28.8	28.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	6	2	6	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	1	TSR-6	6	2	5.5	2	5.5	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	6
TSR-6	2	TSR-6	6	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	20.8	20.8	18.8	0	0	0	6
TSR-6	2	TSR-6	6	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	33.6	33.6	0	0	0	0	12
TSR-6	17	TSR-6	6	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	14.8	14.8	0	0	0	0	6

Tipo de Perfil	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	25.50			37.50 MN			Total Concretos	
													Long	Total 1	Total 2	Total 3	Long	Total 1		Total 2
TSR-4	1	TSR-4	4	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	14.8	14.8	0	0	0	0	4
TSR-4	2	TSR-4	4	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	33.6	33.6	0	0	0	0	8
TSR-4	1	TSR-4	4	2	5	2	5	2	4.5	25.5M	25.5M	25.5M	0	20.8	20.8	18.8	0	0	0	4
TSR-4	4	TSR-4	4	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	99.2	99.2	0	0	0	0	16
TSR-4	1	TSR-4	4	2	7	2	7	2	7	25.5M	25.5M	25.5M	0	28.8	28.8	0	0	0	0	4
TSR-4	2	TSR-4	4	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	49.6	49.6	0	0	0	0	4
TSR-4	1	TSR-4	4	2	6	2	6	2	6	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	4
TSR-4	1	TSR-4	4	2	5.5	2	5.5	2	5.5	25.5M	25.5M	25.5M	0	24.8	24.8	0	0	0	0	4
TSR-4	3	TSR-4	4	2	4	2	4	2	4	25.5M	25.5M	25.5M	0	20.8	20.8	18.8	0	0	0	4
TSR-4	20	TSR-4	4	2	3.5	2	3.5	2	3.5	25.5M	25.5M	25.5M	0	44.4	44.4	0	0	0	0	12

Material	Quantificadora	Desperdicio	Cantidad	Unidad	Area (m2)	Volumen (m3)
T58-2	64	0.00%	64.00	unid.	1.125	0.1525
T58-4	19	0.00%	19.00	unid.	1.41	0.1974
T51-4	17	0.00%	17.00	unid.	2.82	0.3948
T51-4	20	0.00%	20.00	unid.	1.7	0.238
T54-4	34	0.00%	34.00	unid.	1.98	0.2772
T54-2	21	0.00%	21.00	unid.	2.25	0.315
T54-2	20	0.00%	20.00	unid.	2.85	0.315
T54-2	20	0.00%	20.00	unid.	1.125	0.1975
Conector Geotextil	2123	2.00%	2166.00	unid.		
EPDM 20mm	1665	0.00%	1665.00	unid.		
Geotrop-25 RN	10994	10.00%	12093.00	ml.		
Geotrop-27 RN	13468.6	10.00%	15036.00	ml.		
Geotrop 50A-50RN	0	10.00%	0.00	ml.		
Geotextil Geot 2	919.16	10.00%	1012.00	m2.		
Empalme "S"	886	2.00%	1037.00	unid.		
Tubo PVC 10" (1)	170	5.00%	177.00	m.		
Tubo PVC 10" (2)	390.00	5.00%	409.50	m.		
Geocompuesto de Geotextil	12115.25	10.00%	13377.00	ml.		
Arreglo Past "Tipo "J" (φ=3/8")		5.00%	6.00	ml.		
Buena Andador Past (φ=3m y φ=1/2")		2.00%	0.00	unid.		
Arreglo Past "Tipo "V" (φ=1/2")	2123	2.00%	2166.00	unid.		
Area Total					11.04.77	

VIADUCTO

ESTUDIO DE PRELIMINAR NIVEL DE PERFIL DE LA AV. SANTA ROSA (RUTA PE-20 I)
TRAMO: LA PAZ - ENRIQUE MEGGS

SUSTENTO DE METRADO DE MURO DE SUELO REFORZADO - RAMPAS DE ACCESO

Tipo de Panel	Count	Nombre	Núm	A1	L1	A2	L2	A3	L3	R1	R2	R3	Dependencia	25 Mn			37.5 Mn			Total Conectores		
														Long Total 1	Long Total 2	Long Total 3	Long Total 1	Long Total 2	Long Total 3			
15E-6	2	15E-6	6	2	6	2	6	2	6	25MN	25MN	25MN	0.2	49.6	49.6	0	0	0	0	0	12	
15E-6	6	15E-6	6	2	6	2	6	2	6	25MN	25MN	25MN	0.2	49.6	49.6	0	0	0	0	0	12	
15E-6	1	15E-6	6	2	4	2	4	2	4	25MN	25MN	25MN	0.2	16.8	16.8	0	0	0	0	0	6	
15E-6	2	15E-6	6	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	29.6	29.6	0	0	0	0	0	12	
15E-6	2	15E-6	6	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	29.6	29.6	0	0	0	0	0	12	
15E-6	1	15E-6	6	2	4	2	4	2	4	25MN	25MN	25MN	0.2	16.8	16.8	0	0	0	0	0	6	
15E-6	1	15E-6	6	2	4	2	4	2	4	25MN	25MN	25MN	0.2	16.8	16.8	0	0	0	0	0	6	
15E-6	1	15E-6	6	2	4	2	4	2	4	25MN	25MN	25MN	0.2	16.8	16.8	0	0	0	0	0	6	
15E-6	1	15E-6	6	2	4	2	4	2	4	25MN	25MN	25MN	0.2	16.8	16.8	0	0	0	0	0	6	
15E-6	1	15E-6	6	2	4	2	4	2	4	25MN	25MN	25MN	0.2	16.8	16.8	0	0	0	0	0	6	
15E-6	19	15E-6	6	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	29.6	29.6	0	0	0	0	0	12	
15E-6	6	15E-6	2	2	6	2	6	2	6	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12	
15E-6	5	15E-6	2	2	5.5	2	5.5	2	5.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	10	
15E-6	7	15E-6	2	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	14	
15E-6	5	15E-6	2	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	10	
15E-6	4	15E-6	2	2	4	2	4	2	4	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8	
15E-6	4	15E-6	3	2	4.5	2	4.5	2	4.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	8	
15E-6	8	15E-6	2	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	16	
15E-6	2	15E-6	2	2	4.5	2	4.5	2	4.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	10	
15E-6	5	15E-6	2	2	7	2	7	2	7	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	2	
15E-6	3	15E-6	2	2	6	2	6	2	6	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	6	
15E-6	3	15E-6	2	2	6	2	6	2	6	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	6	
15E-6	3	15E-6	2	2	4.5	2	4.5	2	4.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	6	
15E-6	3	15E-6	2	2	4	2	4	2	4	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	6	
15E-6	6	15E-6	2	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	0	0	0	0	0	0	0	12	
15E-6	70	15E-6	2	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	88.8	88.8	0	0	0	0	0	0	12
15E-6	2	15E-6	4	2	6	2	6	2	6	25MN	25MN	25MN	0.2	49.6	49.6	0	0	0	0	0	0	8
15E-6	5	15E-6	4	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	74	74	0	0	0	0	0	0	20
15E-6	3	15E-6	4	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	44.4	44.4	0	0	0	0	0	0	12
15E-6	1	15E-6	4	2	5	2	5	2	5	25MN	25MN	25MN	0.2	20.8	20.8	0	0	0	0	0	0	4
15E-6	1	15E-6	4	2	6	2	6	2	6	25MN	25MN	25MN	0.2	24.8	24.8	0	0	0	0	0	0	4
15E-6	2	15E-6	4	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	29.6	29.6	0	0	0	0	0	0	4
15E-6	3	15E-6	4	2	6	2	6	2	6	25MN	25MN	25MN	0.2	29.6	29.6	0	0	0	0	0	0	8
15E-6	3	15E-6	4	2	6	2	6	2	6	25MN	25MN	25MN	0.2	29.6	29.6	0	0	0	0	0	0	8
15E-6	6	15E-6	4	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	88.8	88.8	0	0	0	0	0	0	24
15E-6	2	15E-6	6	2	6	2	6	2	6	25MN	25MN	25MN	0.2	49.6	49.6	0	0	0	0	0	0	6
15E-6	2	15E-6	6	2	6	2	6	2	6	25MN	25MN	25MN	0.2	49.6	49.6	0	0	0	0	0	0	12
15E-6	14	15E-6	6	2	3.5	2	3.5	2	3.5	25MN	25MN	25MN	0.2	14.8	14.8	0	0	0	0	0	0	6

Tipo de Panel	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	Dependencia	37.5 Km			Total Conexiones		
														Long Total 1	Long Total 2	Long Total 3	Long Total 1	Long Total 2	Long Total 3
154H-2	1	154H-2	2	2	4					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	0
154H-2	1	154H-2	2	2	3.5					25.0M	25.0M	25.0M	1.2	0	0	0	0	0	0
154H-2	1	154H-2	2	2	3.5					25.0M	25.0M	25.0M	14.8	0	0	0	0	0	0
154H-2	1	154H-2	2	2	4					25.0M	25.0M	25.0M	20.8	0	0	0	0	0	0
154H-2	3	154H-2	2	2	3.5					25.0M	25.0M	25.0M	44.4	0	0	0	0	0	0
154H-2	1	154H-2	2	2	3.5					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	0
154H-2	2	154H-2	2	2	7					25.0M	25.0M	25.0M	27.6	0	0	0	0	0	0
154H-2	2	154H-2	2	2	5					25.0M	25.0M	25.0M	41.6	0	0	0	0	0	0
154H-2	2	154H-2	2	2	6					25.0M	25.0M	25.0M	41.6	0	0	0	0	0	0
154H-2	1	154H-2	2	2	4					25.0M	25.0M	25.0M	16.8	0	0	0	0	0	0
154H-2	2	154H-2	2	2	3.5					25.0M	25.0M	25.0M	29.6	0	0	0	0	0	0
154H-2	22	154H-2	2	2	3.5					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	0

Tipo de Panel	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	Dependencia	37.5 Km			Total Conexiones		
														Long Total 1	Long Total 2	Long Total 3	Long Total 1	Long Total 2	Long Total 3
156-A	3	156-A	4	2	6					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	
156-A	1	156-A	4	2	4					25.0M	25.0M	25.0M	16.8	0	0	0	0	0	
156-A	2	156-A	4	2	3.5					25.0M	25.0M	25.0M	29.6	0	0	0	0	0	
156-A	1	156-A	4	2	4					25.0M	25.0M	25.0M	16.8	0	0	0	0	0	
156-A	1	156-A	4	2	5					25.0M	25.0M	25.0M	20.8	0	0	0	0	0	
156-A	2	156-A	4	2	3.5					25.0M	25.0M	25.0M	29.6	0	0	0	0	0	
156-A	2	156-A	4	2	5					25.0M	25.0M	25.0M	41.6	0	0	0	0	0	
156-A	2	156-A	4	2	5					25.0M	25.0M	25.0M	41.6	0	0	0	0	0	
156-A	2	156-A	4	2	3.5					25.0M	25.0M	25.0M	29.6	0	0	0	0	0	
156-A	18	156-A	4	2	3.5					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	

Tipo de Panel	Count	Name	Num	A1	L1	A2	L2	A3	L3	R1	R2	R3	Dependencia	37.5 Km			Total Conexiones		
														Long Total 1	Long Total 2	Long Total 3	Long Total 1	Long Total 2	Long Total 3
150-2	1	150-2	2	2	4					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	
150-2	2	150-2	2	2	3.5					25.0M	25.0M	25.0M	16.8	0	0	0	0	0	
150-2	1	150-2	2	2	3.5					25.0M	25.0M	25.0M	29.6	0	0	0	0	0	
150-2	1	150-2	2	2	4					25.0M	25.0M	25.0M	14.8	0	0	0	0	0	
150-2	1	150-2	2	2	3.5					25.0M	25.0M	25.0M	44.4	0	0	0	0	0	
150-2	2	150-2	2	2	5					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	
150-2	1	150-2	2	2	7					25.0M	25.0M	25.0M	27.6	0	0	0	0	0	
150-2	2	150-2	2	2	5					25.0M	25.0M	25.0M	41.6	0	0	0	0	0	
150-2	1	150-2	2	2	4					25.0M	25.0M	25.0M	16.8	0	0	0	0	0	
150-2	1	150-2	2	2	3.5					25.0M	25.0M	25.0M	29.6	0	0	0	0	0	
150-2	15	150-2	2	2	3.5					25.0M	25.0M	25.0M	0.2	0	0	0	0	0	

