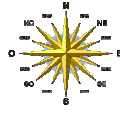
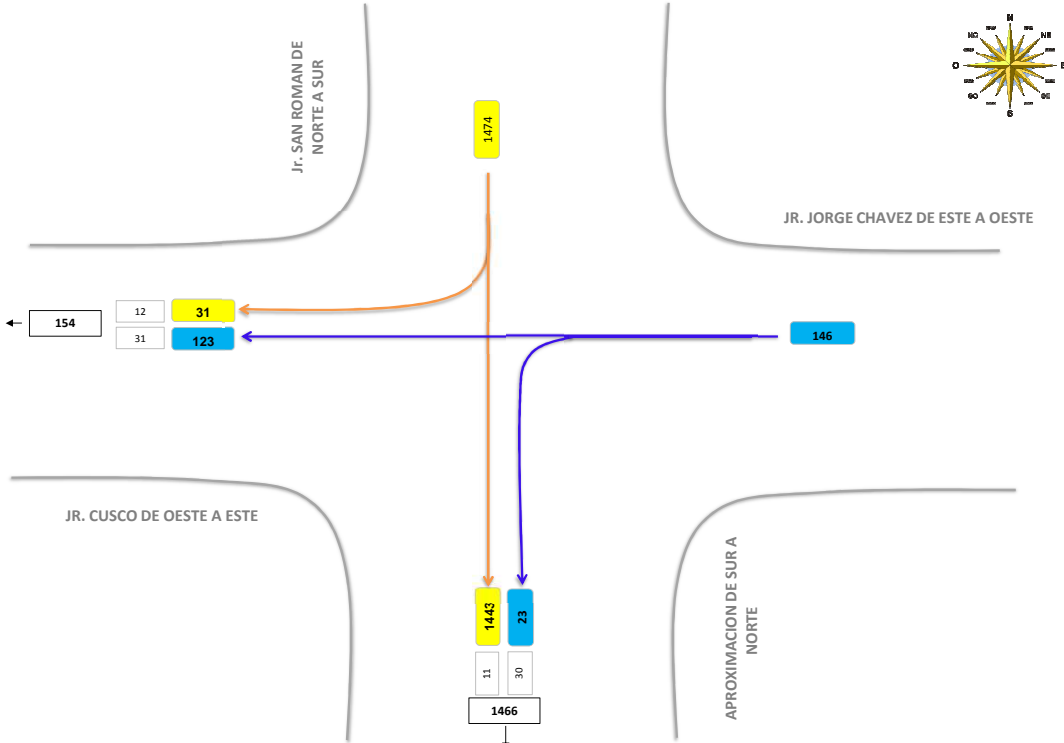


ANEXO 4

ANÁLISIS DE CAPACIDAD VIAL

FLUJOGRAMA VEHICULAR CLASIFICADO

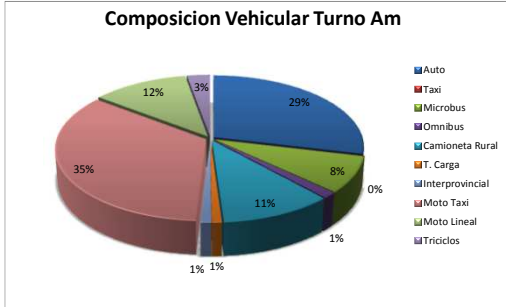
Interseccion	JR. SAN ROMAN - JR. JORGE CHAVEZ	Distrito	JULIACA
Fecha	22/08/2016	Turno	Am
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1619	Hora pico de la interseccion	8:00 A 9:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	368	7	0	0	0	0	0	9	67	0	0	0	0	0	0	451	29%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	8%
Omnibus	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	1%
Camioneta Rural	0	166	0	0	0	0	0	0	0	2	0	0	0	0	0	0	168	11%
T. Carga	0	12	0	0	0	0	0	0	3	0	0	0	0	0	0	0	15	1%
Interprovincial	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1%
Moto Taxi	0	457	20	0	0	0	0	0	8	57	0	0	0	0	0	0	542	35%
Moto Lineal	0	153	18	0	0	0	0	0	3	11	0	0	0	0	0	0	185	12%
Triciclos	0	39	2	0	0	0	0	0	0	3	0	0	0	0	0	0	44	3%
Total Vehiculos	0	1360	47	0	0	0	0	0	23	140	0	0	0	0	0	0	1570	100%
UCP	0	1443	31	0	0	0	0	0	23	123	0	0	0	0	0	0	1619	
Factor HP	0.00	0.95	0.73	0.00	0.00	0.00	0.00	0.00	0.82	0.88	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

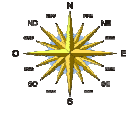
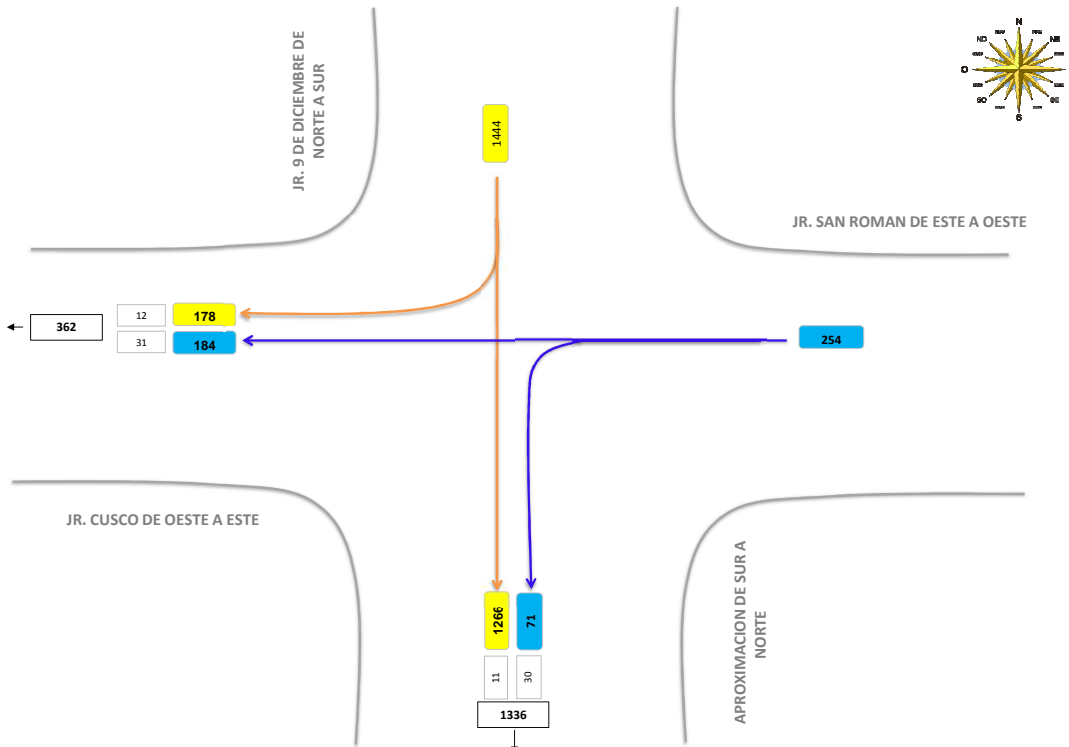
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	368	7	0	0	0	0	0	9	67	0	0	0	0	0	0	451	29%
Transporte Publico	0	294	0	0	0	0	0	0	0	2	0	0	0	0	0	0	296	19%
Transporte Pesado	0	12	0	0	0	0	0	0	3	0	0	0	0	0	0	0	15	1%
Interprovincial	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1%
Vehiculos Menores	0	649	40	0	0	0	0	0	11	71	0	0	0	0	0	0	770.5	50%
Total	0	1339	47	0	0	0	0	0	23	140	0	0	0	0	0	0	1548.5	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0		0.46894		
	11	1443	2	0.95	685.247				
	12	31	2	0.73	11.1255				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
	22	0	2	0.00	0				
II	30	23	2	0.82	9.29446		0.51149	6	28.6586
	31	123	2	0.88	53.8956				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

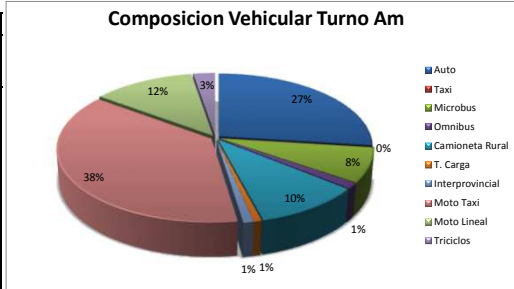
Interseccion	JR.SAN ROMAN-JR. 9 DE DICIEMBRE	Distrito	JULIACA
Fecha	22/08/2016	Turno	Am
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1698	Hora pico de la interseccion	8:00 A 9:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	296	72	0	0	0	0	0	29	56	0	0	0	0	0	0	453	27%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	8%
Omnibus	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	1%
Camioneta Rural	0	166	0	0	0	0	0	0	0	3	0	0	0	0	0	0	169	10%
T. Carga	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1%
Interprovincial	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1%
Moto Taxi	0	340	117	0	0	0	0	0	48	126	0	0	0	0	0	0	631	38%
Moto Lineal	0	128	25	0	0	0	0	0	3	49	0	0	0	0	0	0	205	12%
Triciclos	0	39	1	0	0	0	0	0	1	3	0	0	0	0	0	0	44	3%
Total Vehiculos	0	1146	215	0	0	0	0	0	81	237	0	0	0	0	0	0	1679	100%
UCP	0	1266	178	0	0	0	0	0	71	184	0	0	0	0	0	0	1698	
Factor HP	0.00	0.94	0.98	0.00	0.00	0.00	0.00	0.00	0.88	0.90	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	296	72	0	0	0	0	0	29	56	0	0	0	0	0	0	453	27%
Transporte Publico	0	294	0	0	0	0	0	0	0	3	0	0	0	0	0	0	297	18%
Transporte Pesado	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1%
Interprovincial	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1%
Vehiculos Menores	0	507	143	0	0	0	0	0	52	178	0	0	0	0	0	0	880	53%
Total	0	1125	215	0	0	0	0	0	81	237	0	0	0	0	0	0	1658	100%

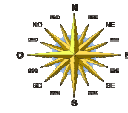
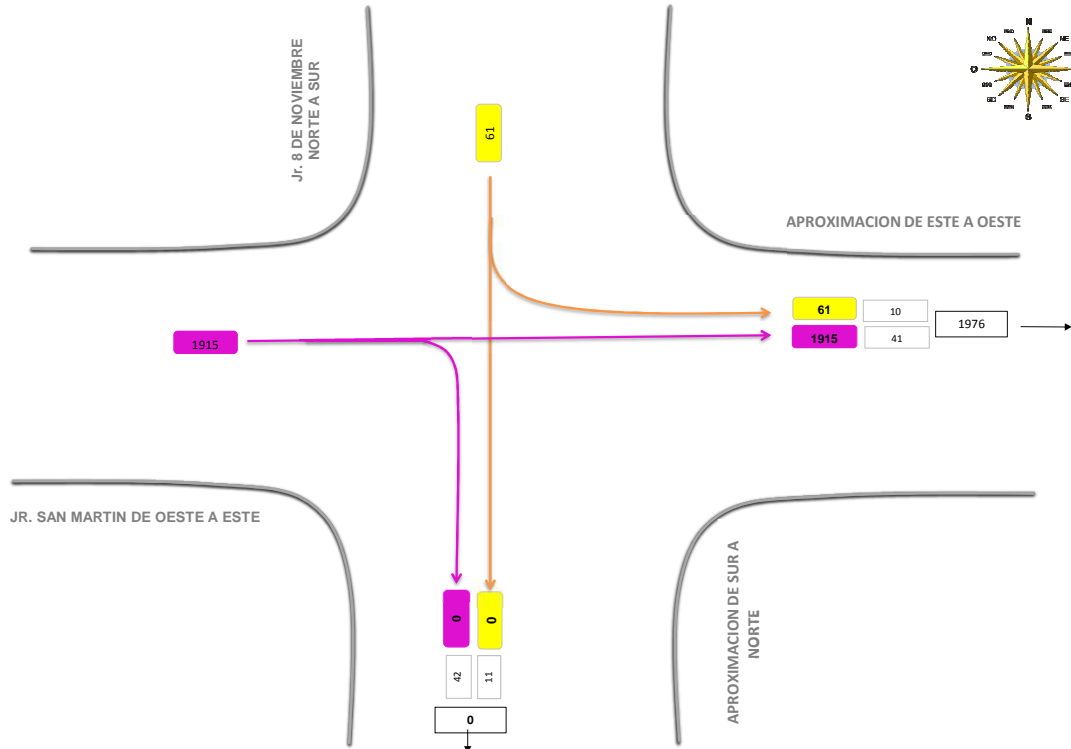
Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0		0.45761		
	11	1266	2	0.94	592.517				
	12	178	2	0.98	87.031				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0		0.534	6	30.0427
	30	71	2	0.88	31.0705				
	31	184	2	0.90	82.3665				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

Interseccion: JR. SAN MARTIN - JR.8 DE NOVIEMBRE
Fecha: 22/08/2016
Dia: LUNES
Flujo vehicular en Hora Pico: 1976

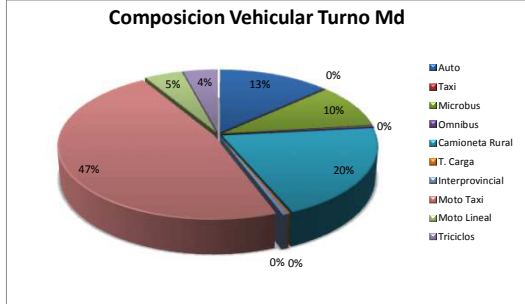
Distrito: JULIACA Md
Turno: Hora Pico del Sistema
Hora pico de la interseccion: 12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	18	0	0	0	0	0	0	0	0	0	0	0	0	223	0	0	241	13%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	178	0	0	178	10%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	0	0	0	0	367	0	0	367	20%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0%
Interprovincial	2	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	9	0%
Moto Taxi	45	0	0	0	0	0	0	0	0	0	0	0	0	809	0	0	854	47%
Moto Lineal	1	0	0	0	0	0	0	0	0	0	0	0	0	81	0	0	82	5%
Triciclos	3	0	0	0	0	0	0	0	0	0	0	0	0	72	0	0	75	4%
Total Vehiculos	69	0	0	0	0	0	0	0	0	0	0	0	0	1746	0	0	1815	100%
UCP	61	0	0	0	0	0	0	0	0	0	0	0	0	1915	0	0	1976	
Factor HP	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%		

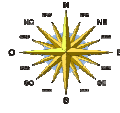
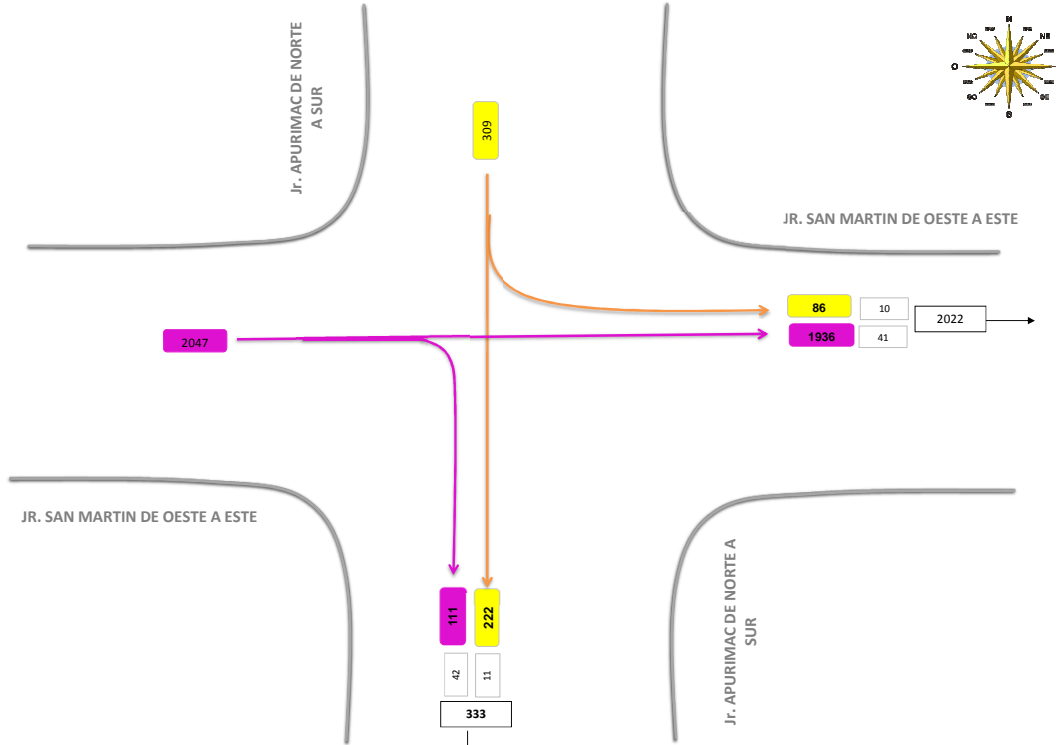
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	18	0	0	0	0	0	0	0	0	0	0	0	0	223	0	0	241	13%
Transporte Publico	0	0	0	0	0	0	0	0	0	0	0	0	0	550	0	0	550	30%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0%
Interprovincial	2	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	9	0%
Vehiculos Menores	49	0	0	0	0	0	0	0	0	0	0	0	0	962	0	0	1011	56%
Total	69	0	0	0	0	0	0	0	0	0	0	0	0	1746	0	0	1814.8	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	61	2	0.82	25.0248	0.01685	0.63281	6	38.1278
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.61596	0.63281	6	38.1278
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	1915	2	0.96	914.704				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

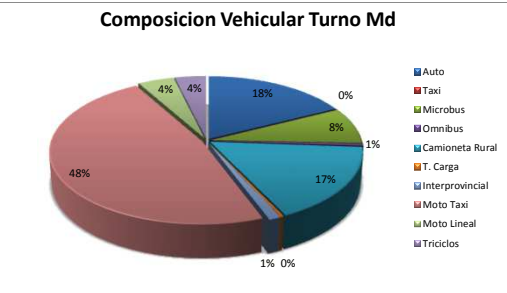
Intersección	Jr. SAN MARTIN - Jr. APURIMAC	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	2355	Hora pico de la intersección	12:00 A 13:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	45	80	0	0	0	0	0	0	0	0	0	0	0	223	41	0	389	18%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	178	0	0	178	8%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	1%
Camioneta Rural	1	1	0	0	0	0	0	0	0	0	0	0	0	367	1	0	370	17%
T. Carga	1	1	0	0	0	0	0	0	0	0	0	0	0	4	1	0	7	0%
Interprovincial	1	1	0	0	0	0	0	0	0	0	0	0	0	7	16	0	25	1%
Moto Taxi	42	160	0	0	0	0	0	0	0	0	0	0	0	809	41	0	1052	48%
Moto Lineal	2	7	0	0	0	0	0	0	0	0	0	0	0	81	7	0	97	4%
Triciclos	1	3	0	0	0	0	0	0	0	0	0	0	0	72	8	0	84	4%
Total Vehículos	93	253	0	0	0	0	0	0	0	0	0	0	0	1753	115	0	2214	100%
UCP	86	222	0	0	0	0	0	0	0	0	0	0	0	1936	111	0	2355	
Factor HP	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.85	0.00		
% de Pesados	1.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.9%	0.0%		

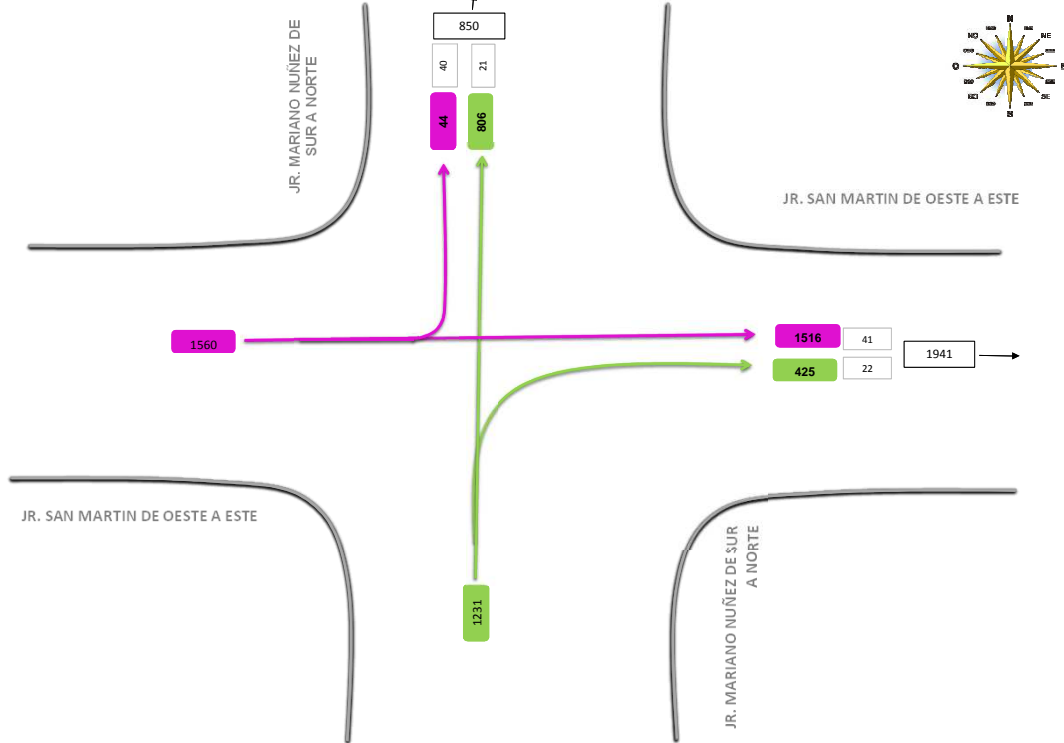
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	45	80	0	0	0	0	0	0	0	0	0	0	0	223	41	0	389	18%
Transporte Público	1	1	0	0	0	0	0	0	0	0	0	0	0	557	1	0	560	25%
Transporte Pesado	1	1	0	0	0	0	0	0	0	0	0	0	0	4	1	0	7	0%
Interprovincial	1	1	0	0	0	0	0	0	0	0	0	0	0	7	16	0	25	1%
Vehículos Menores	45	170	0	0	0	0	0	0	0	0	0	0	0	962	56	0	1233	56%
Total	93	253	0	0	0	0	0	0	0	0	0	0	0	1753	115	0	2213.8	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	86	2	0.93	40.1156	0.09564	0.74969	6	55.9306
	11	222	2	0.92	101.915				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.65405	0.74969	6	55.9306
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	1936	2	0.95	924.396				
	42	111	2	0.85	46.8625				



FLUJOGRAMA VEHICULAR CLASIFICADO

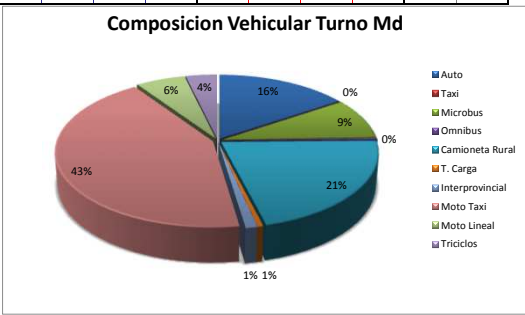
Interseccion	JR. SAN MARTIN - JR. MARIANO NUÑEZ	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	2791	Hora pico de la interseccion	12:15 A 13:15



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	157	80	0	0	0	0	0	2	160	0	0	399	16%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	47	30	0	0	0	0	0	0	149	0	0	226	9%
Omnibus	0	0	0	0	0	3	0	0	0	0	0	0	0	5	0	0	8	0%
Camioneta Rural	0	0	0	0	0	174	35	0	0	0	0	0	4	333	0	0	546	21%
T. Carga	0	0	0	0	0	9	0	0	0	0	0	0	0	4	0	0	13	1%
Interprovincial	0	0	0	0	0	23	0	0	0	0	0	0	0	4	0	0	27	1%
Moto Taxi	0	0	0	0	0	237	240	0	0	0	0	0	40	581	0	0	1098	43%
Moto Lineal	0	0	0	0	0	54	45	0	0	0	0	0	1	49	0	0	149	6%
Triciclos	0	0	0	0	0	24	25	0	0	0	0	0	3	42	0	0	94	4%
Total Vehiculos	0	0	0	0	0	728	455	0	0	0	0	0	50	1327	0	0	2560	100%
UCP	0	0	0	0	0	806	425	0	0	0	0	0	44	1516	0	0	2791	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.87	0.88	0.00	0.00	0.00	0.00	0.00	0.89	0.99	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%		

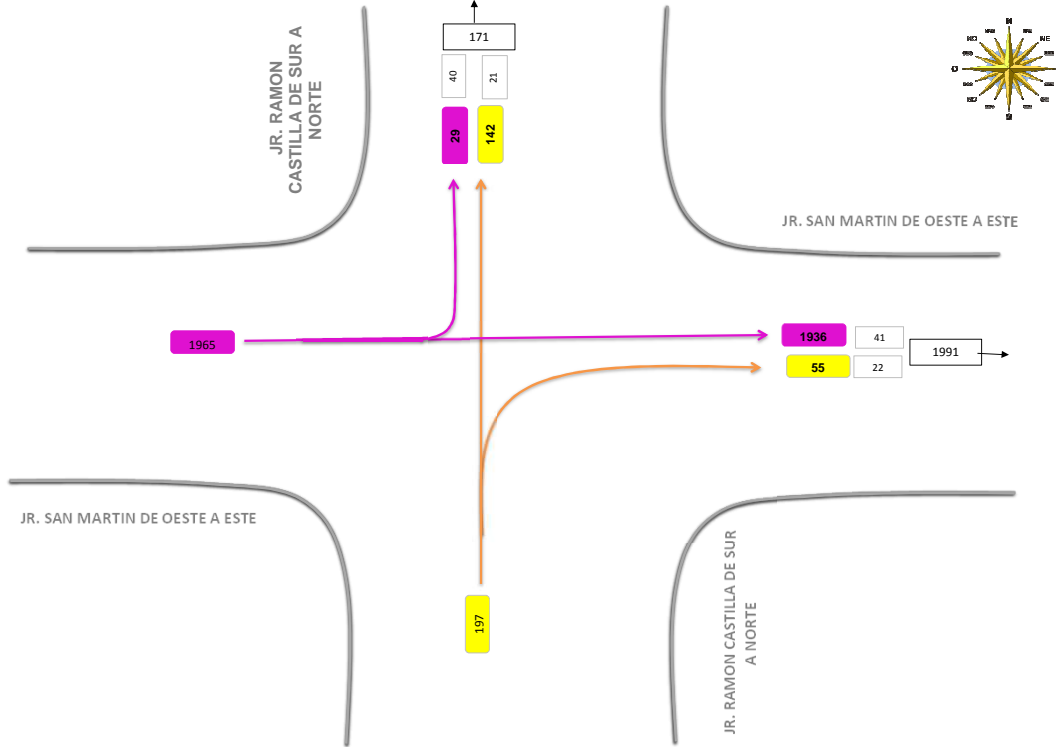
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	157	80	0	0	0	0	0	2	160	0	0	399	16%
Transporte Publico	0	0	0	0	0	224	65	0	0	0	0	0	4	487	0	0	780	30%
Transporte Pesado	0	0	0	0	0	9	0	0	0	0	0	0	0	4	0	0	13	1%
Interprovincial	0	0	0	0	0	23	0	0	0	0	0	0	0	4	0	0	27	1%
Vehiculos Menores	0	0	0	0	0	315	310	0	0	0	0	0	44	672	0	0	1341	52%
Total	0	0	0	0	0	728	455	0	0	0	0	0	50	1327	0	0	2559.8	100%

Semaforización.									
Fase	Tipo Vehicul	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturaci	P=2*3	Tiempo Ciclo
I	10	0	2	0.00	0	0.3626	0.88274	6	119.39
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	806	2	0.87	350.951				
	22	425	2	0.88	187.511				
II	30	0	2	0.00	0	0.52014	0.88274	6	119.39
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	44	2	0.89	19.5446				
	41	1516	2	0.99	752.858				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

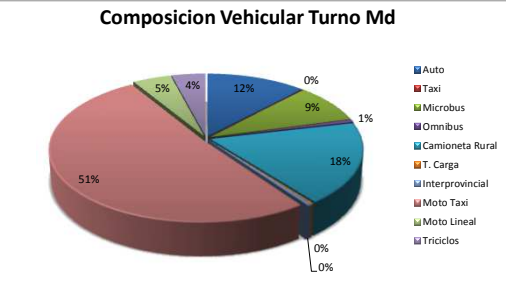
Interseccion	JR. SAN MARTIN - JR. TUMBES	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	2161	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	10	10	0	0	0	0	0	0	223	0	0	243	12%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	178	0	0	178	9%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	1%
Camioneta Rural	0	0	0	0	0	0	0	0	0	0	0	0	0	367	0	0	367	18%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0%
Interprovincial	0	0	0	0	0	2	1	0	0	0	0	0	0	7	0	0	10	0%
Moto Taxi	0	0	0	0	0	155	42	0	0	0	0	0	30	809	0	0	1036	51%
Moto Lineal	0	0	0	0	0	1	10	0	0	0	0	0	2	81	0	0	94	5%
Triciclos	0	0	0	0	0	0	7	0	0	0	0	0	4	72	0	0	83	4%
Total Vehiculos	0	0	0	0	0	168	70	0	0	0	0	0	36	1753	0	0	2027	100%
UCP	0	0	0	0	0	142	55	0	0	0	0	0	29	1936	0	0	2161	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.88	0.88	0.00	0.00	0.00	0.00	0.00	0.90	0.98	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%		

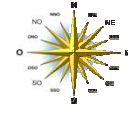
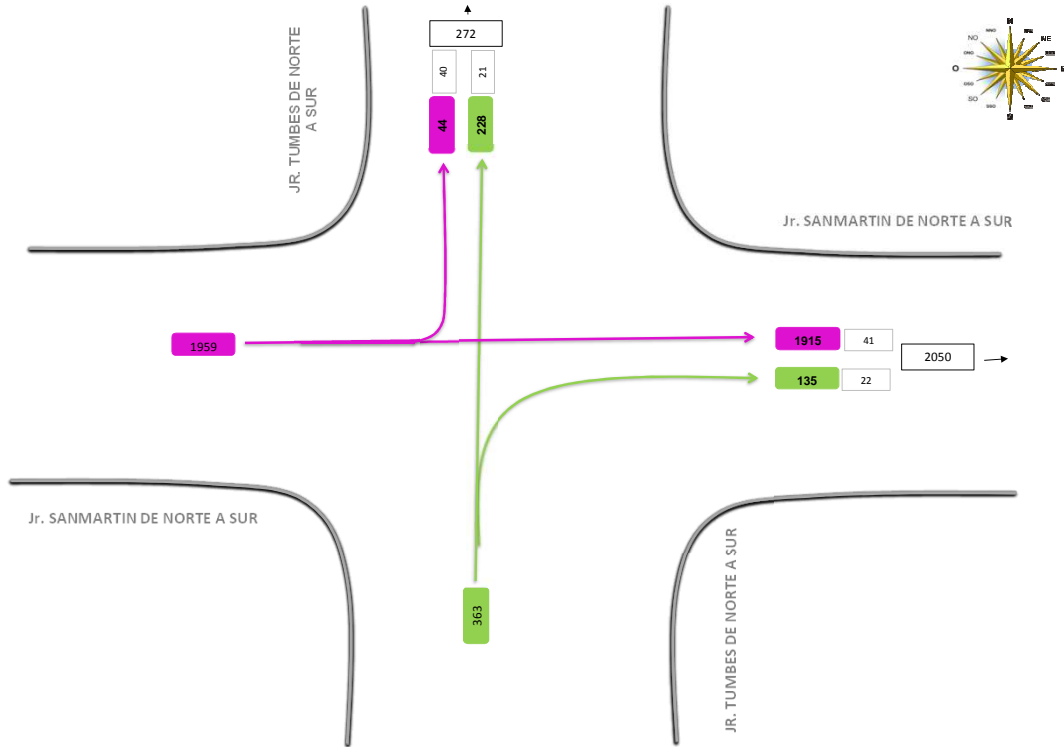
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	10	10	0	0	0	0	0	0	223	0	0	243	12%
Transporte Publico	0	0	0	0	0	0	0	0	0	0	0	0	0	557	0	0	557	27%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0%
Interprovincial	0	0	0	0	0	2	1	0	0	0	0	0	0	7	0	0	10	0%
Vehiculos Menores	0	0	0	0	0	156	59	0	0	0	0	0	36	962	0	0	1213	60%
Total	0	0	0	0	0	168	70	0	0	0	0	0	36	1753	0	0	2026.8	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.05801	0.70302	6	47.1409
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	142	2	0.88	62.1163				
II	22	55	2	0.88	24.0231	0.64501	0.70302	6	47.1409
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	29	2	0.90	12.852				
	41	1936	2	0.98	944.99				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

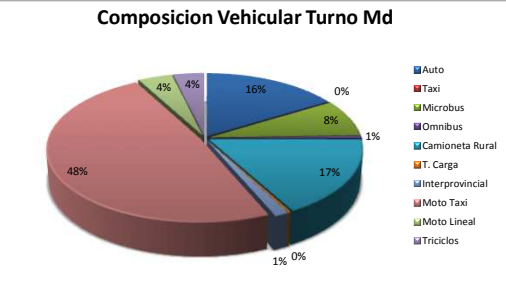
Interseccion Fecha Dia Flujo vehicular en Hora Pico	JR. SAN MARTIN - JR. TUMBES 22/08/2016 LUNES 2323	Distrito Turno Hora Pico del Sistema Hora pico de la interseccion	JULIACA Md 12:00 A 13:00
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Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	80	45	0	0	0	0	0	7	223	0	0	355	16%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	178	0	0	178	8%
Omnibus	0	0	0	0	0	0	7	0	0	0	0	0	0	5	0	0	12	1%
Camioneta Rural	0	0	0	0	0	1	1	0	0	0	0	0	0	367	0	0	369	17%
T. Carga	0	0	0	0	0	1	1	0	0	0	0	0	0	4	0	0	6	0%
Interprovincial	0	0	0	0	0	7	15	0	0	0	0	0	0	7	0	0	29	1%
Moto Taxi	0	0	0	0	0	160	42	0	0	0	0	0	44	809	0	0	1055	48%
Moto Lineal	0	0	0	0	0	2	7	0	0	0	0	0	0	81	0	0	90	4%
Triciclos	0	0	0	0	0	1	8	0	0	0	0	0	1	72	0	0	82	4%
Total Vehiculos	0	0	0	0	0	252	126	0	0	0	0	0	52	1746	0	0	2176	100%
UCP	0	0	0	0	0	228	135	0	0	0	0	0	44	1915	0	0	2323	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.93	0.88	0.00	0.00	0.00	0.00	0.00	0.87	0.96	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%		

Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	80	45	0	0	0	0	0	7	223	0	0	355	16%
Transporte Publico	0	0	0	0	0	1	8	0	0	0	0	0	0	550	0	0	559	26%
Transporte Pesado	0	0	0	0	0	1	1	0	0	0	0	0	0	4	0	0	6	0%
Interprovincial	0	0	0	0	0	7	15	0	0	0	0	0	0	7	0	0	29	1%
Vehiculos Menores	0	0	0	0	0	163	57	0	0	0	0	0	45	962	0	0	1227	56%
Total	0	0	0	0	0	252	126	0	0	0	0	0	52	1746	0	0	2175.8	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.11101	0.73989	6	53.8238
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	228	2	0.93	105.715				
II	22	135	2	0.88	59.1369	0.62888	0.73989	6	53.8238
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	44	2	0.87	19.1837				
	41	1915	2	0.96	914.704				
	42	0	2	0.00	0				



Lanes, Volumes, Timings
2: JR.Bolivar & Jr.San Roman

07/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑									↑↑	
Volume (vph)	0	380	532	0	0	0	0	0	0	180	220	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (m)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor		0.95									0.96	
Frt		0.913										
Flt Protected											0.978	
Satd. Flow (prot)	0	2741	0	0	0	0	0	0	0	0	3081	0
Flt Permitted											0.978	
Satd. Flow (perm)	0	2741	0	0	0	0	0	0	0	0	2963	0
Right Turn on Red			Yes			Yes			Yes	Yes		Yes
Satd. Flow (RTOR)		470									196	
Link Speed (k/h)		50			50			50			50	
Link Distance (m)		193.5			87.0			160.0			329.3	
Travel Time (s)		13.9			6.3			11.5			23.7	
Confl. Peds. (#/hr)			40							50		
Confl. Bikes (#/hr)			5									5
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Bus Blockages (#/hr)	0	0	5	0	0	0	0	0	0	0	0	5
Adj. Flow (vph)	0	413	578	0	0	0	0	0	0	196	239	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	991	0	0	0	0	0	0	0	0	435	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(m)		0.0			0.0			0.0			0.0	
Link Offset(m)		0.0			0.0			0.0			0.0	
Crosswalk Width(m)		4.8			4.8			4.8			4.8	
Two way Left Turn Lane												
Headway Factor	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Turning Speed (k/h)	25		15	25		15	25		15	25		15
Turn Type		NA								Perm	NA	
Protected Phases		6									8	
Permitted Phases										8		
Minimum Split (s)		20.0								20.0	20.0	
Total Split (s)		40.0								50.0	50.0	
Total Split (%)		44.4%								55.6%	55.6%	
Maximum Green (s)		36.0								46.0	46.0	
Yellow Time (s)		3.5								3.5	3.5	
All-Red Time (s)		0.5								0.5	0.5	
Lost Time Adjust (s)		0.0									0.0	
Total Lost Time (s)		4.0									4.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)		5.0								5.0	5.0	
Flash Dont Walk (s)		11.0								11.0	11.0	
Pedestrian Calls (#/hr)		0								0	0	
Act Effct Green (s)		36.0								46.0	46.0	
Actuated g/C Ratio		0.40								0.51	0.51	
v/c Ratio		0.72								0.27	0.27	
Control Delay		14.8								7.0	7.0	
Queue Delay		0.0								0.0	0.0	
Total Delay		14.8								7.0	7.0	

Lanes, Volumes, Timings
 2: JR.Bolivar & Jr.San Roman

07/07/2017

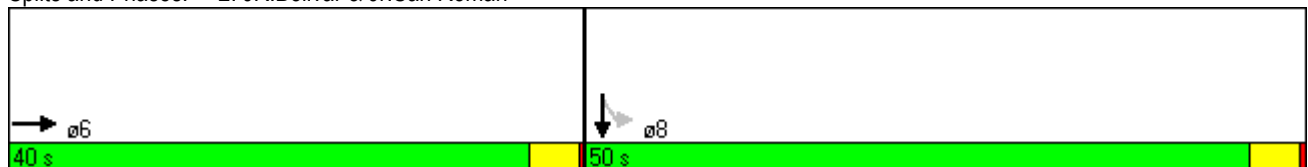


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
LOS		B										A
Approach Delay		14.8										7.0
Approach LOS		B										A

Intersection Summary

Area Type:	CBD
Cycle Length:	90
Actuated Cycle Length:	90
Offset:	0 (0%), Referenced to phase 2: and 6:EBT, Start of Green
Natural Cycle:	40
Control Type:	Pretimed
Maximum v/c Ratio:	0.72
Intersection Signal Delay:	12.4
Intersection LOS:	B
Intersection Capacity Utilization	51.9%
ICU Level of Service	A
Analysis Period (min)	15

Splits and Phases: 2: JR.Bolivar & Jr.San Roman



Lanes, Volumes, Timings
2: JR.Bolivar & Jr.San Roman

07/07/2017



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑									↑↑	
Volume (vph)	0	350	690	0	0	0	0	0	0	710	860	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (m)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor		0.95									0.96	
Frt		0.900										
Flt Protected											0.978	
Satd. Flow (prot)	0	2683	0	0	0	0	0	0	0	0	3081	0
Flt Permitted											0.978	
Satd. Flow (perm)	0	2683	0	0	0	0	0	0	0	0	2963	0
Right Turn on Red			Yes			Yes			Yes	Yes		Yes
Satd. Flow (RTOR)		96									318	
Link Speed (k/h)		40			40			40			40	
Link Distance (m)		193.5			87.0			160.0			329.3	
Travel Time (s)		17.4			7.8			14.4			29.6	
Confl. Peds. (#/hr)			40							50		
Confl. Bikes (#/hr)			5									5
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Bus Blockages (#/hr)	0	0	5	0	0	0	0	0	0	0	0	5
Adj. Flow (vph)	0	380	750	0	0	0	0	0	0	772	935	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	1130	0	0	0	0	0	0	0	0	1707	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(m)		0.0			0.0			0.0			0.0	
Link Offset(m)		0.0			0.0			0.0			0.0	
Crosswalk Width(m)		4.8			4.8			4.8			4.8	
Two way Left Turn Lane												
Headway Factor	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Turning Speed (k/h)	25		15	25		15	25		15	25		15
Turn Type		NA								Perm	NA	
Protected Phases		6									8	
Permitted Phases										8		
Minimum Split (s)		20.0								20.0	20.0	
Total Split (s)		40.0								50.0	50.0	
Total Split (%)		44.4%								55.6%	55.6%	
Maximum Green (s)		36.0								46.0	46.0	
Yellow Time (s)		3.5								3.5	3.5	
All-Red Time (s)		0.5								0.5	0.5	
Lost Time Adjust (s)		0.0									0.0	
Total Lost Time (s)		4.0									4.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)		5.0								5.0	5.0	
Flash Dont Walk (s)		11.0								11.0	11.0	
Pedestrian Calls (#/hr)		0								0	0	
Act Effct Green (s)		36.0								46.0	46.0	
Actuated g/C Ratio		0.40								0.51	0.51	
v/c Ratio		1.25dr								1.02	1.02	
Control Delay		52.6								47.1	47.1	
Queue Delay		0.0								0.0	0.0	
Total Delay		52.6								47.1	47.1	

Lanes, Volumes, Timings
 2: JR.Bolivar & Jr.San Roman

07/07/2017

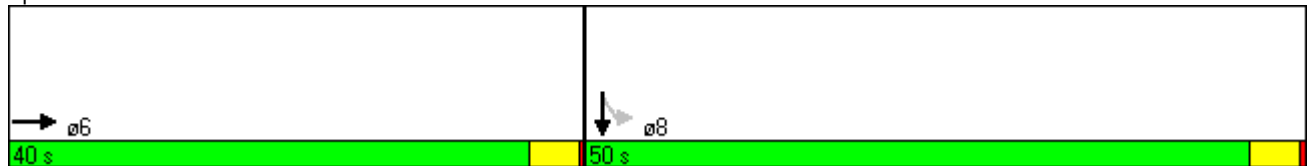


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
LOS		D									D	
Approach Delay		52.6									47.1	
Approach LOS		D									D	

Intersection Summary

Area Type:	CBD
Cycle Length:	90
Actuated Cycle Length:	90
Offset:	0 (0%), Referenced to phase 2: and 6:EBT, Start of Green
Natural Cycle:	90
Control Type:	Pretimed
Maximum v/c Ratio:	1.02
Intersection Signal Delay:	49.3
Intersection LOS:	D
Intersection Capacity Utilization:	93.7%
ICU Level of Service:	F
Analysis Period (min):	15
dr	Defacto Right Lane. Recode with 1 though lane as a right lane.

Splits and Phases: 2: JR.Bolivar & Jr.San Roman



HCM Signalized Intersection Capacity Analysis

2: JR.Bolivar & Jr.San Roman

07/07/2017



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑									↑↑	
Volume (vph)	0	380	532	0	0	0	0	0	0	180	220	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Total Lost time (s)		4.0									4.0	
Lane Util. Factor		0.95									0.95	
Frbp, ped/bikes		0.95									1.00	
Flpb, ped/bikes		1.00									0.96	
Frt		0.91									1.00	
Flt Protected		1.00									0.98	
Satd. Flow (prot)		2739									2963	
Flt Permitted		1.00									0.98	
Satd. Flow (perm)		2739									2963	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	413	578	0	0	0	0	0	0	196	239	0
RTOR Reduction (vph)	0	282	0	0	0	0	0	0	0	0	96	0
Lane Group Flow (vph)	0	709	0	0	0	0	0	0	0	0	339	0
Confl. Peds. (#/hr)			40							50		
Confl. Bikes (#/hr)			5									5
Bus Blockages (#/hr)	0	0	5	0	0	0	0	0	0	0	0	5
Turn Type		NA								Perm	NA	
Protected Phases		6									8	
Permitted Phases										8		
Actuated Green, G (s)		36.0									46.0	
Effective Green, g (s)		36.0									46.0	
Actuated g/C Ratio		0.40									0.51	
Clearance Time (s)		4.0									4.0	
Lane Grp Cap (vph)		1096									1514	
v/s Ratio Prot		c0.26										
v/s Ratio Perm											0.11	
v/c Ratio		0.65									0.22	
Uniform Delay, d1		21.9									12.1	
Progression Factor		1.00									1.00	
Incremental Delay, d2		3.0									0.3	
Delay (s)		24.8									12.5	
Level of Service		C									B	
Approach Delay (s)		24.8		0.0			0.0				12.5	
Approach LOS		C		A			A				B	

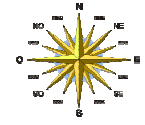
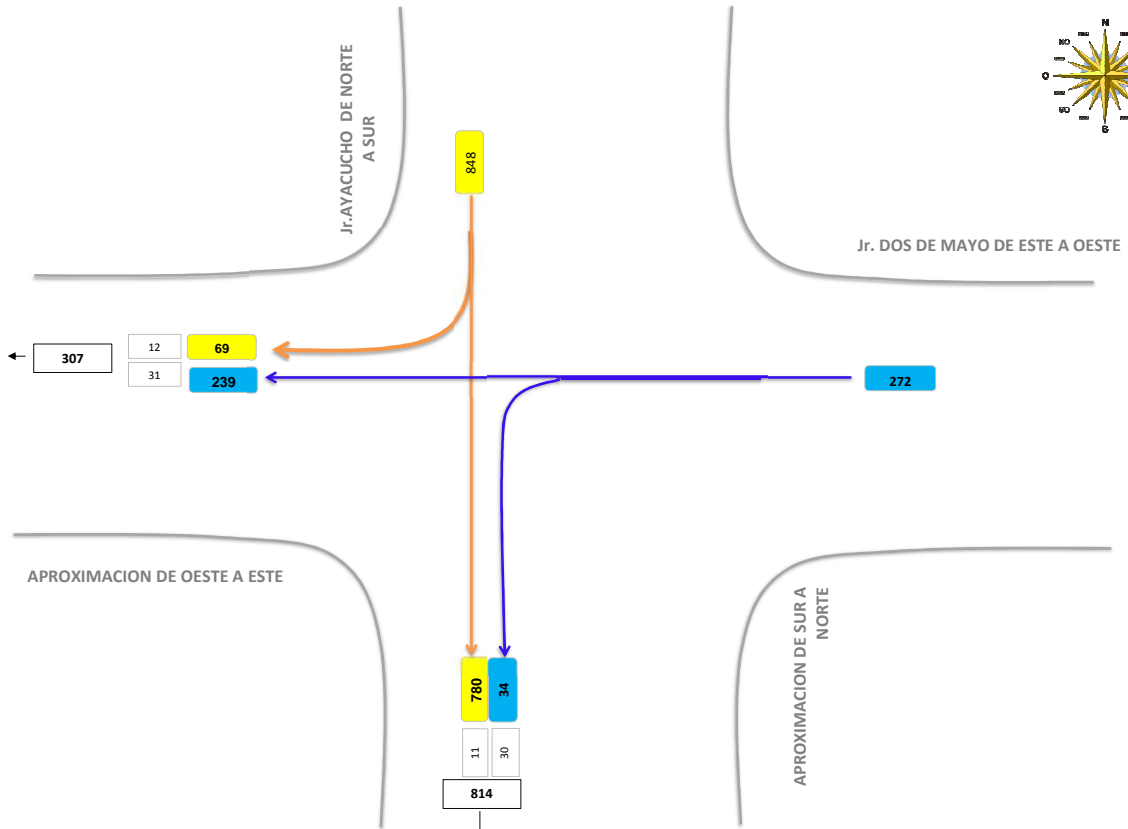
Intersection Summary

HCM Average Control Delay	21.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.41		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	51.9%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

FLUJOGRAMA VEHICULAR CLASIFICADO

Interseccion	Jr. AYACUCHO-Jr.DOS DE MAYO	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1121	Hora pico de la interseccion	12:00 A 13:00

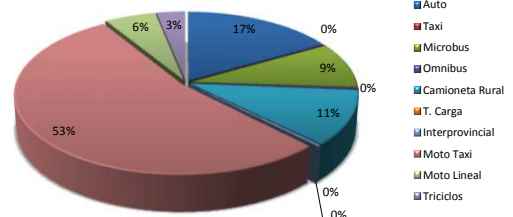


Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	68	35	0	0	0	0	0	9	72	0	0	0	0	0	0	184	17%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	9%
Omnibus	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0%
Camioneta Rural	0	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	11%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0%
Moto Taxi	0	381	32	0	0	0	0	0	28	147	0	0	0	0	0	0	588	53%
Moto Lineal	0	21	10	0	0	0	0	0	5	26	0	0	0	0	0	0	62	6%
Triciclos	0	2	5	0	0	0	0	0	0	28	0	0	0	0	0	0	35	3%
Total Vehiculos	0	696	82	0	0	0	0	0	42	280	0	0	0	0	0	0	1100	100%
UCP	0	780	69	0	0	0	0	0	34	239	0	0	0	0	0	0	1121	
Factor HP	0.00	0.93	0.93	0.00	0.00	0.00	0.00	0.00	4.20	0.91	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	68	35	0	0	0	0	0	9	72	0	0	0	0	0	0	184	17%
Transporte Publico	0	224	0	0	0	0	0	0	0	3	0	0	0	0	0	0	227	21%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0%
Vehiculos Menores	0	404	47	0	0	0	0	0	33	201	0	0	0	0	0	0	685	62%
Total	0	696	82	0	0	0	0	0	42	280	0	0	0	0	0	0	1100	100%

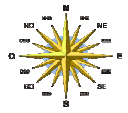
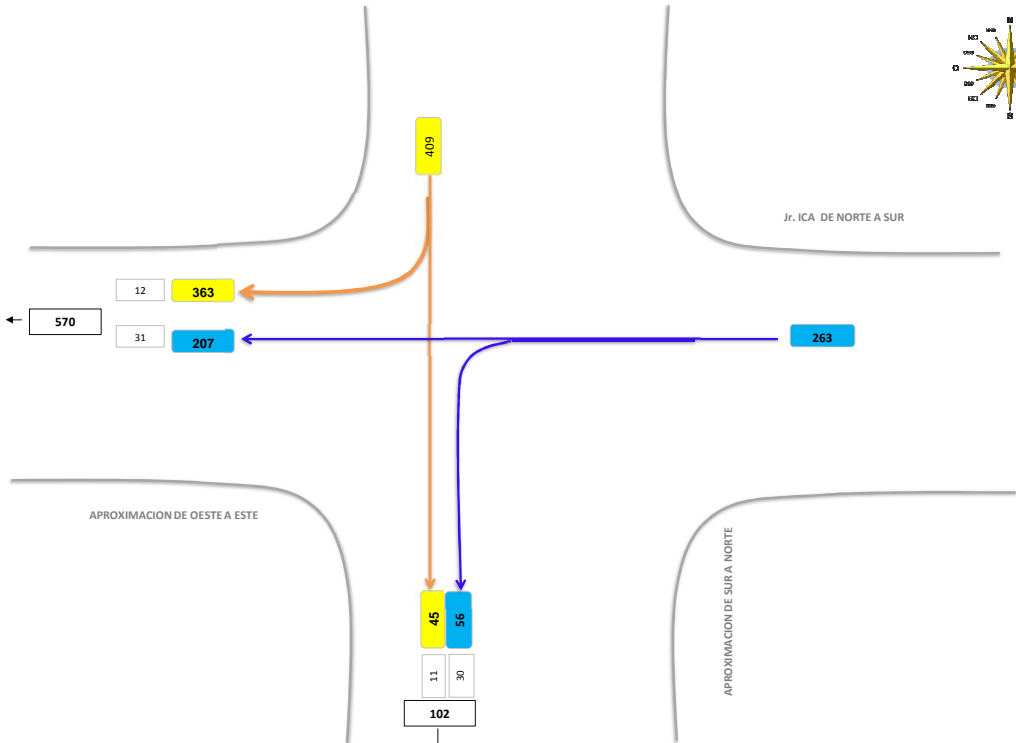
Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1485	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.26579	0.38674	6	22.829
	11	780	2	0.93	362.73				
	12	69	2	0.93	31.966				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
	22	0	2	0.00	0				
II	30	34	2	4.20	71.169	0.12096	0.38674	6	22.829
	31	239	2	0.91	108.45				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				

Composicion Vehicular Turno Md



FLUJOGRAMA VEHICULAR CLASIFICADO

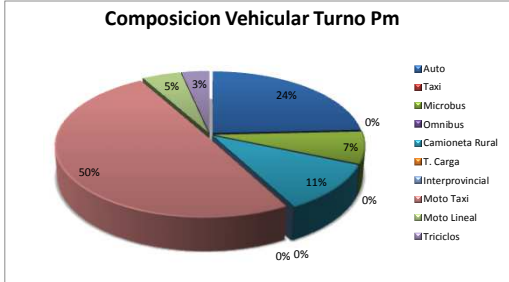
Intersección: JR. ICA- Jr. DOS DE MAYO
Fecha: 22/08/2016
Día: LUNES
Flujo vehicular en Hora Pico: 672
Distrito: Turno
Turno: JULIACA Pm
Hora Pico del Sistema: 18:00 A 19:00
Hora pico de la intersección:



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	14	38	0	0	0	0	0	29	82	0	0	0	0	0	0	163	24%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	48	7%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	72	11%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	34	134	0	0	0	0	0	27	139	0	0	0	0	0	0	334	50%
Moto Lineal	0	3	12	0	0	0	0	0	8	9	0	0	0	0	0	0	32	5%
Triciclos	0	3	8	0	0	0	0	0	3	9	0	0	0	0	0	0	23	3%
Total Vehiculos	0	54	312	0	0	0	0	0	67	239	0	0	0	0	0	0	672	100%
UCP	0	45	363	0	0	0	0	0	56	207	0	0	0	0	0	0	672	
Factor HP	0.00	0.71	0.81	0.00	0.00	0.00	0.00	0.00	0.84	0.82	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

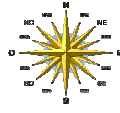
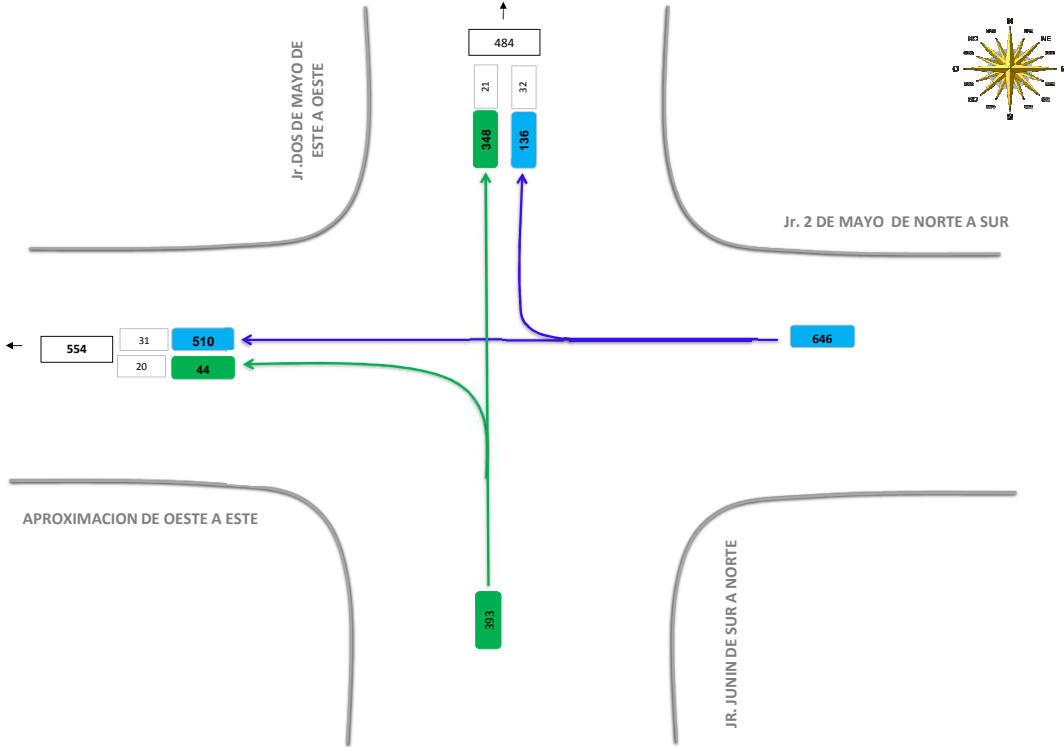
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	14	38	0	0	0	0	0	29	82	0	0	0	0	0	0	163	24%
Transporte Publico	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	120	18%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	40	154	0	0	0	0	0	38	157	0	0	0	0	0	0	389	58%
Total	0	54	312	0	0	0	0	0	67	239	0	0	0	0	0	0	672	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1485	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.11023	0.18318	6	17.1396
	11	45	2	0.71	16.1503				
	12	363	2	0.81	147.542				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
	22	0	2	0.00	0				
II	30	56	2	0.84	23.5756	0.07295	0.18318	6	17.1396
	31	207	2	0.82	84.7509				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

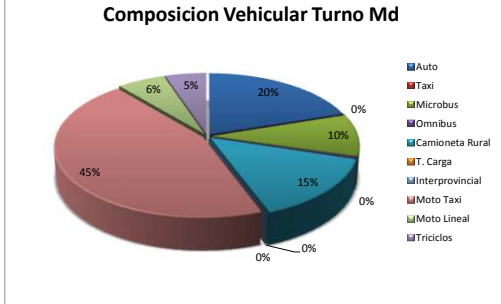
Interseccion	JR. JUNIN - Jr. 2 DE MAYO	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1038	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	23	68	0	0	0	72	35	0	0	0	0	0	198	20%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	43	0	0	0	52	0	0	0	0	0	0	95	10%
Omnibus	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0%
Camioneta Rural	0	0	0	0	0	44	0	0	0	100	0	0	0	0	0	0	144	15%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	20	135	0	0	0	175	113	0	0	0	0	0	443	45%
Moto Lineal	0	0	0	0	5	18	0	0	0	26	10	0	0	0	0	0	59	6%
Triciclos	0	0	0	0	4	14	0	0	0	28	5	0	0	0	0	0	51	5%
Total Vehiculos	0	0	0	0	52	322	0	0	0	456	163	0	0	0	0	0	993	100%
UCP	0	0	0	0	44	348	0	0	0	510	136	0	0	0	0	0	1038	
Factor HP	0.00	0.00	0.00	0.00	0.93	0.90	0.00	0.00	0.00	0.88	0.95	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

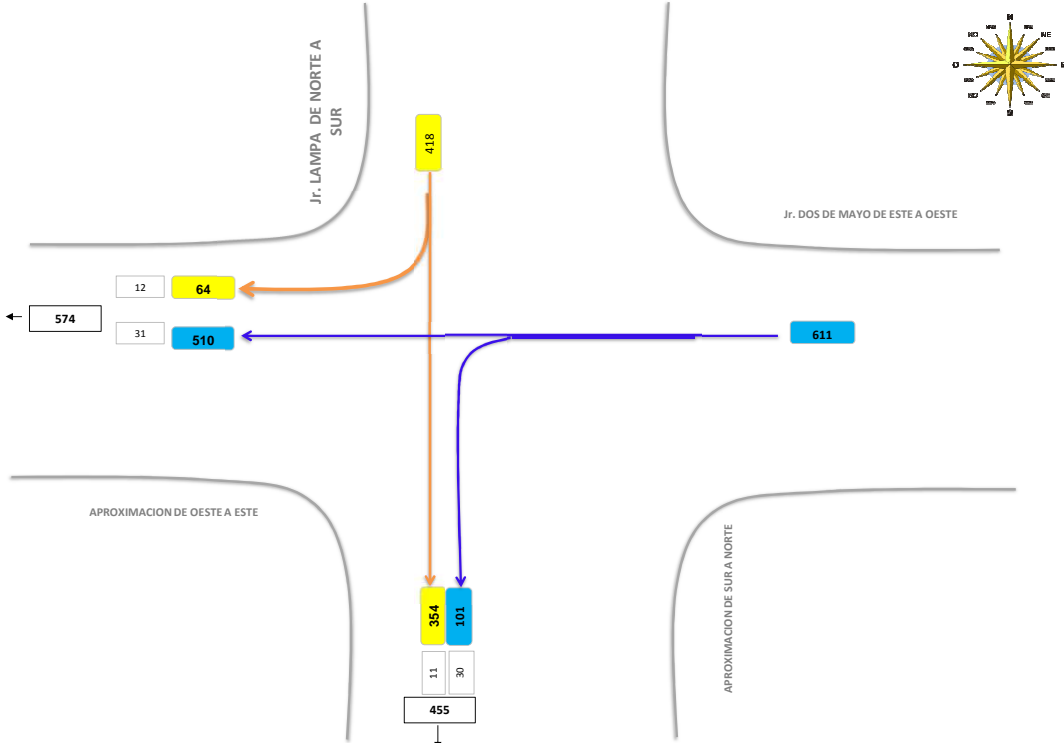
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	23	68	0	0	0	72	35	0	0	0	0	0	198	20%
Transporte Publico	0	0	0	0	0	87	0	0	0	155	0	0	0	0	0	0	242	24%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	29	167	0	0	0	229	128	0	0	0	0	0	553	56%
Total	0	0	0	0	52	322	0	0	0	456	163	0	0	0	0	0	993	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.11997	0.31384	6	20.4035
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	44	2	0.93	20.5446				
	21	348	2	0.90	157.604				
II	22	0	2	0.00	0				
	30	0	2	0.00	0				
	31	510	2	0.88	223.541				
	32	136	2	0.95	64.366				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

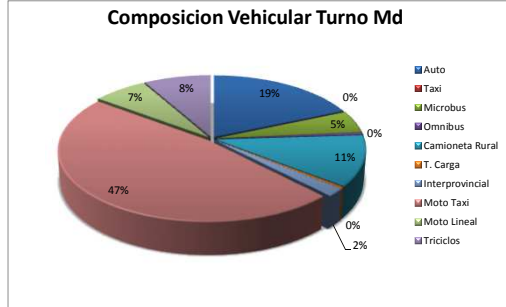
Interseccion	JR. LAMPA - Jr. 2 DE MAYO	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1028	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	68	19	0	0	0	0	0	35	72	0	0	0	0	0	0	194	19%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	52	5%
Omnibus	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	5	0%
Camioneta Rural	0	16	4	0	0	0	0	0	0	100	0	0	0	0	0	0	120	11%
T. Carga	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0%
Interprovincial	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	2%
Moto Taxi	0	215	35	0	0	0	0	0	71	175	0	0	0	0	0	0	496	47%
Moto Lineal	0	28	5	0	0	0	0	0	10	26	0	0	0	0	0	0	69	7%
Triciclos	0	42	11	0	0	0	0	0	5	28	0	0	0	0	0	0	86	8%
Total Vehiculos	0	394	74	0	0	0	0	0	121	456	0	0	0	0	0	0	1045	100%
UCP	0	354	64	0	0	0	0	0	101	510	0	0	0	0	0	0	1028	
Factor HP	0.00	0.88	0.88	0.00	0.00	0.00	0.00	0.00	4.48	0.88	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

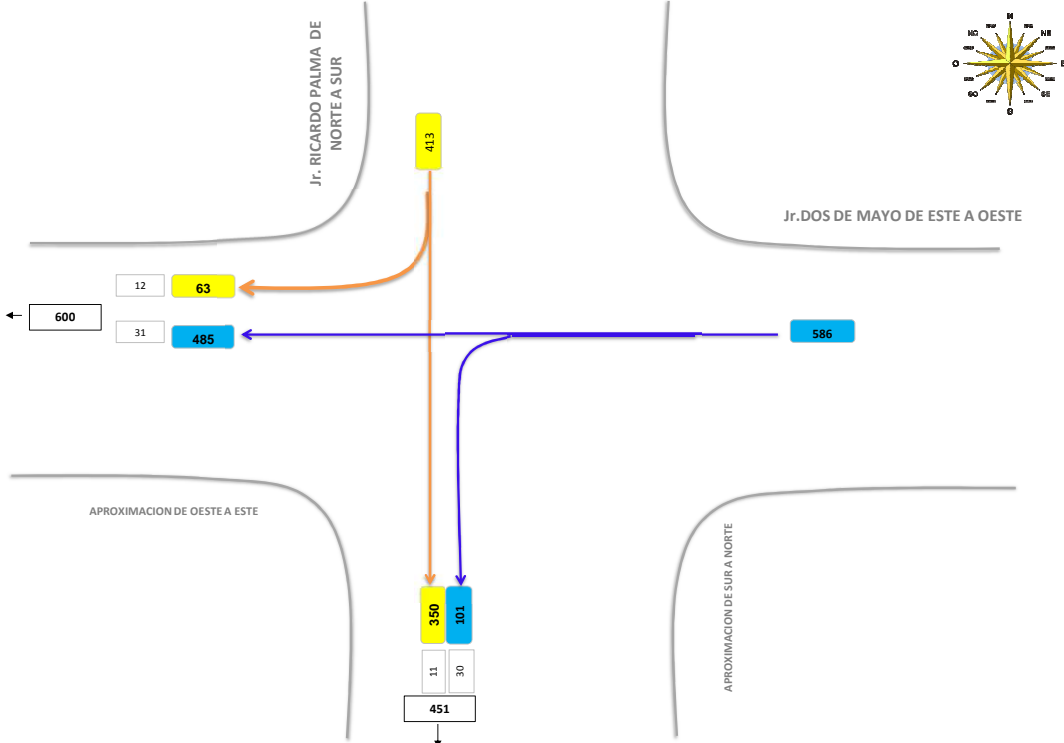
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	68	19	0	0	0	0	0	35	72	0	0	0	0	0	0	194	19%
Transporte Publico	0	16	4	0	0	0	0	0	0	155	0	0	0	0	0	0	175	17%
Transporte Pesado	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0%
Interprovincial	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	2%
Vehiculos Menores	0	285	51	0	0	0	0	0	86	229	0	0	0	0	0	0	651	62%
Total	0	392	74	0	0	0	0	0	121	456	0	0	0	0	0	0	1043	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0		0.1237		
	11	354	2	0.88	155.529				
	12	64	2	0.88	28.1685				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0		0.4266	6	24.416
	30	101	2	4.48	226.27				
	31	510	2	0.88	223.541				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

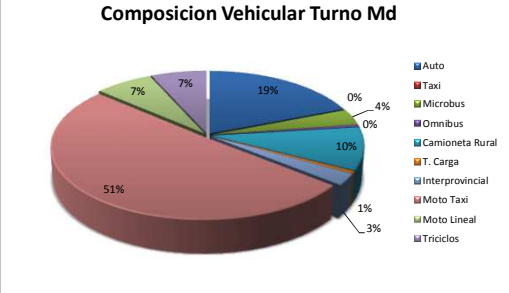
Interseccion	JR. RICARDO PALMA - Jr. 2 DE MAYO	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1381	Hora pico de la Intersección	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	68	19	0	19	68	0	0	35	72	0	0	0	0	0	0	281	19%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	52	4%
Omnibus	0	2	0	0	0	2	0	0	0	3	0	0	0	0	0	0	7	0%
Camioneta Rural	0	16	4	0	0	20	0	0	0	100	0	0	0	0	0	0	140	10%
T. Carga	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	1%
Interprovincial	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	38	3%
Moto Taxi	0	215	35	0	35	215	0	0	71	175	0	0	0	0	0	0	746	51%
Moto Lineal	0	28	5	0	5	28	0	0	10	26	0	0	0	0	0	0	102	7%
Triciclos	0	42	11	0	4	9	0	0	5	28	0	0	0	0	0	0	99	7%
Total Vehiculos	0	394	74	0	63	365	0	0	121	456	0	0	0	0	0	0	1473	100%
UCP	0	350	63	0	53	330	0	0	101	485	0	0	0	0	0	0	1381	
Factor HP	0.00	1.20	2.31	0.00	0.00	0.00	0.00	0.00	4.48	1.28	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

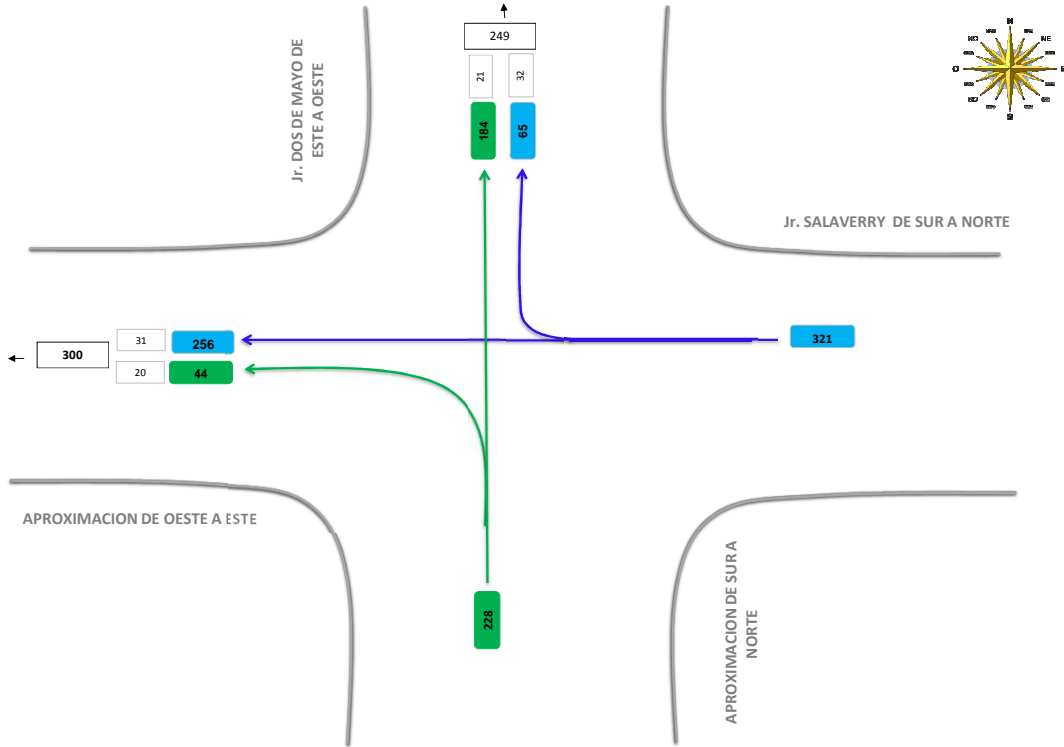
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	68	19	0	19	68	0	0	35	72	0	0	0	0	0	0	281	19%
Transporte Publico	0	16	4	0	0	22	0	0	0	155	0	0	0	0	0	0	197	13%
Transporte Pesado	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	1%
Interprovincial	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	38	3%
Vehiculos Menores	0	285	51	0	44	252	0	0	86	229	0	0	0	0	0	0	947	64%
Total	0	392	74	0	63	365	0	0	121	456	0	0	0	0	0	0	1471	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.19045	0.55191	6	31.244
	11	350	2	1.20	210.027				
	12	63	2	2.31	72.7859				
	20	53	2	0.00	0				
	21	330	2	0.00	0				
	22	0	2	0.00	0				
II	30	101	2	4.48	226.27	0.36147	0.55191	6	31.244
	31	485	2	1.28	310.509				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

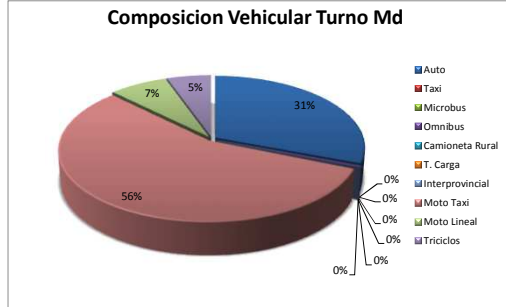
Interseccion Fecha Dia Flujo vehicular en Hora Pico	JR. SALAVERRY - Jr. 2 DE MAYO 22/08/2016 LUNES 549	Distrito Turno Hora Pico del Sistema Hora pico de la interseccion	JULIACA Md 12:00 A 13:00
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Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	23	68	0	0	0	72	35	0	0	0	0	0	198	31%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Omnibus	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	20	135	0	0	0	175	32	0	0	0	0	0	362	56%
Moto Lineal	0	0	0	0	5	5	0	0	0	26	10	0	0	0	0	0	46	7%
Triciclos	0	0	0	0	4	3	0	0	0	28	0	0	0	0	0	0	35	5%
Total Vehiculos	0	0	0	0	52	211	0	0	0	304	77	0	0	0	0	0	644	100%
UCP	0	0	0	0	44	184	0	0	0	256	65	0	0	0	0	0	549	
Factor HP	0.00	0.00	0.00	0.00	0.93	0.88	0.00	0.00	0.00	0.89	0.96	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

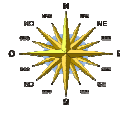
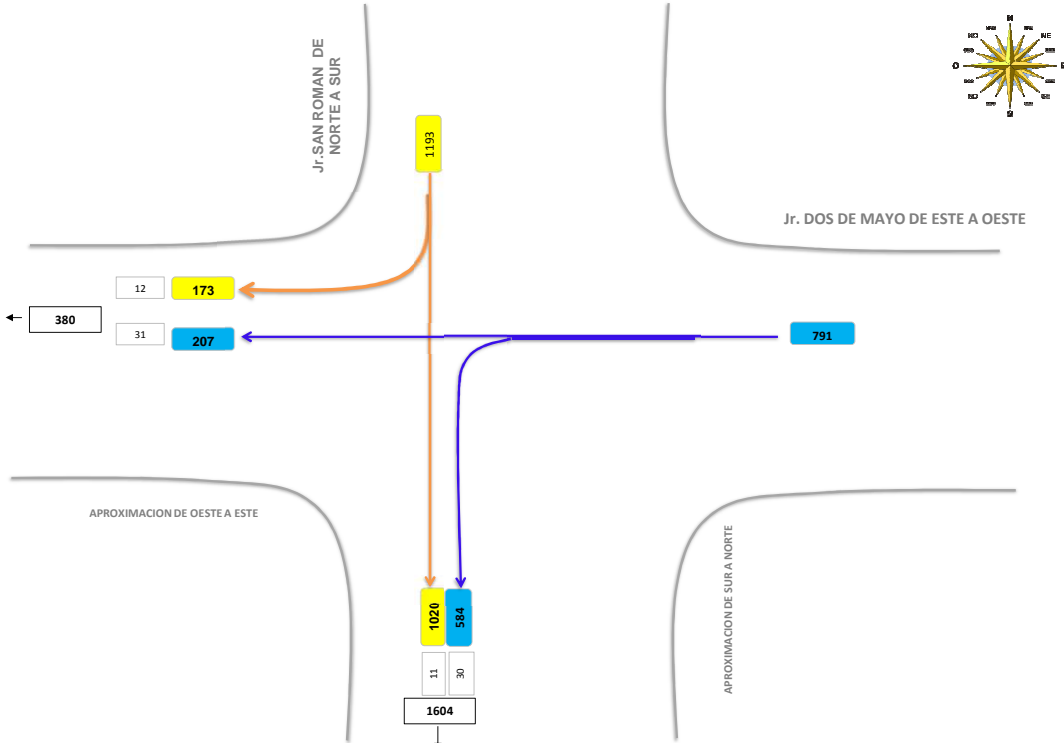
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	23	68	0	0	0	72	35	0	0	0	0	0	198	31%
Transporte Publico	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	29	143	0	0	0	229	42	0	0	0	0	0	443	69%
Total	0	0	0	0	52	211	0	0	0	304	77	0	0	0	0	0	644	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.06829	0.16632	6	16.7931
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	44	2	0.93	20.5446				
	21	184	2	0.88	80.8614				
	22	0	2	0.00	0				
II	30	0	2	0.00	0	0.09804	0.16632	6	16.7931
	31	256	2	0.89	114.371				
	32	65	2	0.96	31.2139				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

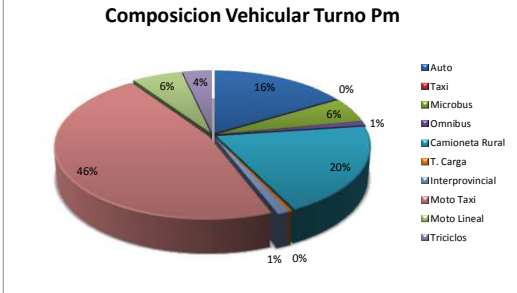
Interseccion	JR. SAN ROMAN - Jr. DOS DE MAYO	Distrito	JULIACA
Fecha	22/08/2016	Turno	Pm
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1984	Hora pico de la interseccion	18:30 A 19:30



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	109	31	0	0	0	0	0	87	82	0	0	0	0	0	0	309	16%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	61	0	0	0	0	0	0	43	0	0	0	0	0	0	0	104	6%
Omnibus	0	16	0	0	0	0	0	0	1	0	0	0	0	0	0	0	17	1%
Camioneta Rural	0	308	0	0	0	0	0	0	65	0	0	0	0	0	0	0	373	20%
T. Carga	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	7	0%
Interprovincial	0	16	0	0	0	0	0	0	4	0	0	0	0	0	0	0	20	1%
Moto Taxi	0	263	141	0	0	0	0	0	329	139	0	0	0	0	0	0	872	46%
Moto Lineal	0	38	23	0	0	0	0	0	43	9	0	0	0	0	0	0	113	6%
Triciclos	0	26	23	0	0	0	0	0	9	9	0	0	0	0	0	0	67	4%
Total Vehiculos	0	839	218	0	0	0	0	0	586	239	0	0	0	0	0	0	1882	100%
UCP	0	1020	173	0	0	0	0	0	584	207	0	0	0	0	0	0	1984	
Factor HP	0.00	0.85	0.83	0.00	0.00	0.00	0.00	0.00	0.96	0.93	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

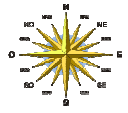
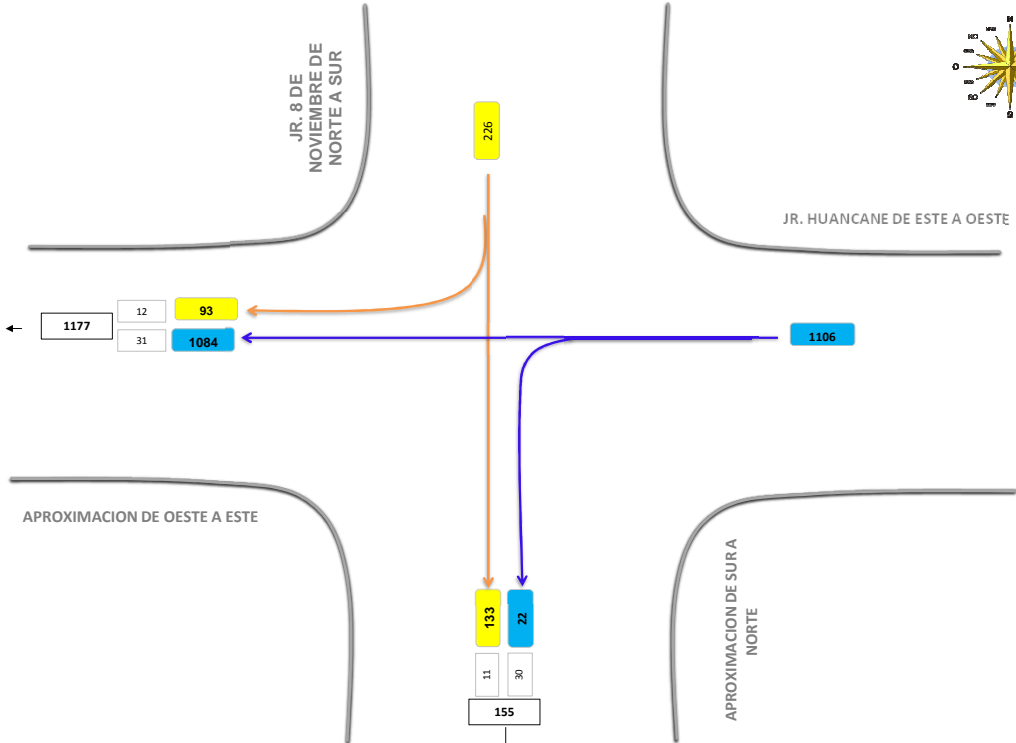
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	109	31	0	0	0	0	0	87	82	0	0	0	0	0	0	309	17%
Transporte Publico	0	369	0	0	0	0	0	0	109	0	0	0	0	0	0	0	478	26%
Transporte Pesado	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	7	0%
Interprovincial	0	16	0	0	0	0	0	0	4	0	0	0	0	0	0	0	20	1%
Vehiculos Menores	0	327	187	0	0	0	0	0	381	157	0	0	0	0	0	0	1052	56%
Total	0	823	218	0	0	0	0	0	586	239	0	0	0	0	0	0	1865.6	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.34117	0.59562	6	34.6212
	11	1020	2	0.85	435.259				
	12	173	2	0.83	71.3744				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.25446	0.59562	6	34.6212
	30	584	2	0.96	281.198				
	31	207	2	0.93	96.669				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

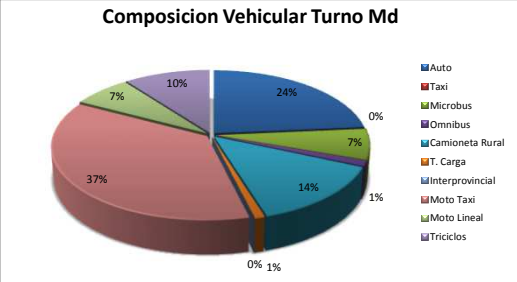
Interseccion	Jr. 8 NOVIEMBRE-Jr. HUANCANE	Distrito	JULIACA
Fecha	18/07/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1332	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	51	43	0	0	0	0	0	11	209	0	0	0	0	0	0	314	24%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	90	7%
Omnibus	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	16	1%
Camioneta Rural	0	0	0	0	0	0	0	0	0	182	0	0	0	0	0	0	182	14%
T. Carga	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	73	53	0	0	0	0	0	11	350	0	0	0	0	0	0	487	37%
Moto Lineal	0	26	11	0	0	0	0	0	2	54	0	0	0	0	0	0	93	7%
Triciclos	0	17	3	0	0	0	0	0	2	115	0	0	0	0	0	0	137	10%
Total Vehiculos	0	167	110	0	0	0	0	0	26	1028	0	0	0	0	0	0	1331	100%
UCP	0	133	93	0	0	0	0	0	22	1084	0	0	0	0	0	0	1332	
Factor HP	0.00	0.89	0.81	0.00	0.00	0.00	0.00	0.00	0.65	0.85	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

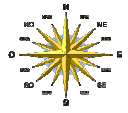
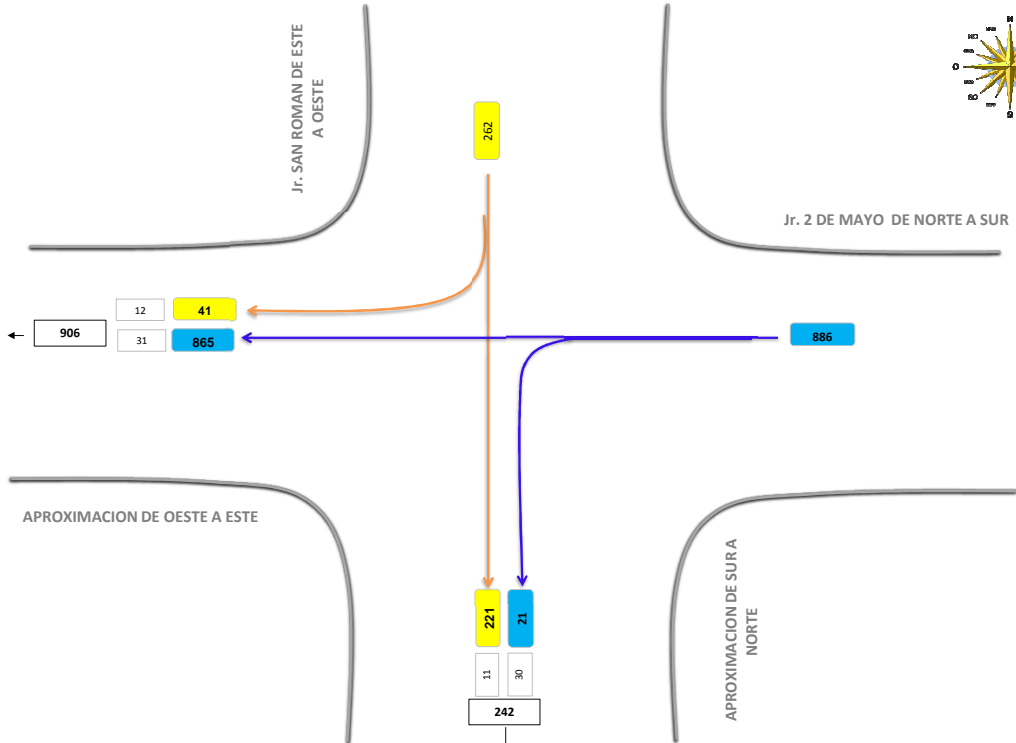
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	51	43	0	0	0	0	0	11	209	0	0	0	0	0	0	314	24%
Transporte Publico	0	0	0	0	0	0	0	0	0	288	0	0	0	0	0	0	288.32	22%
Transporte Pesado	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12.23	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	116	67	0	0	0	0	0	15	518	0	0	0	0	0	0	716.4	54%
Total	0	167	110	0	0	0	0	0	26	1028	0	0	0	0	0	0	1330.7	100%

Semaforización.										
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo	
I	10	0	2	0.00	0		0.06505			
	11	133	2	0.89	59.0363					
	12	93	2	0.81	37.5577					
	20	0	2	0.00	0					
	21	0	2	0.00	0					
II	22	0	2	0.00	0		0.38146	6	22.6338	
	30	22	2	0.65	7.24425					
	31	1084	2	0.85	462.623					
	32	0	2	0.00	0					0.31641
	40	0	2	0.00	0					
	41	0	2	0.00	0					
	42	0	2	0.00	0					



FLUJOGRAMA VEHICULAR CLASIFICADO

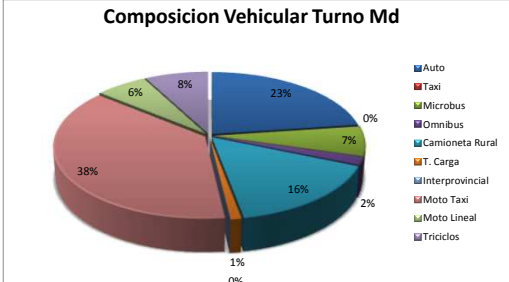
Interseccion	JR.APURIMAC-Jr.HUANCANE	Distrito	JULIACA
Fecha	18/07/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1148	Hora pico de la interseccion	12:00 A 13:00



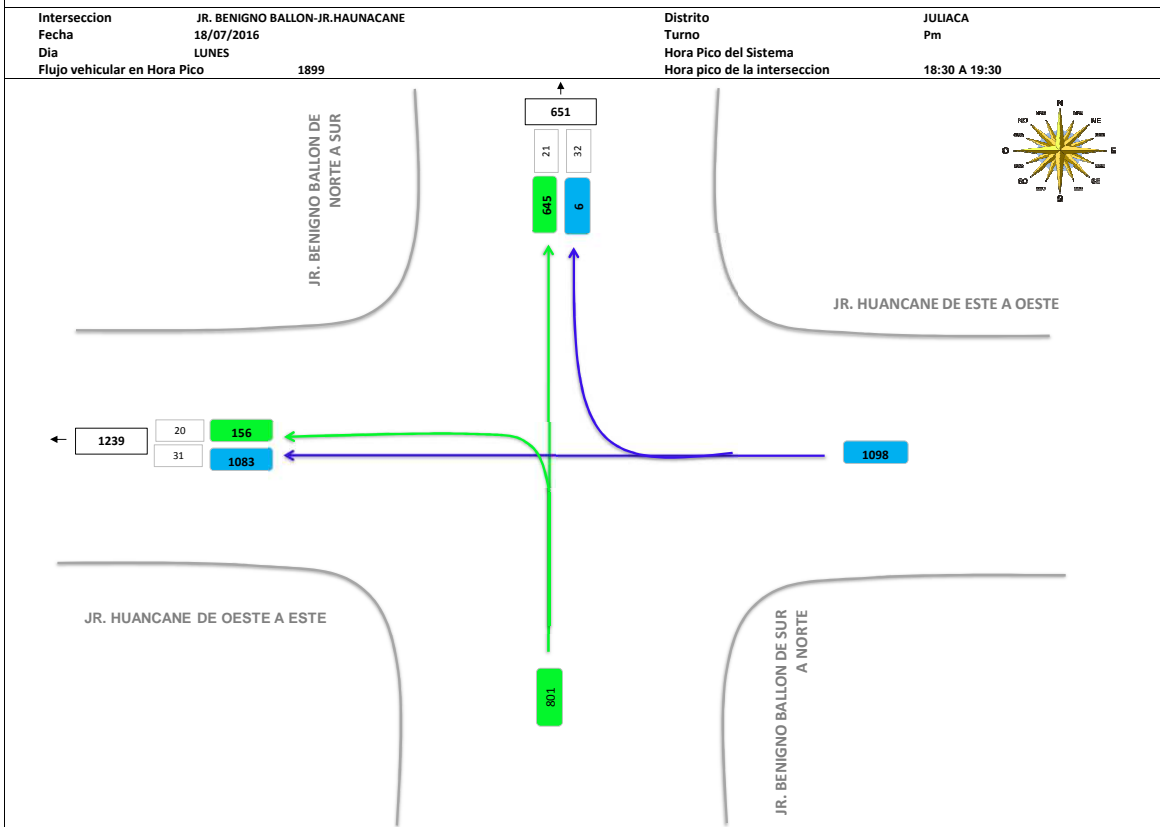
Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	81	24	0	0	0	0	0	0	141	0	0	0	0	0	0	246	23%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	72	7%
Omnibus	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	19	2%
Camioneta Rural	0	1	0	0	0	0	0	0	0	169	0	0	0	0	0	0	170	16%
T. Carga	0	1	0	0	0	0	0	0	0	10	0	0	0	0	0	0	11	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	162	6	0	0	0	0	0	5	234	0	0	0	0	0	0	407	38%
Moto Lineal	0	1	10	0	0	0	0	0	13	44	0	0	0	0	0	0	68	6%
Triciclos	0	2	12	0	0	0	0	0	17	53	0	0	0	0	0	0	84	8%
Total Vehiculos	0	248	52	0	0	0	0	0	35	742	0	0	0	0	0	0	1077	100%
UCP	0	221	41	0	0	0	0	0	21	865	0	0	0	0	0	0	1148	
Factor HP	0.00	0.91	0.87	0.00	0.00	0.00	0.00	0.00	0.88	0.80	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	81	24	0	0	0	0	0	0	141	0	0	0	0	0	0	246	23%
Transporte Publico	0	1	0	0	0	0	0	0	0	260	0	0	0	0	0	0	261.05	24%
Transporte Pesado	0	1	0	0	0	0	0	0	0	10	0	0	0	0	0	0	11.12	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	165	28	0	0	0	0	0	35	331	0	0	0	0	0	0	558.72	52%
Total	0	248	52	0	0	0	0	0	35	742	0	0	0	0	0	0	1077	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.07983	0.32001	6	20.5884
	11	221	2	0.91	100.654				
	12	41	2	0.87	17.888				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.24018	0.32001	6	20.5884
	30	21	2	0.88	9.27063				
	31	865	2	0.80	347.397				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



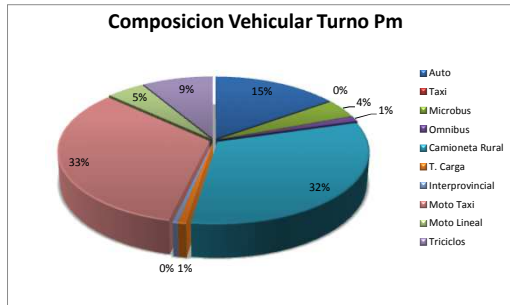
FLUJOGRAMA VEHICULAR CLASIFICADO



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	26	36	0	0	0	188	6	0	0	0	0	0	256	15%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	70	4%
Omnibus	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20	1%
Camioneta Rural	0	0	0	0	27	310	0	0	0	201	0	0	0	0	0	0	538	32%
T. Carga	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13	1%
Interprovincial	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8	0%
Moto Taxi	0	0	0	0	91	131	0	0	7	328	0	0	0	0	0	0	557	33%
Moto Lineal	0	0	0	0	16	24	0	0	0	38	0	0	0	0	0	0	78	5%
Triciclos	0	0	0	0	12	20	0	0	4	110	0	0	0	0	0	0	146	9%
Total Vehiculos	0	0	0	0	172	529	0	0	11	967	6	0	0	0	0	0	1685	100%
UCP	0	0	0	0	156	645	0	0	9	1083	6	0	0	0	0	0	1899	
Factor HP	0.00	0.00	0.00	0.00	0.93	0.85	0.00	0.00	0.00	0.90	0.75	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

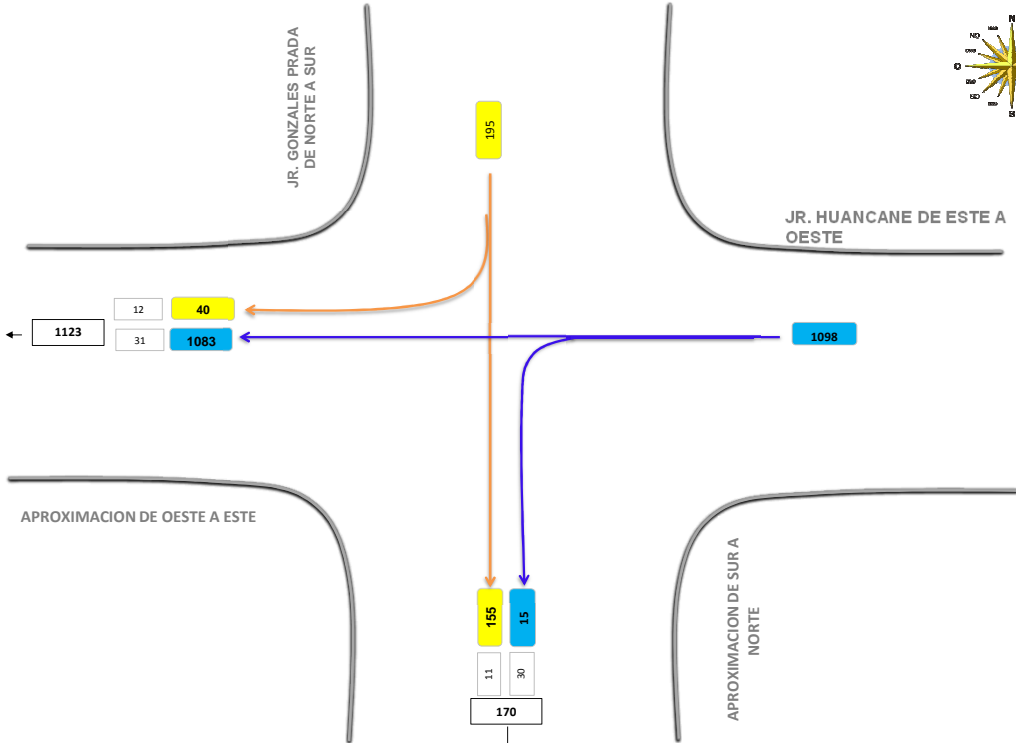
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	26	36	0	0	0	188	6	0	0	0	0	0	256	15%
Transporte Publico	0	0	0	0	27	310	0	0	0	291	0	0	0	0	0	0	628.15	37%
Transporte Pesado	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13.01	1%
Interprovincial	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8	0%
Vehiculos Menores	0	0	0	0	119	175	0	0	11	475	0	0	0	0	0	0	780.02	46%
Total	0	0	0	0	172	529	0	0	11	967	6	0	0	0	0	0	1685.2	100%

Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.23439	0.56289	6	32.0288
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	156	2	0.93	73.0579				
	21	645	2	0.85	275.016				
II	22	0	2	0.00	0	0.3285	0.56289	6	32.0288
	30	9	2	0.00	0				
	31	1083	2	0.90	485.572				
	32	6	2	0.75	2.25				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

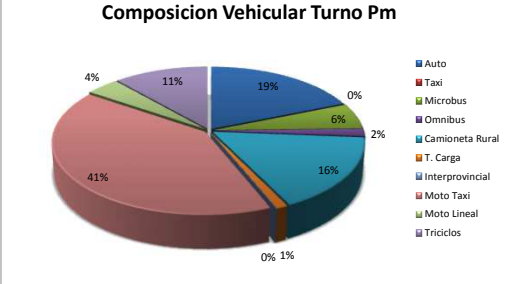
Intersección	JR. GONZALES PRADO-JR. HUANCANE	Distrito	JULIACA
Fecha	18/07/2016	Turno	Pm
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1293	Hora pico de la intersección	18:30 A 19:30



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	26	10	0	0	0	0	0	6	188	0	0	0	0	0	0	230	19%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	70	6%
Omnibus	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20	2%
Camioneta Rural	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	201	16%
T. Carga	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13	1%
Interprovincial	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0%
Moto Taxi	0	133	29	0	0	0	0	0	7	328	0	0	0	0	0	0	497	41%
Moto Lineal	0	1	10	0	0	0	0	0	0	38	0	0	0	0	0	0	49	4%
Triciclos	0	22	4	0	0	0	0	0	4	110	0	0	0	0	0	0	140	11%
Total Vehiculos	0	183	53	0	0	0	0	0	17	967	0	0	0	0	0	0	1220	100%
UCP	0	155	40	0	0	0	0	0	15	1083	0	0	0	0	0	0	1293	
Factor HP	0.00	0.74	0.78	0.00	0.00	0.00	0.00	0.00	0.85	0.90	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

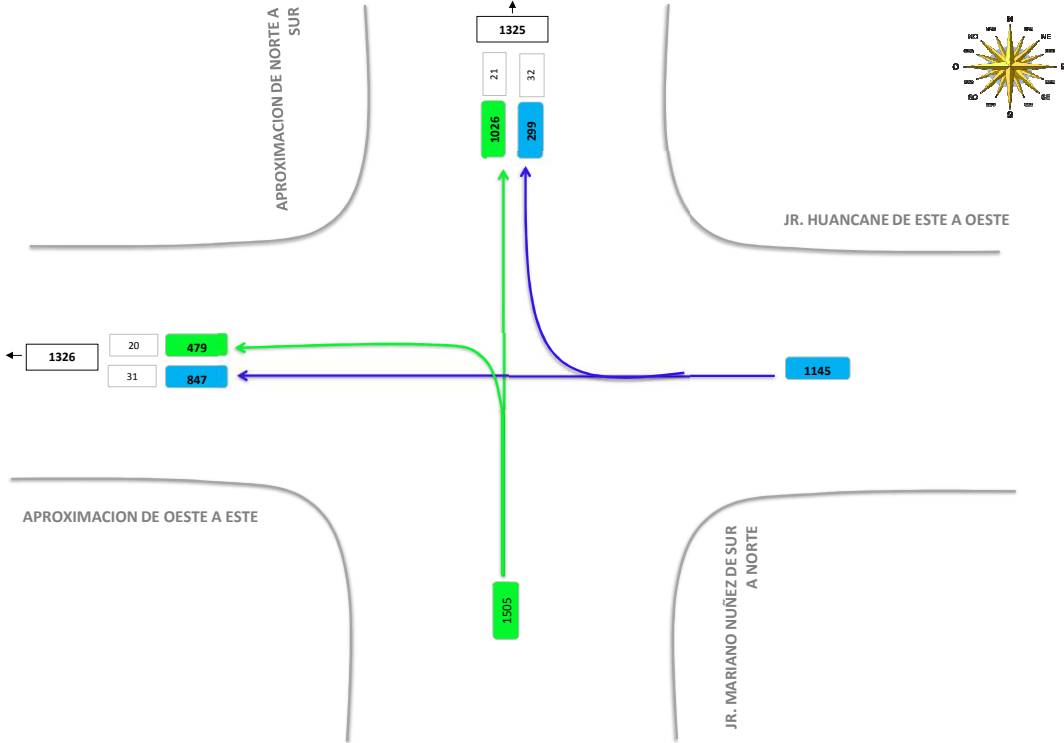
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	26	10	0	0	0	0	0	6	188	0	0	0	0	0	0	230	19%
Transporte Publico	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0	291.15	24%
Transporte Pesado	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13.01	1%
Interprovincial	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0%
Vehiculos Menores	0	156	43	0	0	0	0	0	11	475	0	0	0	0	0	0	685.02	56%
Total	0	183	53	0	0	0	0	0	17	967	0	0	0	0	0	0	1220.2	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0		0.04903	6	22.59
	11	155	2	0.74	57.0842				
	12	40	2	0.78	15.7324				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0		0.33122	6	22.59
	30	15	2	0.85	6.29425				
	31	1083	2	0.90	485.572				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

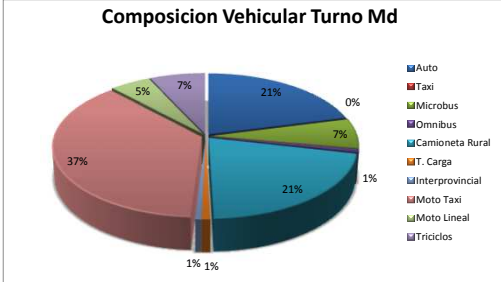
Interseccion	JR. MARIANO NUÑEZ - JR. HUANCANE	Distrito	JULIACA
Fecha	18/07/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	2651	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	60	206	0	0	0	194	52	0	0	0	0	0	512	21%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	60	31	0	0	0	75	0	0	0	0	0	0	166	7%
Omnibus	0	0	0	0	0	1	0	0	0	11	7	0	0	0	0	0	19	1%
Camioneta Rural	0	0	0	0	137	223	0	0	0	103	50	0	0	0	0	0	513	21%
T. Carga	0	0	0	0	0	9	0	0	0	7	4	0	0	0	0	0	20	1%
Interprovincial	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	14	1%
Moto Taxi	0	0	0	0	81	416	0	0	0	308	101	0	0	0	0	0	906	37%
Moto Lineal	0	0	0	0	34	31	0	0	0	37	20	0	0	0	0	0	122	5%
Triciclos	0	0	0	0	20	35	0	0	0	43	70	0	0	0	0	0	168	7%
Total Vehiculos	0	0	0	0	392	966	0	0	0	779	304	0	0	0	0	0	2441	100%
UCP	0	0	0	0	479	1026	0	0	0	847	299	0	0	0	0	0	2651	
Factor HP	0.00	0.00	0.00	0.00	0.98	0.88	0.00	0.00	0.00	0.78	0.90	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	2.3%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%		

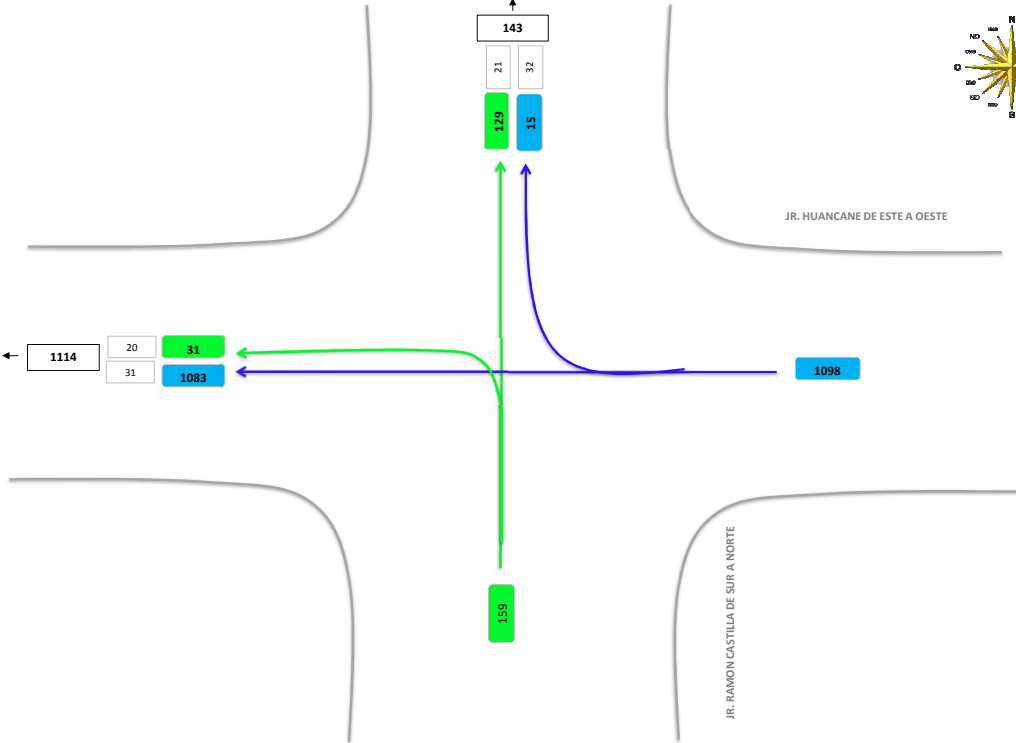
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	60	206	0	0	0	194	52	0	0	0	0	0	512	21%
Transporte Publico	0	0	0	0	197	255	0	0	0	190	56	0	0	0	0	0	698	29%
Transporte Pesado	0	0	0	0	0	9	0	0	0	7	4	0	0	0	0	0	20.45	1%
Interprovincial	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	14	1%
Vehiculos Menores	0	0	0	0	135	482	0	0	0	388	191	0	0	0	0	0	1196.3	49%
Total	0	0	0	0	392	966	0	0	0	779	304	0	0	0	0	0	2440.8	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.46301	0.77506	6	62.2396
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	479	2	0.98	234.234				
	21	1026	2	0.88	453.342				
II	22	0	2	0.00	0	0.31205	0.77506	6	62.2396
	30	0	2	0.00	0				
	31	847	2	0.78	329.025				
	32	299	2	0.90	134.367				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

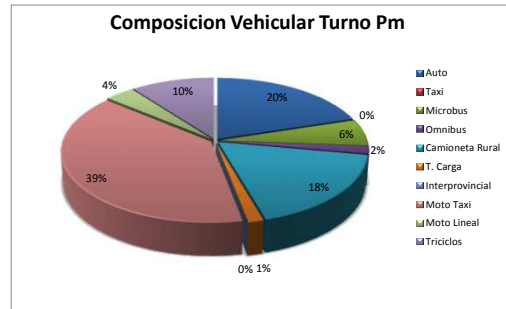
Interseccion: JR. RAMON CASTILLA-JR. HUANCANE
 Fecha: 18/07/2016
 Dia: LUNES
 Distrito: JULIACA
 Turno: Pm
 Hora Pico del Sistema: 18:30 A 19:30
 Flujo vehicular en Hora Pico: 1257
 Hora pico de la interseccion: 18:30 A 19:30



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	8	32	0	0	0	188	6	0	0	0	0	0	234	20%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	70	6%
Omnibus	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20	2%
Camioneta Rural	0	0	0	0	0	4	0	0	0	201	0	0	0	0	0	0	205	18%
T. Carga	0	0	0	0	0	4	0	0	0	13	0	0	0	0	0	0	17	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	24	96	0	0	0	328	7	0	0	0	0	0	455	39%
Moto Lineal	0	0	0	0	0	4	0	0	0	38	0	0	0	0	0	0	42	4%
Triciclos	0	0	0	0	4	2	0	0	0	110	4	0	0	0	0	0	120	10%
Total Vehiculos	0	0	0	0	36	142	0	0	0	967	17	0	0	0	0	0	1162	100%
UCP	0	0	0	0	31	129	0	0	0	1083	15	0	0	0	0	0	1257	
Factor HP	0.00	0.00	0.00	0.00	0.82	0.81	0.00	0.00	0.00	1.38	1.42	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

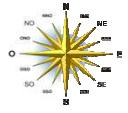
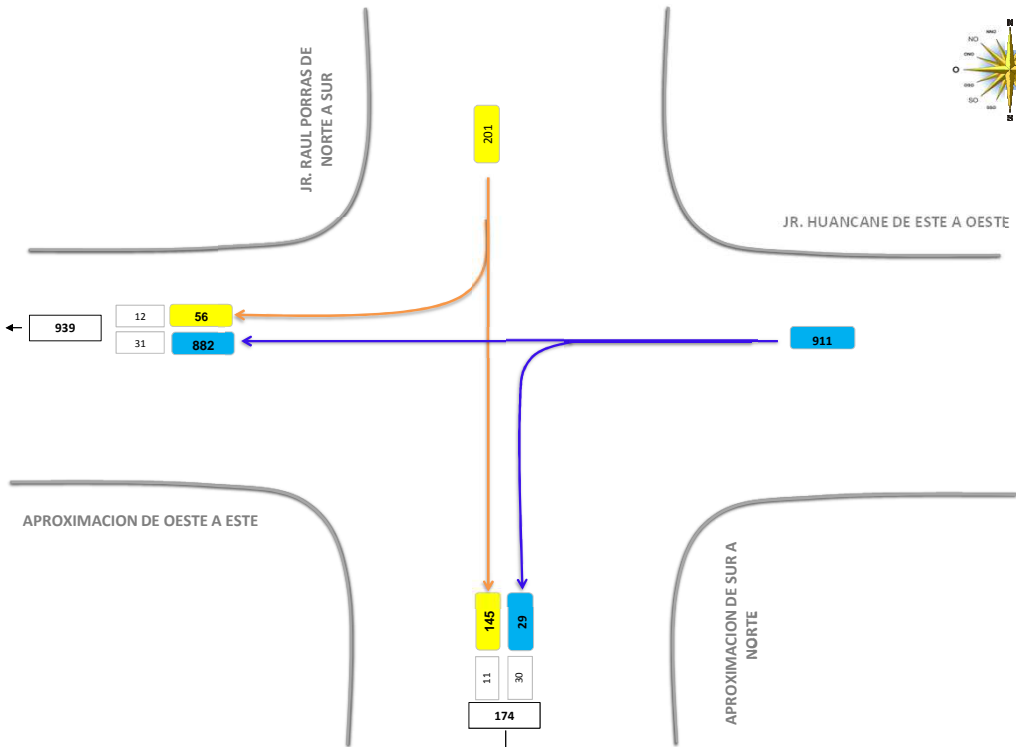
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	8	32	0	0	0	188	6	0	0	0	0	0	234	20%
Transporte Publico	0	0	0	0	0	4	0	0	0	291	0	0	0	0	0	0	295.15	25%
Transporte Pesado	0	0	0	0	0	4	0	0	0	13	0	0	0	0	0	0	17.01	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	28	102	0	0	0	475	11	0	0	0	0	0	616.02	53%
Total	0	0	0	0	36	142	0	0	0	967	17	0	0	0	0	0	1162.2	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.04343	0.55296	6	31.3171
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	31	2	0.82	12.6491				
	21	129	2	0.81	51.8381				
II	22	0	2	0.00	0	0.50953	0.55296	6	31.3171
	30	0	2	0.00	0				
	31	1083	2	1.38	746.168				
	32	15	2	1.42	10.4904				
	40	0	2	0.00	0				
41	0	2	0.00	0					
42	0	2	0.00	0					



FLUJOGRAMA VEHICULAR CLASIFICADO

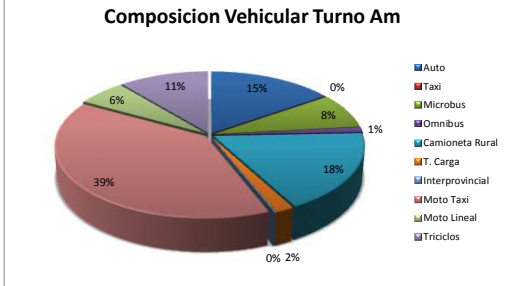
Intersección	JR. RAUL PORRAS-JR. HUANCANE	Distrito	JULIACA
Fecha	18/07/2016	Turno	Am
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1112	Hora pico de la intersección	7:15 A 8:15



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	17	9	0	0	0	0	0	7	125	0	0	0	0	0	0	158	15%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	82	8%
Omnibus	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12	1%
Camioneta Rural	0	0	0	0	0	0	0	0	0	183	0	0	0	0	0	0	183	18%
T. Carga	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	18	2%
Interprovincial	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0%
Moto Taxi	0	135	53	0	0	0	0	0	15	201	0	0	0	0	0	0	404	39%
Moto Lineal	0	3	3	0	0	0	0	0	3	52	0	0	0	0	0	0	61	6%
Triciclos	0	16	3	0	0	0	0	0	11	84	0	0	0	0	0	0	114	11%
Total Vehiculos	0	173	68	0	0	0	0	0	36	757	0	0	0	0	0	0	1034	100%
UCP	0	145	56	0	0	0	0	0	29	882	0	0	0	0	0	0	1112	
Factor HP	0.00	0.77	0.46	0.00	0.00	0.00	0.00	0.00	0.75	0.90	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

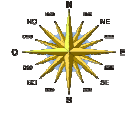
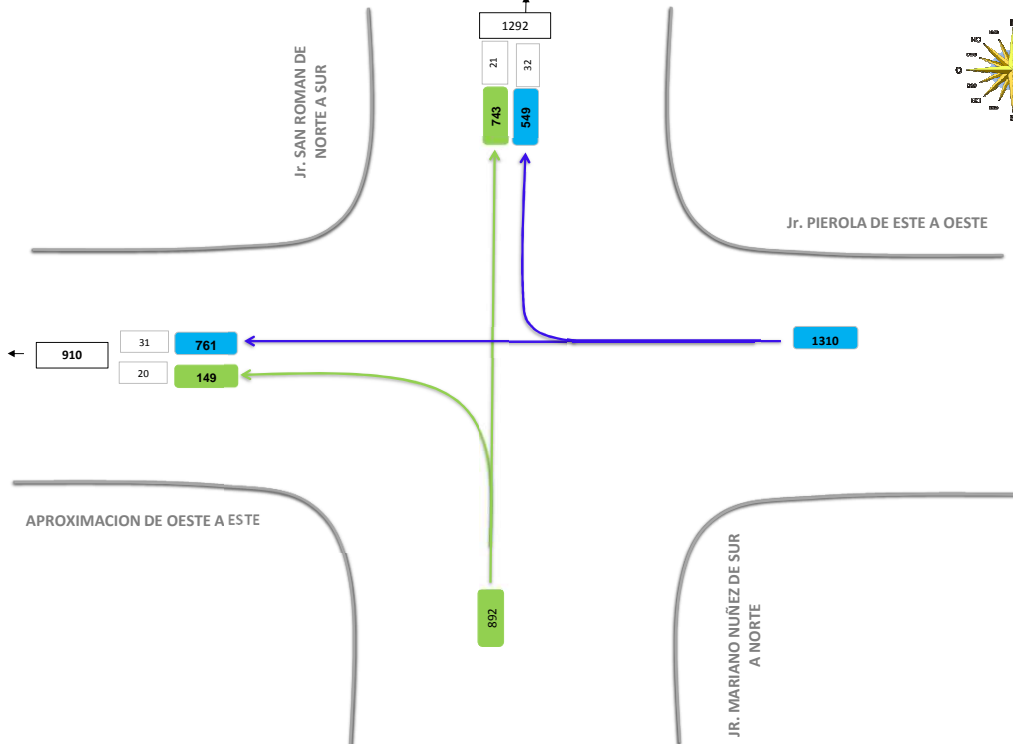
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	17	9	0	0	0	0	0	7	125	0	0	0	0	0	0	158	15%
Transporte Publico	0	0	0	0	0	0	0	0	0	277	0	0	0	0	0	0	277	27%
Transporte Pesado	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	18	2%
Interprovincial	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0%
Vehiculos Menores	0	154	59	0	0	0	0	0	29	337	0	0	0	0	0	0	579	56%
Total	0	173	68	0	0	0	0	0	36	757	0	0	0	0	0	0	1034	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.04642	0.32017	6	20.5933
	11	145	2	0.77	56.0088				
	12	56	2	0.46	12.9177				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.27375	0.32017	6	20.5933
	30	29	2	0.75	10.7588				
	31	882	2	0.90	395.761				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

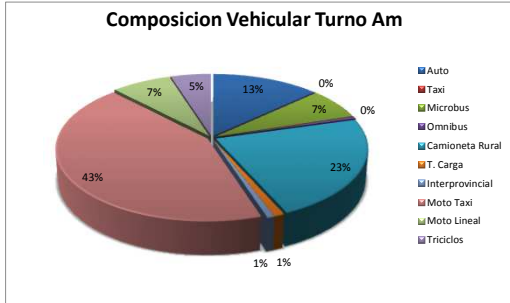
Intersección: JR. MARIANO MUÑOZ - JR. PIEROLA
 Fecha: 22/08/2016
 Día: LUNES
 Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 8:00 A 9:00
 Hora pico de la intersección: 8:00 A 9:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	42	69	0	0	0	105	53	0	0	0	0	0	269	13%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	8	47	0	0	0	48	40	0	0	0	0	0	143	7%
Omnibus	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10	0%
Camioneta Rural	0	0	0	0	12	175	0	0	0	65	215	0	0	0	0	0	467	23%
T. Carga	0	0	0	0	3	8	0	0	0	9	0	0	0	0	0	0	20	1%
Interprovincial	0	0	0	0	0	8	0	0	0	4	2	0	0	0	0	0	14	1%
Moto Taxi	0	0	0	0	78	242	0	0	0	468	92	0	0	0	0	0	880	43%
Moto Lineal	0	0	0	0	5	54	0	0	0	63	27	0	0	0	0	0	149	7%
Triciclos	0	0	0	0	1	54	0	0	0	39	7	0	0	0	0	0	101	5%
Total Vehículos	0	0	0	0	149	667	0	0	0	801	436	0	0	0	0	0	2053	100%
UCP	0	0	0	0	149	743	0	0	0	761	549	0	0	0	0	0	2202	
Factor HP	0.00	0.00	0.00	0.00	0.81	0.88	0.00	0.00	0.00	0.83	0.86	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	2.0%	2.7%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

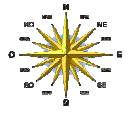
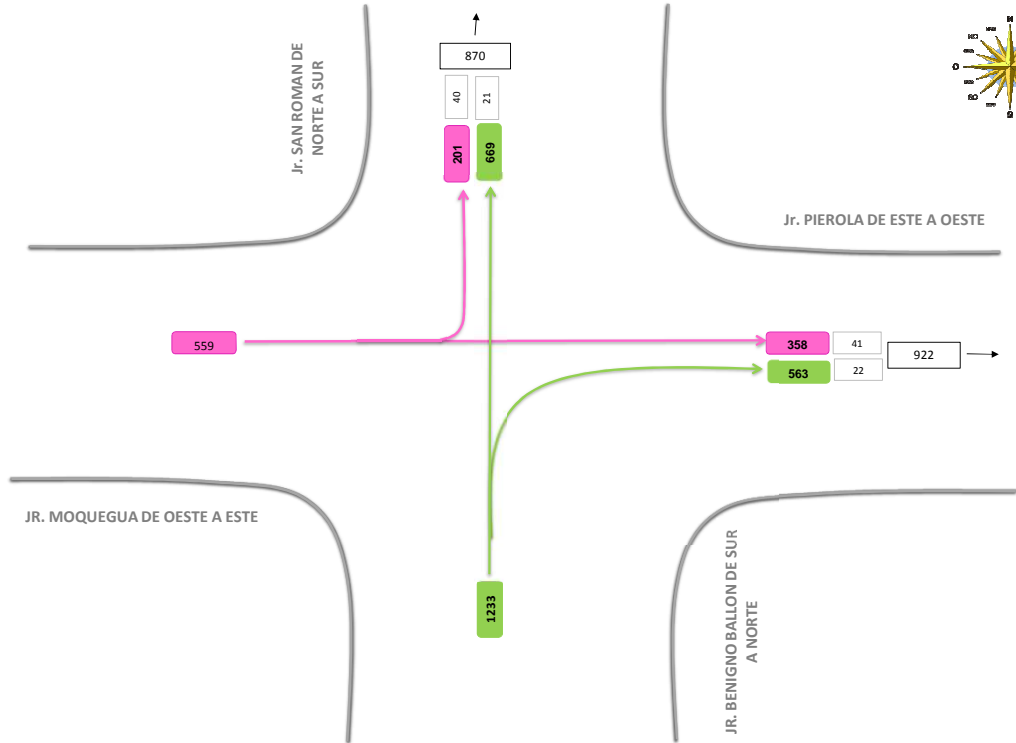
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	42	69	0	0	0	105	53	0	0	0	0	0	269	13%
Transporte Publico	0	0	0	0	20	232	0	0	0	113	255	0	0	0	0	0	620	30%
Transporte Pesado	0	0	0	0	3	8	0	0	0	9	0	0	0	0	0	0	20	1%
Interprovincial	0	0	0	0	0	8	0	0	0	4	2	0	0	0	0	0	14	1%
Vehiculos Menores	0	0	0	0	84	350	0	0	0	570	126	0	0	0	0	0	1130	55%
Total	0	0	0	0	149	667	0	0	0	801	436	0	0	0	0	0	2053	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.26129	0.63373	6	38.2228
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	149	2	0.81	60.3855				
	21	743	2	0.88	327.624				
II	22	0	2	0.00	0	0.37244	0.63373	6	38.2228
	30	0	2	0.00	0				
	31	761	2	0.83	317.471				
	32	549	2	0.86	235.603				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

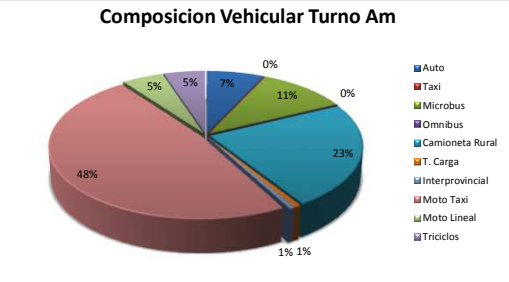
Interseccion: Jr. BENIGNO BALLON-JR.MOQUEGUA
 Fecha: 22/08/2016
 Dia: LUNES
 Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 7:45 A 8:45
 Hora pico de la interseccion: 7:45 A 8:45
 Flujo vehicular en Hora Pico: 1792



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	37	21	0	0	0	0	0	7	53	0	0	118	7%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	9	173	0	0	0	0	0	0	0	0	0	182	11%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	326	48	0	0	0	0	0	0	19	0	0	393	23%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	1%
Interprovincial	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	9	1%
Moto Taxi	0	0	0	0	0	173	133	0	0	0	0	0	231	271	0	0	808	48%
Moto Lineal	0	0	0	0	0	32	24	0	0	0	0	0	2	27	0	0	85	5%
Triciclos	0	0	0	0	0	32	24	0	0	0	0	0	2	27	0	0	85	5%
Total Vehiculos	0	0	0	0	0	618	423	0	0	0	0	0	242	408	0	0	1691	100%
UCP	0	0	0	0	0	669	563	0	0	0	0	0	201	358	0	0	1792	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.87	0.81	0.00	0.00	0.00	0.00	0.00	0.78	0.72	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%		

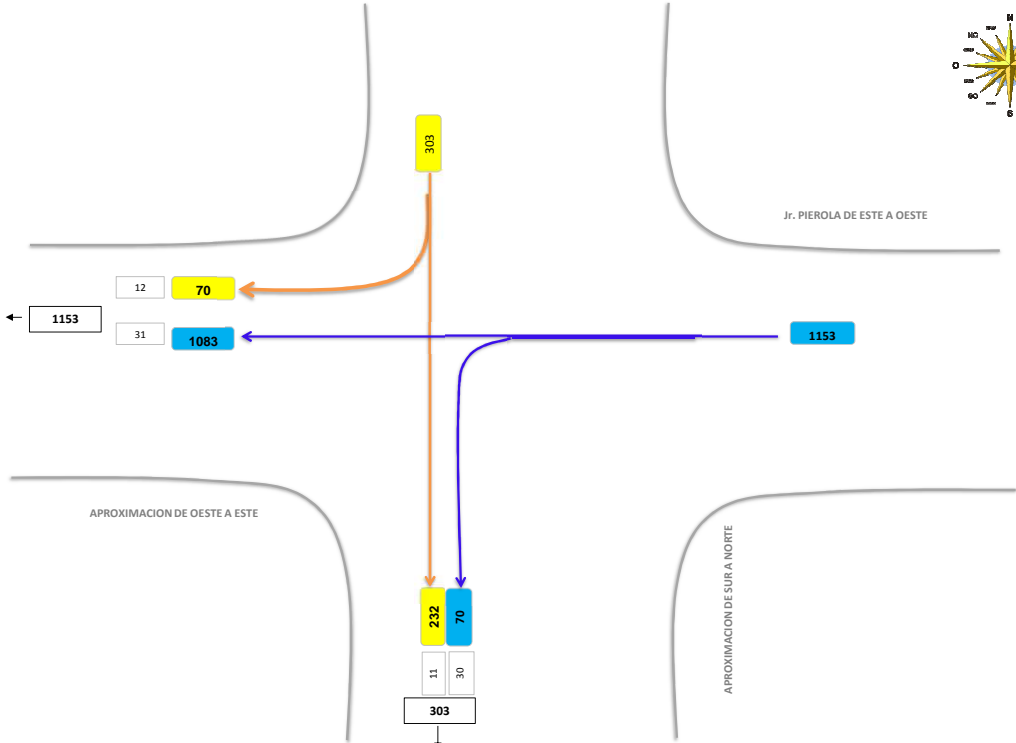
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	37	21	0	0	0	0	0	7	53	0	0	118	7%
Transporte Publico	0	0	0	0	0	335	221	0	0	0	0	0	0	19	0	0	575	34%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	1%
Interprovincial	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	9	1%
Vehiculos Menores	0	0	0	0	0	237	181	0	0	0	0	0	235	325	0	0	978	58%
Total	0	0	0	0	0	618	423	0	0	0	0	0	242	408	0	0	1691	100%

Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.34986	0.48899	6	27.3967
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	669	2	0.87	292.175				
	22	563	2	0.81	227.367				
II	30	0	2	0.00	0	0.13913	0.48899	6	27.3967
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	201	2	0.78	77.9093				
	41	358	2	0.72	128.7				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

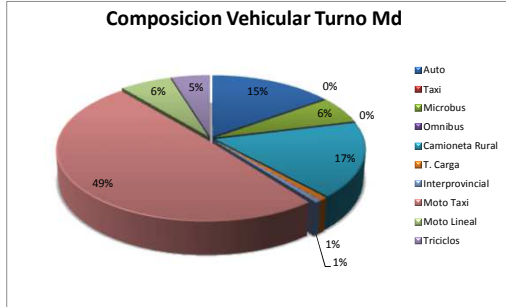
Interseccion	JR. APURIMAC-JR. PIEROLA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1456	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	79	22	0	0	0	0	0	22	92	0	0	0	0	0	0	215	15%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	87	6%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	2	0	0	0	0	0	0	0	241	0	0	0	0	0	0	243	17%
T. Carga	0	2	0	0	0	0	0	0	0	9	0	0	0	0	0	0	11	1%
Interprovincial	0	7	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9	1%
Moto Taxi	0	162	40	0	0	0	0	0	40	464	0	0	0	0	0	0	706	49%
Moto Lineal	0	2	14	0	0	0	0	0	14	60	0	0	0	0	0	0	90	6%
Triciclos	0	1	14	0	0	0	0	0	14	39	0	0	0	0	0	0	68	5%
Total Vehiculos	0	255	90	0	0	0	0	0	90	994	0	0	0	0	0	0	1429	100%
UCP	0	232	70	0	0	0	0	0	70	1083	0	0	0	0	0	0	1456	
Factor HP	0.00	0.94	0.90	0.00	0.00	0.00	0.00	0.00	4.09	0.91	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

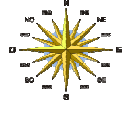
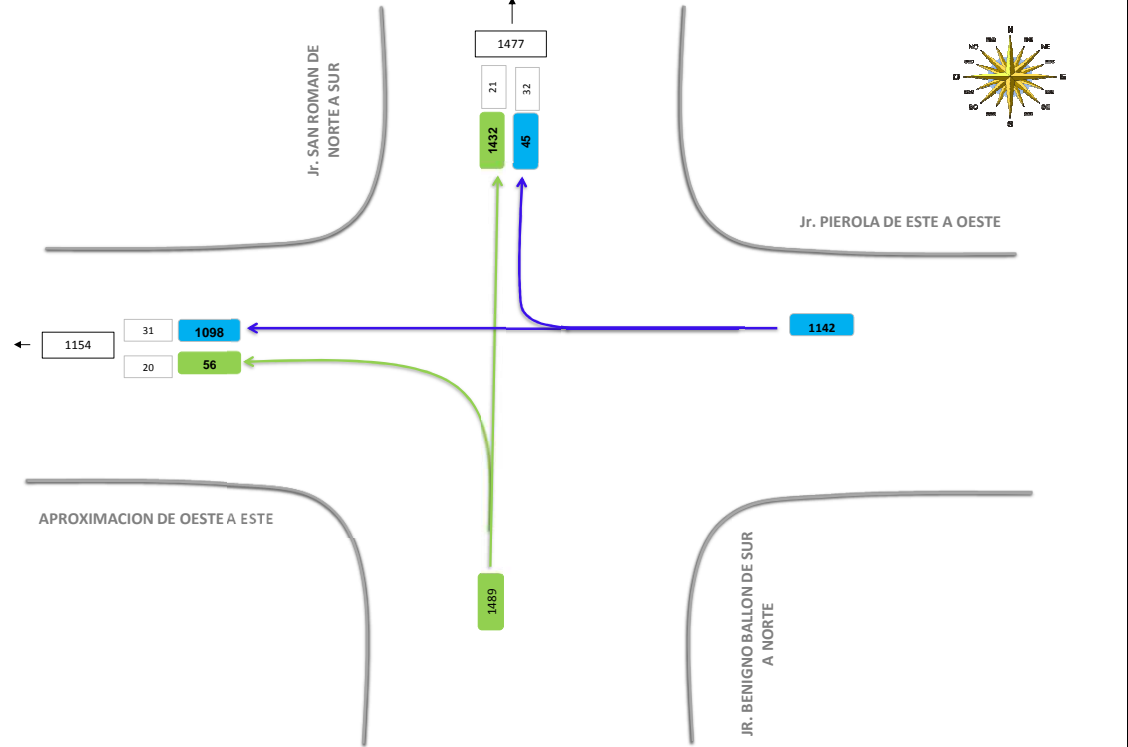
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	79	22	0	0	0	0	0	22	92	0	0	0	0	0	0	215	15%
Transporte Publico	0	2	0	0	0	0	0	0	0	328	0	0	0	0	0	0	330	23%
Transporte Pesado	0	2	0	0	0	0	0	0	0	9	0	0	0	0	0	0	11	1%
Interprovincial	0	7	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9	1%
Vehiculos Menores	0	165	68	0	0	0	0	0	68	563	0	0	0	0	0	0	864	60%
Total	0	255	90	0	0	0	0	0	90	994	0	0	0	0	0	0	1429	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.09466	0.52213	6	29.2965
	11	232	2	0.94	108.923				
	12	70	2	0.90	31.644				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.42747	0.52213	6	29.2965
	30	70	2	4.09	143.836				
	31	1083	2	0.91	490.955				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
41	0	2	0.00	0					
42	0	2	0.00	0					



FLUJOGRAMA VEHICULAR CLASIFICADO

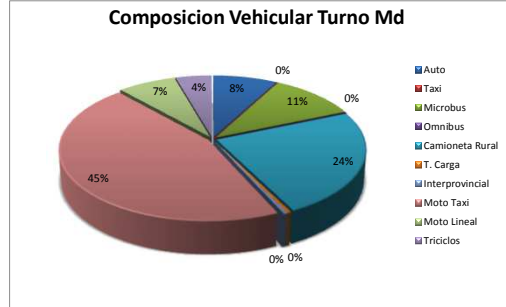
Interseccion Fecha Dia Flujo vehicular en Hora Pico	Jr. PIEROLA-JR.APURIMAC 22/08/2016 LUNES 2631	Distrito Turno Hora Pico del Sistema Hora pico de la interseccion	JULIACA Md 12:00 A 13:00
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Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	7	68	0	0	0	107	7	0	0	0	0	0	189	8%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	171	0	0	0	87	0	0	0	0	0	0	258	11%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	332	0	0	0	241	0	0	0	0	0	0	573	24%
T. Carga	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	0%
Interprovincial	0	0	0	0	0	7	0	0	0	2	0	0	0	0	0	0	9	0%
Moto Taxi	0	0	0	0	9	569	0	0	0	472	32	0	0	0	0	0	1082	45%
Moto Lineal	0	0	0	0	49	49	0	0	0	72	2	0	0	0	0	0	172	7%
Triciclos	0	0	0	0	34	34	0	0	0	25	14	0	0	0	0	0	107	4%
Total Vehiculos	0	0	0	0	99	1230	0	0	0	1015	55	0	0	0	0	0	2399	100%
UCP	0	0	0	0	56	1432	0	0	0	1098	45	0	0	0	0	0	2631	
Factor HP	0.00	0.00	0.00	0.00	0.95	0.93	0.00	0.00	0.00	0.91	0.86	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

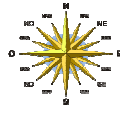
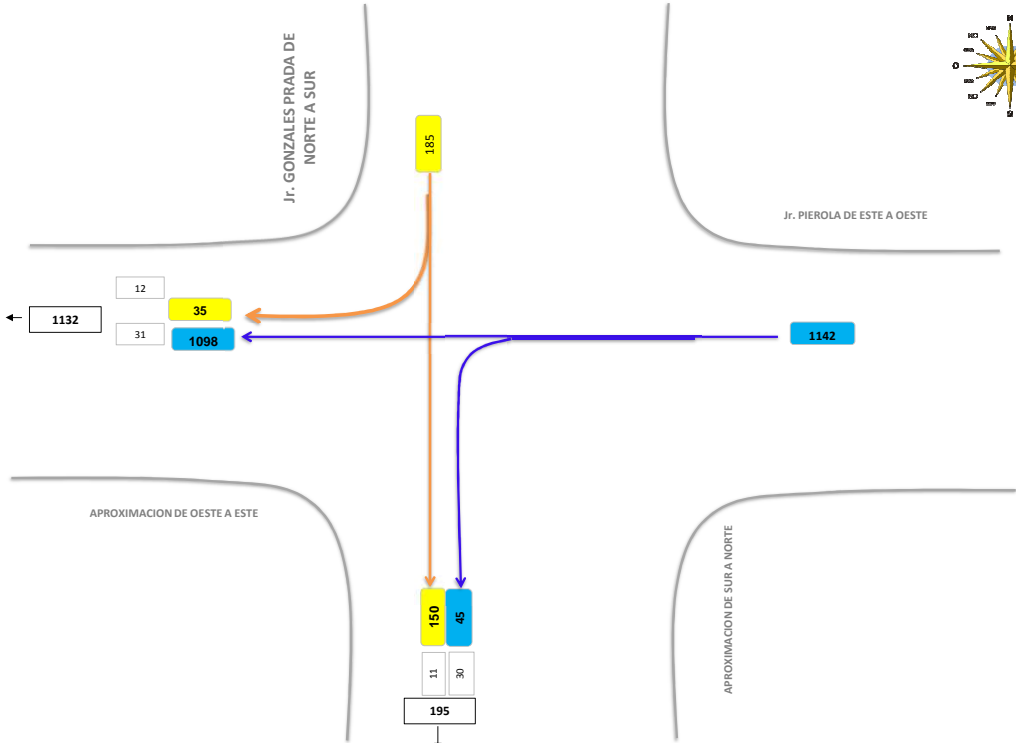
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	7	68	0	0	0	107	7	0	0	0	0	0	189	8%
Transporte Publico	0	0	0	0	0	503	0	0	0	328	0	0	0	0	0	0	831	35%
Transporte Pesado	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	0%
Interprovincial	0	0	0	0	0	7	0	0	0	2	0	0	0	0	0	0	9	0%
Vehiculos Menores	0	0	0	0	92	652	0	0	0	569	48	0	0	0	0	0	1361	57%
Total	0	0	0	0	99	1230	0	0	0	1015	55	0	0	0	0	0	2399	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.4647	0.81381	6	75.1933
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	56	2	0.95	26.7205				
	21	1432	2	0.93	663.366				
II	22	0	2	0.00	0				
	30	0	2	0.00	0				
	31	1098	2	0.91	499.21				
	32	45	2	0.86	19.2156				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

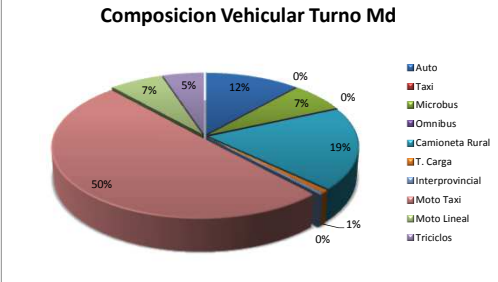
Intersección	JR. GONZALES PRADA-JR. PIEROLA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1327	Hora pico de la intersección	12:00 A 13:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	26	10	0	0	0	0	0	7	107	0	0	0	0	0	0	150	12%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	87	7%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	241	0	0	0	0	0	0	241	19%
T. Carga	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1%
Interprovincial	0	2	1	0	0	0	0	0	0	2	0	0	0	0	0	0	5	0%
Moto Taxi	0	123	22	0	0	0	0	0	32	472	0	0	0	0	0	0	649	50%
Moto Lineal	0	1	10	0	0	0	0	0	2	72	0	0	0	0	0	0	85	7%
Triciclos	0	25	2	0	0	0	0	0	14	25	0	0	0	0	0	0	66	5%
Total Vehículos	0	177	45	0	0	0	0	0	55	1015	0	0	0	0	0	0	1292	100%
UCP	0	150	35	0	0	0	0	0	45	1098	0	0	0	0	0	0	1327	
Factor HP	0.00	0.96	0.75	0.00	0.00	0.00	0.00	0.00	3.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

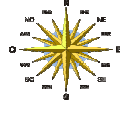
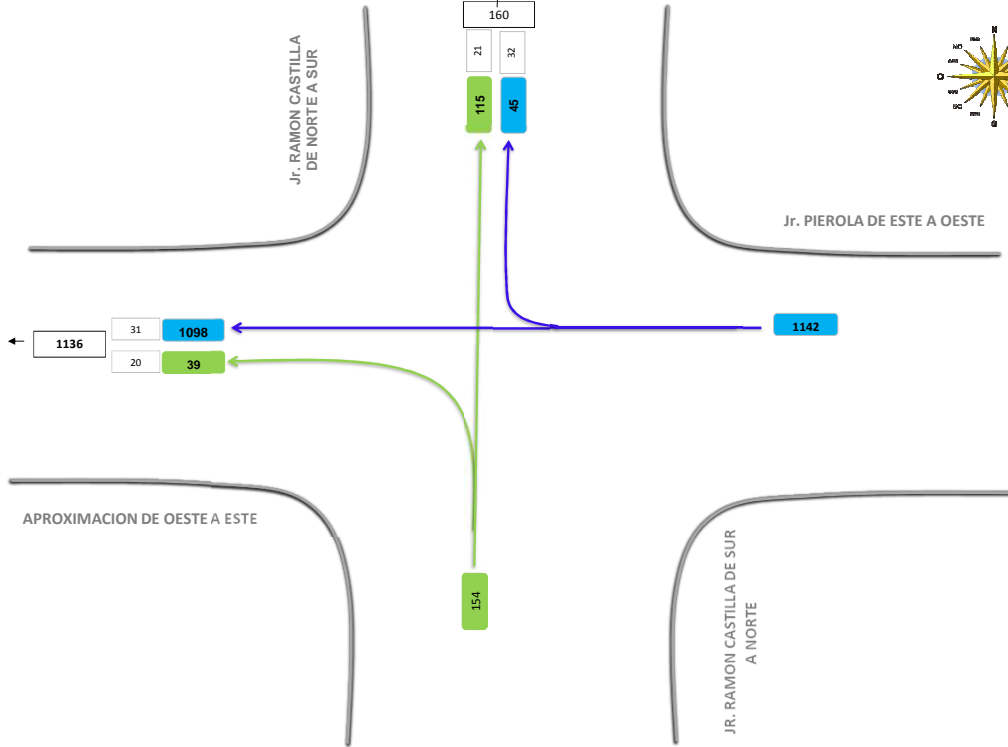
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	26	10	0	0	0	0	0	7	107	0	0	0	0	0	0	150	12%
Transporte Publico	0	0	0	0	0	0	0	0	0	328	0	0	0	0	0	0	328	25%
Transporte Pesado	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1%
Interprovincial	0	2	1	0	0	0	0	0	0	2	0	0	0	0	0	0	5	0%
Vehículos Menores	0	149	34	0	0	0	0	0	48	569	0	0	0	0	0	0	800	62%
Total	0	177	45	0	0	0	0	0	55	1015	0	0	0	0	0	0	1292	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.05737	0.45269	6	25.5795
	11	150	2	0.96	72.2285				
	12	35	2	0.75	12.96				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.39532	0.45269	6	25.5795
	30	45	2	3.93	87.8429				
	31	1098	2	0.91	499.21				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

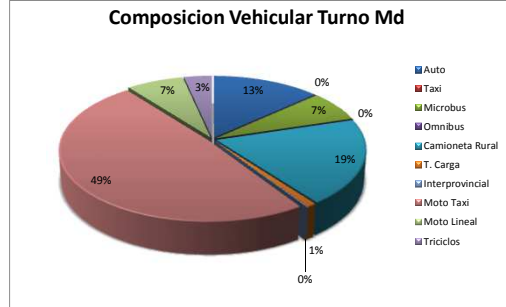
Interseccion	Jr. RAMON CASTILLA -JR.PIEROLA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1296	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	10	42	0	0	0	107	7	0	0	0	0	0	166	13%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	87	7%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	2	0	0	0	241	0	0	0	0	0	0	243	19%
T. Carga	0	0	0	0	0	2	0	0	0	9	0	0	0	0	0	0	11	1%
Interprovincial	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0%
Moto Taxi	0	0	0	0	34	71	0	0	0	472	32	0	0	0	0	0	609	49%
Moto Lineal	0	0	0	0	1	13	0	0	0	72	2	0	0	0	0	0	88	7%
Triciclos	0	0	0	0	0	4	0	0	0	25	14	0	0	0	0	0	43	3%
Total Vehiculos	0	0	0	0	45	134	0	0	0	1015	55	0	0	0	0	0	1249	100%
UCP	0	0	0	0	39	115	0	0	0	1098	45	0	0	0	0	0	1296	
Factor HP	0.00	0.00	0.00	0.00	0.70	0.88	0.00	0.00	0.00	0.91	0.86	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

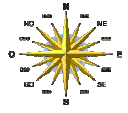
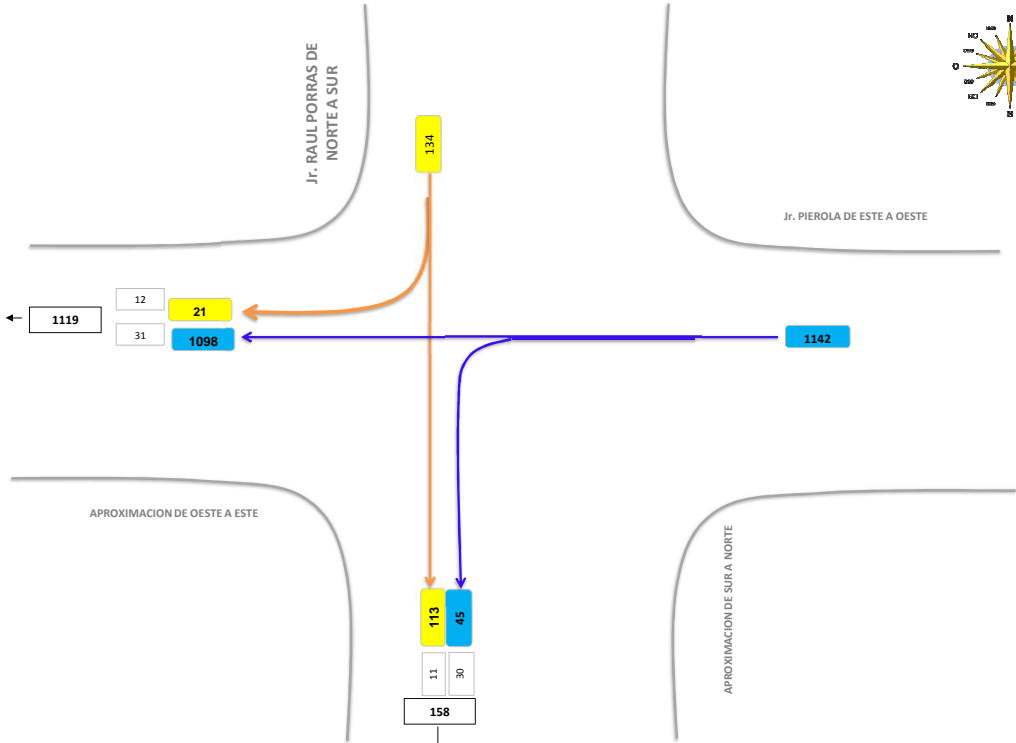
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	10	42	0	0	0	107	7	0	0	0	0	0	166	13%
Transporte Publico	0	0	0	0	0	2	0	0	0	328	0	0	0	0	0	0	330	26%
Transporte Pesado	0	0	0	0	0	2	0	0	0	9	0	0	0	0	0	0	11	1%
Interprovincial	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0%
Vehiculos Menores	0	0	0	0	35	88	0	0	0	569	48	0	0	0	0	0	740	59%
Total	0	0	0	0	45	134	0	0	0	1015	55	0	0	0	0	0	1249	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.04333	0.39244	6	23.0428
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	39	2	0.70	13.5527				
	21	115	2	0.88	50.7878				
	22	0	2	0.00	0				
II	30	0	2	0.00	0	0.34911	0.39244	6	23.0428
	31	1098	2	0.91	499.21				
	32	45	2	0.86	19.2156				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

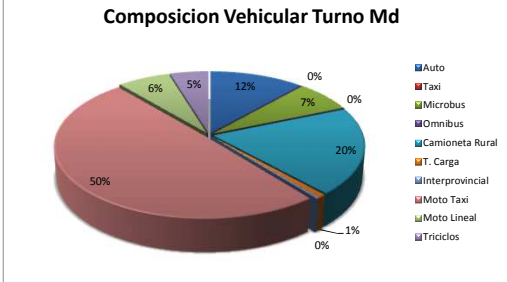
Intersección	Jr. PIEROLA-JR. RAUL PORRAS	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1277	Hora pico de la intersección	12:00 A 13:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	18	10	0	0	0	0	0	7	107	0	0	0	0	0	0	142	12%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	87	7%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	241	0	0	0	0	0	0	241	20%
T. Carga	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1%
Interprovincial	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0%
Moto Taxi	0	95	10	0	0	0	0	0	32	472	0	0	0	0	0	0	609	50%
Moto Lineal	0	1	4	0	0	0	0	0	2	72	0	0	0	0	0	0	79	6%
Triciclos	0	17	2	0	0	0	0	0	14	25	0	0	0	0	0	0	58	5%
Total Vehiculos	0	133	26	0	0	0	0	0	55	1015	0	0	0	0	0	0	1229	100%
UCP	0	113	21	0	0	0	0	0	45	1098	0	0	0	0	0	0	1277	
Factor HP	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00	3.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

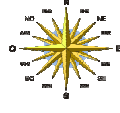
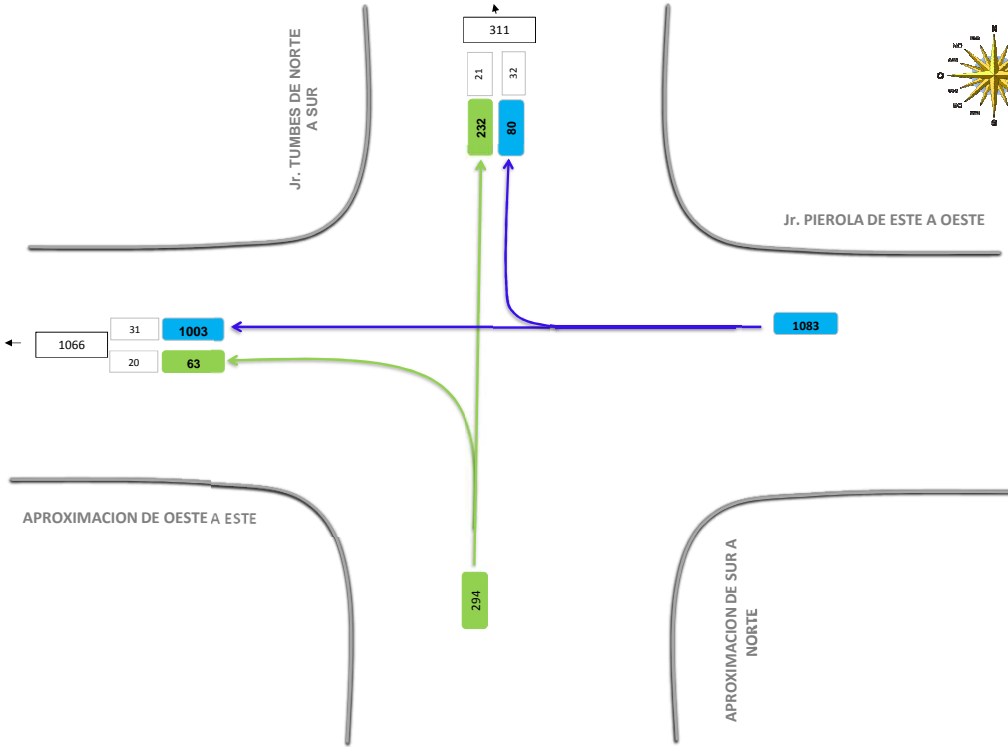
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	18	10	0	0	0	0	0	7	107	0	0	0	0	0	0	142	12%
Transporte Publico	0	0	0	0	0	0	0	0	0	328	0	0	0	0	0	0	328	27%
Transporte Pesado	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1%
Interprovincial	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0%
Vehiculos Menores	0	113	16	0	0	0	0	0	48	569	0	0	0	0	0	0	746	61%
Total	0	133	26	0	0	0	0	0	55	1015	0	0	0	0	0	0	1229	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.03612	0.43144	6	24.6238
	11	113	2	0.95	53.6418				
	12	21	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.39532	0.43144	6	24.6238
	30	45	2	3.93	87.8429				
	31	1098	2	0.91	499.21				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

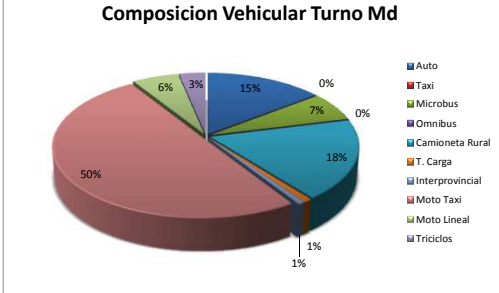
Interseccion	JR. TUMBES-Jr. PIEROLA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1377	Hora pico de la Interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	22	79	0	0	0	52	40	0	0	0	0	0	193	15%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	87	7%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	2	0	0	0	241	0	0	0	0	0	0	243	18%
T. Carga	0	0	0	0	0	2	0	0	0	9	0	0	0	0	0	0	11	1%
Interprovincial	0	0	0	0	0	7	0	0	0	2	0	0	0	0	0	0	9	1%
Moto Taxi	0	0	0	0	40	162	0	0	0	425	39	0	0	0	0	0	666	50%
Moto Lineal	0	0	0	0	14	2	0	0	0	58	2	0	0	0	0	0	76	6%
Triciclos	0	0	0	0	4	0	0	0	0	30	9	0	0	0	0	0	43	3%
Total Vehiculos	0	0	0	0	80	254	0	0	0	904	90	0	0	0	0	0	1328	100%
UCP	0	0	0	0	63	232	0	0	0	1003	80	0	0	0	0	0	1377	
Factor HP	0.00	0.00	0.00	0.00	0.80	0.93	0.00	0.00	0.00	0.90	0.80	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

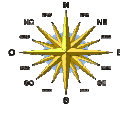
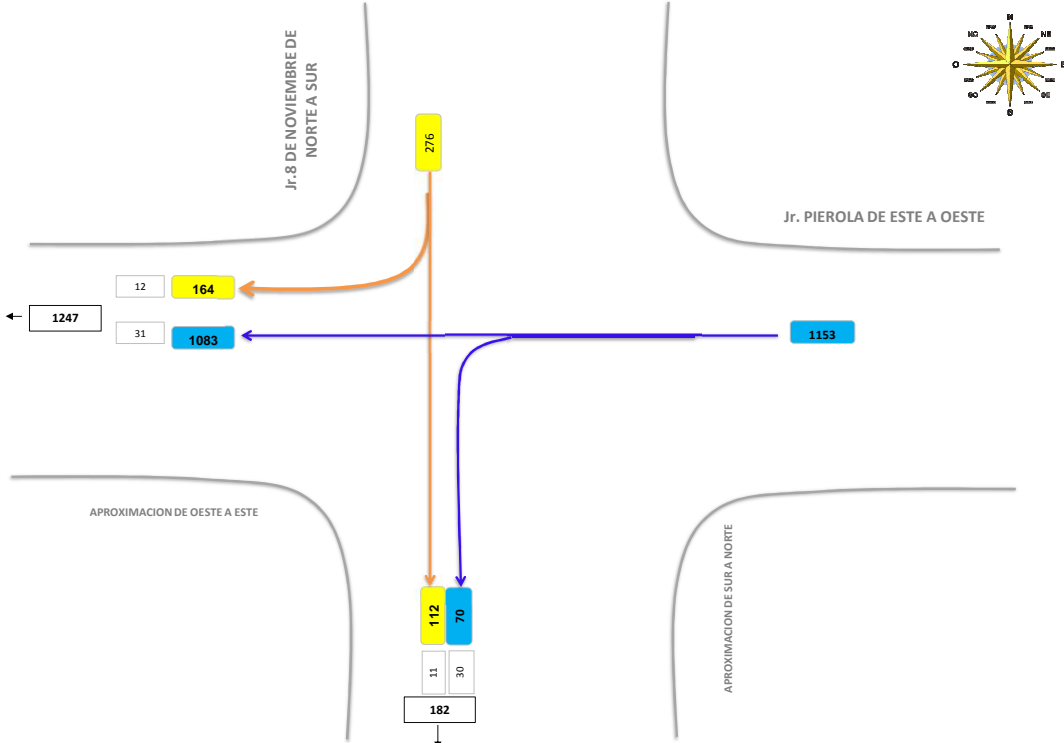
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	22	79	0	0	0	52	40	0	0	0	0	0	193	15%
Transporte Publico	0	0	0	0	0	2	0	0	0	328	0	0	0	0	0	0	330	25%
Transporte Pesado	0	0	0	0	0	2	0	0	0	9	0	0	0	0	0	0	11	1%
Interprovincial	0	0	0	0	0	7	0	0	0	2	0	0	0	0	0	0	9	1%
Vehiculos Menores	0	0	0	0	58	164	0	0	0	513	50	0	0	0	0	0	785	59%
Total	0	0	0	0	80	254	0	0	0	904	90	0	0	0	0	0	1328	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.08975	0.41659	6	23.9968
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	63	2	0.80	25.128				
	21	232	2	0.93	108.146				
II	22	0	2	0.00	0	0.32684	0.41659	6	23.9968
	30	0	2	0.00	0				
	31	1003	2	0.90	453.306				
	32	80	2	0.80	32.0545				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

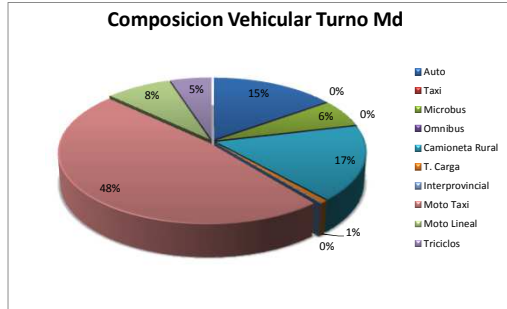
Interseccion	JR.8 NOVIEMBRE-JR.PIEROLA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1429	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	50	52	0	0	0	0	0	22	92	0	0	0	0	0	0	216	15%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	87	6%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	241	0	0	0	0	0	0	241	17%
T. Carga	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1%
Interprovincial	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0%
Moto Taxi	0	67	110	0	0	0	0	0	40	464	0	0	0	0	0	0	681	48%
Moto Lineal	0	15	25	0	0	0	0	0	14	60	0	0	0	0	0	0	114	8%
Triciclos	0	2	17	0	0	0	0	0	14	39	0	0	0	0	0	0	72	5%
Total Vehiculos	0	134	204	0	0	0	0	0	90	994	0	0	0	0	0	0	1422	100%
UCP	0	112	164	0	0	0	0	0	70	1083	0	0	0	0	0	0	1429	
Factor HP	0.00	0.86	0.91	0.00	0.00	0.00	0.00	0.00	4.09	0.91	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

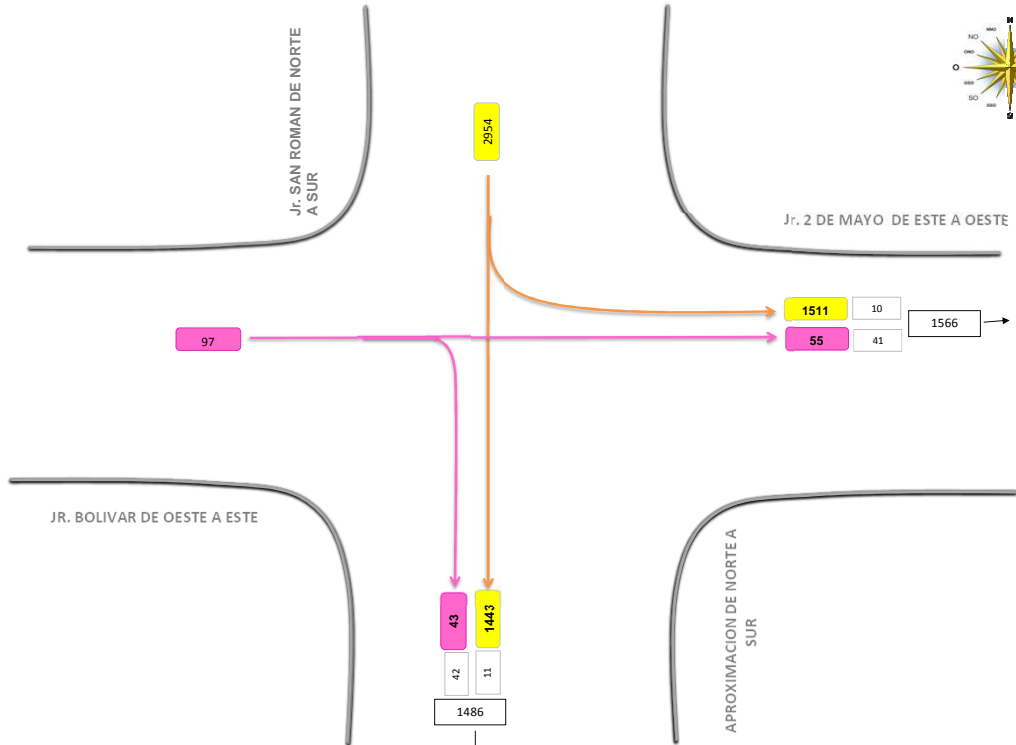
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	50	52	0	0	0	0	0	22	92	0	0	0	0	0	0	216	15%
Transporte Publico	0	0	0	0	0	0	0	0	0	328	0	0	0	0	0	0	328	23%
Transporte Pesado	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1%
Interprovincial	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0%
Vehiculos Menores	0	84	152	0	0	0	0	0	68	563	0	0	0	0	0	0	867	61%
Total	0	134	204	0	0	0	0	0	90	994	0	0	0	0	0	0	1422	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.08279	0.51026	6	28.5866
	11	112	2	0.86	48.1283				
	12	164	2	0.91	74.8152				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.42747	0.51026	6	28.5866
	30	70	2	4.09	143.836				
	31	1083	2	0.91	490.955				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
42	0	2	0.00	0					



FLUJOGRAMA VEHICULAR CLASIFICADO

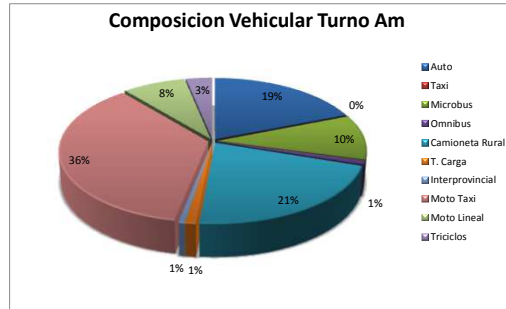
Intersección: Jr. SAN ROMAN-Jr.BOLIVAR
 Fecha: 22/08/2016
 Día: LUNES
 Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 7:15 A 8:15
 Hora pico de la intersección: 7:15 A 8:15
 Flujo vehicular en Hora Pico: 3051



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	141	368	0	0	0	0	0	0	0	0	0	0	0	2	7	0	518	19%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	144	128	0	0	0	0	0	0	0	0	0	0	0	5	0	0	277	10%
Omnibus	5	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	1%
Camioneta Rural	416	166	0	0	0	0	0	0	0	0	0	0	0	1	0	0	583	21%
T. Carga	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	1%
Interprovincial	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1%
Moto Taxi	457	457	0	0	0	0	0	0	0	0	0	0	0	43	20	0	977	36%
Moto Lineal	37	153	0	0	0	0	0	0	0	0	0	0	0	5	18	0	213	8%
Triciclos	26	39	0	0	0	0	0	0	0	0	0	0	0	5	18	0	88	3%
Total Vehículos	1242	1360	0	0	0	0	0	0	0	0	0	0	0	61	63	0	2726	100%
UCP	1511	1443	0	0	0	0	0	0	0	0	0	0	0	55	43	0	3051	
Factor HP	0.92	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	1.04	0.00		
% de Pesados	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	141	368	0	0	0	0	0	0	0	0	0	0	0	2	7	0	518	19%
Transporte Publico	560	294	0	0	0	0	0	0	0	0	0	0	0	6	0	0	860	32%
Transporte Pesado	21	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	1%
Interprovincial	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1%
Vehículos Menores	520	649	0	0	0	0	0	0	0	0	0	0	0	53	56	0	1277.5	47%
Total	1242	1339	0	0	0	0	0	0	0	0	0	0	0	61	63	0	2704.5	100%

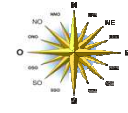
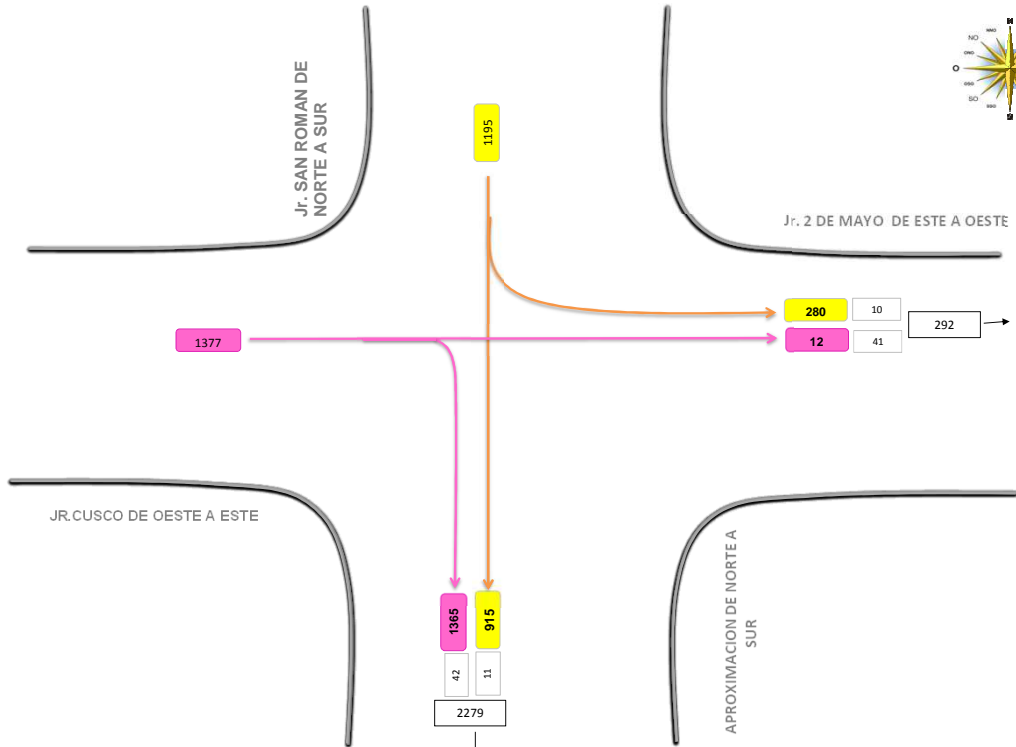
Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	1511	2	0.92	698.172	0.92101	0.95315	6	298.833
	11	1443	2	0.95	683.338				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.03214	0.95315	6	298.833
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	55	2	0.95	26.0155				
	42	43	2	1.04	22.2005				



FLUJOGRAMA VEHICULAR CLASIFICADO

Interseccion: JR. 2 DE MAYO - Jr. SAN ROMAN
Fecha: 22/08/2011
Dia: LUNES
Flujo vehicular en Hora Pico: 2572

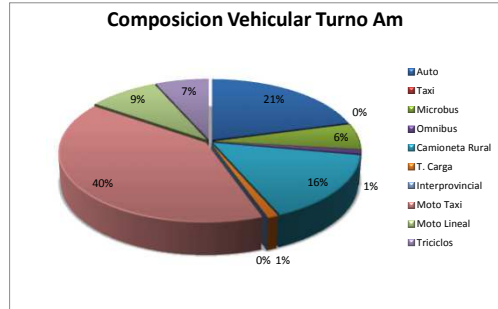
Distrito: JULIACA
Turno: Am
Hora Pico del Sistema: 7:30 A 8:30
Hora pico de la interseccion: 7:30 A 8:30



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	73	92	0	0	0	0	0	0	0	0	0	0	0	4	373	0	542	21%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	40	0	0	0	0	0	0	0	0	0	0	0	0	114	0	154	6%
Omnibus	0	19	0	0	0	0	0	0	0	0	0	0	0	0	7	0	26	1%
Camioneta Rural	11	239	0	0	0	0	0	0	0	0	0	0	0	1	155	0	406	16%
T. Carga	3	10	0	0	0	0	0	0	0	0	0	0	0	0	14	0	27	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	190	415	0	0	0	0	0	0	0	0	0	0	0	6	429	0	1040	40%
Moto Lineal	55	24	0	0	0	0	0	0	0	0	0	0	0	2	146	0	227	9%
Triciclos	13	13	0	0	0	0	0	0	0	0	0	0	0	2	146	0	174	7%
Total Vehiculos	345	852	0	0	0	0	0	0	0	0	0	0	0	15	1384	0	2596	100%
UCP	280	915	0	0	0	0	0	0	0	0	0	0	0	12	1365	0	2572	
Factor HP	0.90	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	1.04	0.00		
% de Pesados	0.9%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

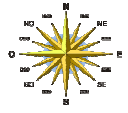
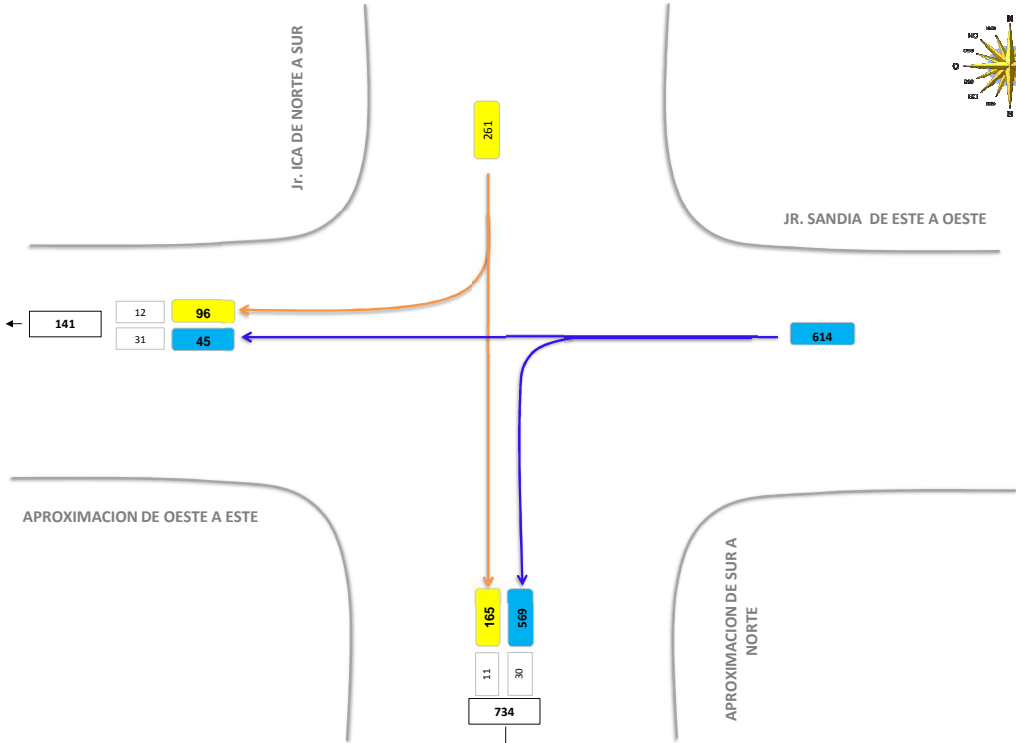
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	73	92	0	0	0	0	0	0	0	0	0	0	0	4	373	0	542	21%
Transporte Publico	11	279	0	0	0	0	0	0	0	0	0	0	0	1	276	0	567	22%
Transporte Pesado	3	10	0	0	0	0	0	0	0	0	0	0	0	0	14	0	27	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	258	452	0	0	0	0	0	0	0	0	0	0	0	10	721	0	1441	56%
Total	345	833	0	0	0	0	0	0	0	0	0	0	0	15	1384	0	2577	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	280	2	0.90	125.714	0.37243	0.85292	6	95.1858
	11	915	2	0.93	427.341				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.48049	0.85292	6	95.1858
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	12	2	0.75	4.64625				
	42	1365	2	1.04	708.884				



FLUJOGRAMA VEHICULAR CLASIFICADO

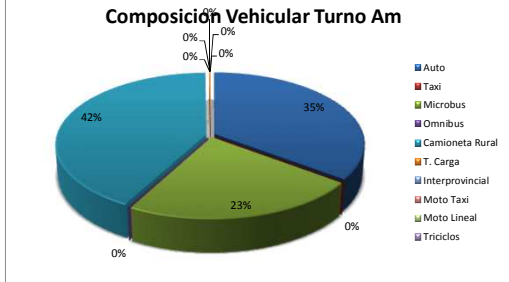
Intersección	JR. ICA-JR.SANDIA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Am
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	875	Hora pico de la intersección	7:45 A 8:45



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	72	96	0	0	0	0	0	11	35	0	0	0	0	0	0	214	35%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	23	0	0	0	0	0	0	113	2	0	0	0	0	0	0	138	23%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	30	0	0	0	0	0	0	221	4	0	0	0	0	0	0	255	42%
T. Carga	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Lineal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Triciclos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total Vehiculos	0	126	96	0	0	0	0	0	345	41	0	0	0	0	0	0	608	100%
UCP	0	165	96	0	0	0	0	0	569	45	0	0	0	0	0	0	875	
Factor HP	0.00	0.85	0.83	0.00	0.00	0.00	0.00	0.00	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

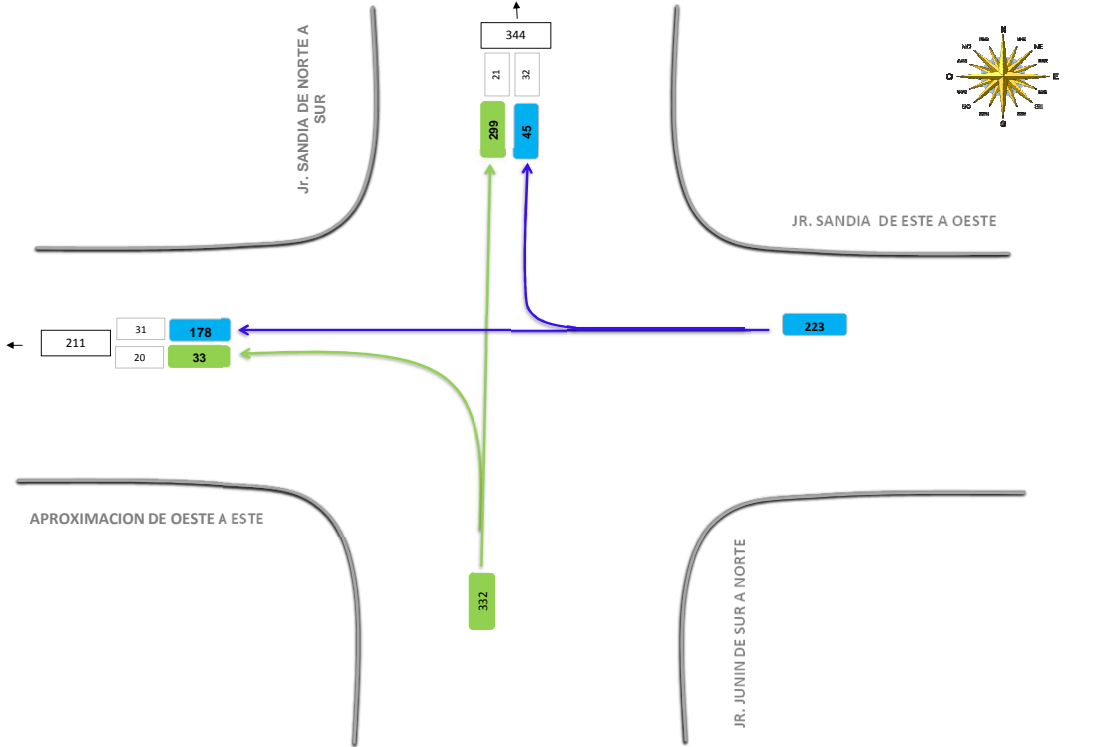
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	72	96	0	0	0	0	0	11	35	0	0	0	0	0	0	214	35%
Transporte Publico	0	53	0	0	0	0	0	0	334	6	0	0	0	0	0	0	393	65%
Transporte Pesado	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total	0	126	96	0	0	0	0	0	345	41	0	0	0	0	0	0	608	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0		0.07405		
	11	165	2	0.85	70.2365				
	12	96	2	0.83	39.7241				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
	22	0	2	0.00	0				
II	30	569	2	0.88	250.169		0.25545	6	18.8034
	31	45	2	0.85	19.2188				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

Intersección	Jr. JUNIN - JR.SANDIA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	555	Hora pico de la intersección	12:00 A 13:00

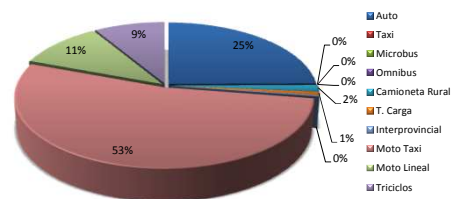


Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	96	0	0	0	47	23	0	0	0	0	0	166	25%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	10	2%
T. Carga	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5	1%
Interprovincial	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0%
Moto Taxi	0	0	0	0	20	170	0	0	0	145	20	0	0	0	0	0	354	53%
Moto Lineal	0	0	0	0	18	43	0	0	0	5	5	0	0	0	0	0	71	11%
Triciclos	0	0	0	0	14	37	0	0	0	2	5	0	0	0	0	0	58	9%
Total Vehículos	0	0	0	0	52	358	0	0	0	204	53	0	0	0	0	0	666	100%
UCP	0	0	0	0	33	299	0	0	0	178	45	0	0	0	0	0	555	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.81	1.47	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	96	0	0	0	47	23	0	0	0	0	0	166	25%
Transporte Publico	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	10	2%
Transporte Pesado	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5	1%
Interprovincial	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0%
Vehículos Menores	0	0	0	0	52	250	0	0	0	152	30	0	0	0	0	0	483.43	73%
Total	0	0	0	0	52	358	0	0	0	204	53	0	0	0	0	0	666.21	100%

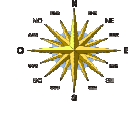
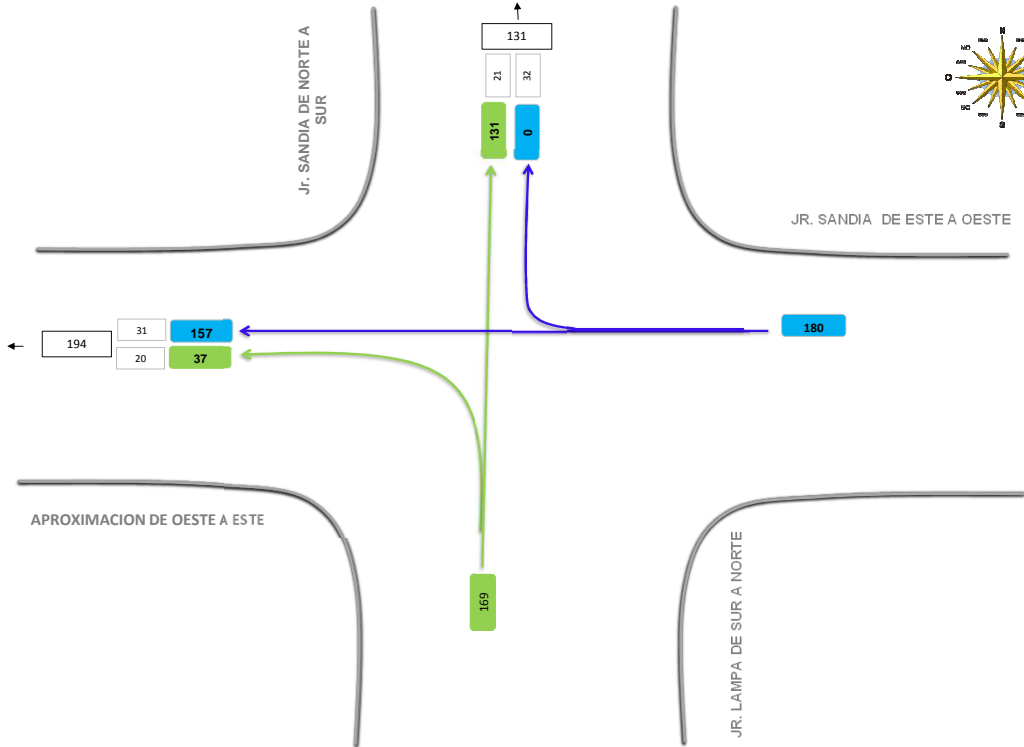
Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1485	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Óptimo
I	10	0	2	0.00	0	0.09223	0.16282	6	16.723
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	33	2	0.00	0				
	21	299	2	0.92	136.961				
II	22	0	2	0.00	0	0.07059	0.16282	6	16.723
	30	0	2	0.00	0				
	31	178	2	0.81	71.7035				
	32	45	2	1.47	33.125				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				

Composicion Vehicular Turno Md



FLUJOGRAMA VEHICULAR CLASIFICADO

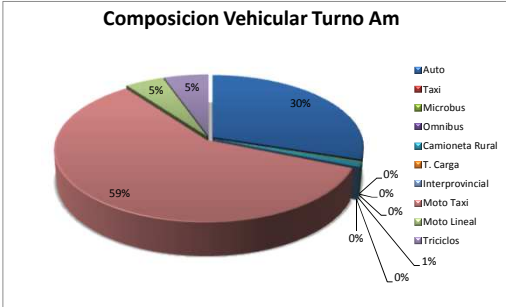
Intersección: JR. LAMPA-Jr. SANDIA
 Fecha: 22/08/2016
 Día: LUNES
 Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 9:00 A 10:00
 Flujo vehicular en Hora Pico: 348
 Hora pico de la intersección: 9:00 A 10:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	7	68	0	0	11	35	0	0	0	0	0	0	121	30%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	1%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	31	59	0	0	13	134	0	0	0	0	0	0	237	59%
Moto Lineal	0	0	0	0	2	12	0	0	1	4	0	0	0	0	0	0	19	5%
Triciclos	0	0	0	0	5	14	0	0	1	2	0	0	0	0	0	0	22	5%
Total Vehiculos	0	0	0	0	45	153	0	0	26	180	0	0	0	0	0	0	404	100%
UCP	0	0	0	0	37	131	0	0	23	157	0	0	0	0	0	0	348	
Factor HP	0.00	0.00	0.00	0.00	0.75	0.96	0.00	0.00	0.81	0.83	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

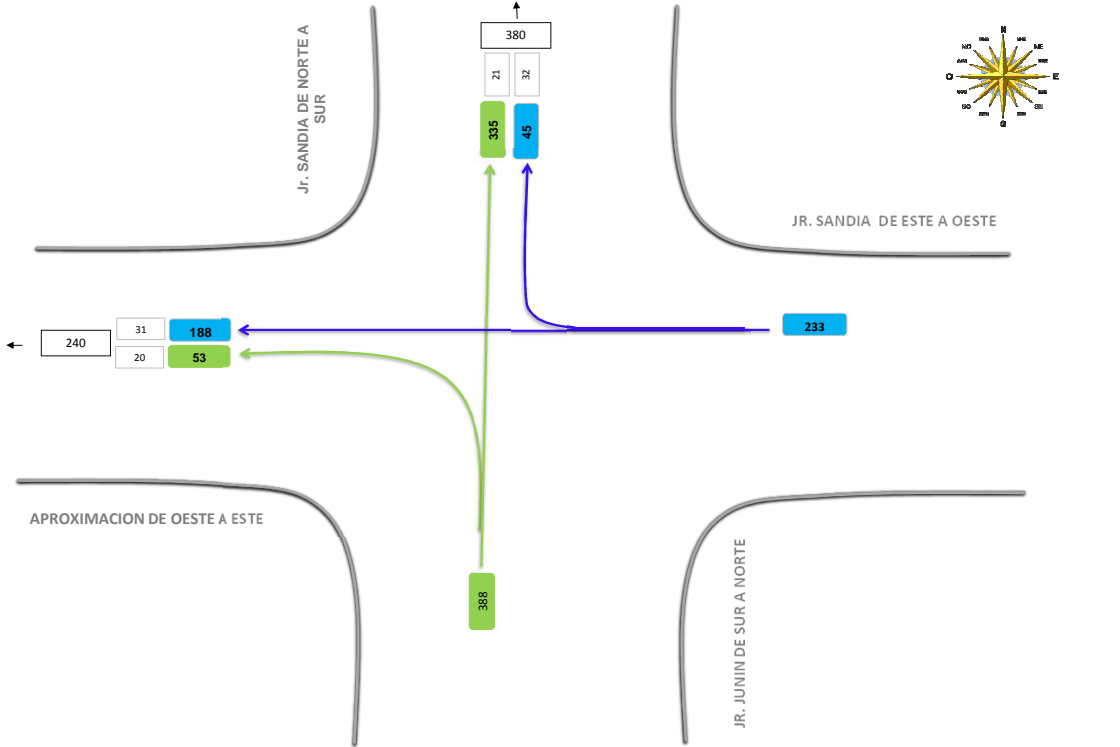
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	7	68	0	0	11	35	0	0	0	0	0	0	121	30%
Transporte Publico	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	1%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	38	85	0	0	15	140	0	0	0	0	0	0	278	69%
Total	0	0	0	0	45	153	0	0	26	180	0	0	0	0	0	0	404	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.0517	0.10201	6	15.5905
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	37	2	0.75	13.9275				
	21	131	2	0.96	62.84				
	22	0	2	0.00	0				
II	30	23	2	0.81	9.29094	0.05032	0.10201	6	15.5905
	31	157	2	0.83	65.4333				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

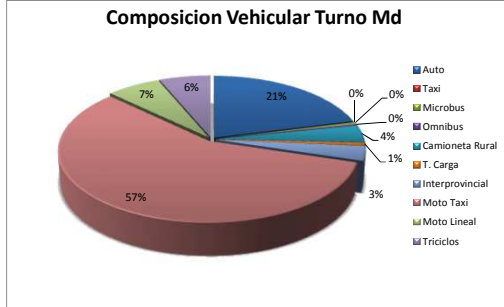
Intersección	JR. RICARDO PALMA-Jr. SANDIA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1038	Hora pico de la intersección	12:00 A 13:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	19	68	0	0	19	68	0	0	0	47	23	0	0	0	0	0	244	21%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	0%
Omnibus	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0%
Camioneta Rural	4	16	0	0	0	20	0	0	0	5	0	0	0	0	0	0	45	4%
T. Carga	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	1%
Interprovincial	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	38	3%
Moto Taxi	35	215	0	0	35	215	0	0	0	145	20	0	0	0	0	0	665	57%
Moto Lineal	5	28	0	0	5	28	0	0	0	5	5	0	0	0	0	0	76	7%
Triciclos	11	42	0	0	4	9	0	0	0	2	5	0	0	0	0	0	73	6%
Total Vehículos	74	394	0	0	63	365	0	0	0	209	53	0	0	0	0	0	1158	100%
UCP	64	354	0	0	53	335	0	0	0	188	45	0	0	0	0	0	1038	
Factor HP	0.88	0.88	0.00	0.00	0.79	0.81	0.00	0.00	0.00	0.81	1.47	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	1.5%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

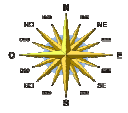
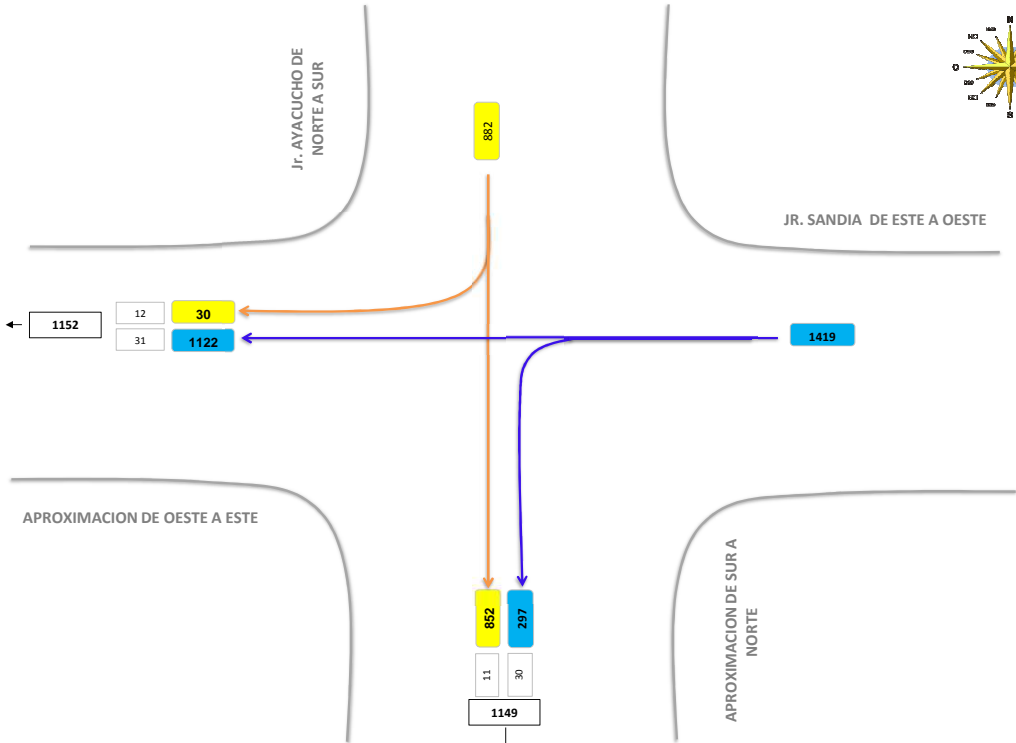
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	19	68	0	0	19	68	0	0	0	47	23	0	0	0	0	0	244	21%
Transporte Publico	4	16	0	0	0	22	0	0	0	10	0	0	0	0	0	0	52	5%
Transporte Pesado	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	1%
Interprovincial	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	38	3%
Vehículos Menores	51	285	0	0	44	252	0	0	0	152	30	0	0	0	0	0	813.5	70%
Total	74	392	0	0	63	365	0	0	0	209	53	0	0	0	0	0	1155.5	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Óptimo
I	10	64	2	0.88	28.1685	0.22874	0.30249	6	20.071
	11	354	2	0.88	155.529				
	12	0	2	0.00	0				
	20	53	2	0.79	20.7506				
	21	335	2	0.81	135.236				
	22	0	2	0.00	0				
II	30	0	2	0.00	0	0.07375	0.30249	6	20.071
	31	188	2	0.81	76.3896				
	32	45	2	1.47	33.125				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

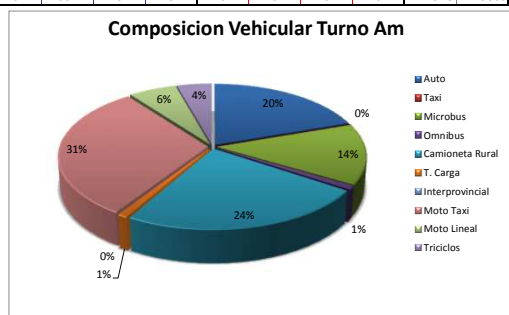
Interseccion: JR. AYACUCHO - Jr. SANDIA
Fecha: 22/08/2016
Dia: LUNES
Flujo vehicular en Hora Pico: 2300
Districto: JULIACA
Turno: Am
Hora Pico del Sistema:
Hora pico de la interseccion: 7:45 A 8:45



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	132	0	0	0	0	0	0	92	159	0	0	0	0	0	0	383	20%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	128	0	0	0	0	0	0	28	113	0	0	0	0	0	0	269	14%
Omnibus	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	17	1%
Camioneta Rural	0	166	0	0	0	0	0	0	12	287	0	0	0	0	0	0	465	24%
T. Carga	0	0	0	0	0	0	0	0	2	16	0	0	0	0	0	0	18	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	221	36	0	0	0	0	0	127	211	0	0	0	0	0	0	595	31%
Moto Lineal	0	36	0	0	0	0	0	0	13	66	0	0	0	0	0	0	115	6%
Triciclos	0	26	0	0	0	0	0	0	23	35	0	0	0	0	0	0	84	4%
Total Vehiculos	0	709	36	0	0	0	0	0	297	904	0	0	0	0	0	0	1946	100%
UCP	0	852	30	0	0	0	0	0	297	1122	0	0	0	0	0	0	2300	
Factor HP	0.00	0.98	1.00	0.00	0.00	0.00	0.00	0.00	0.77	0.98	0.00	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

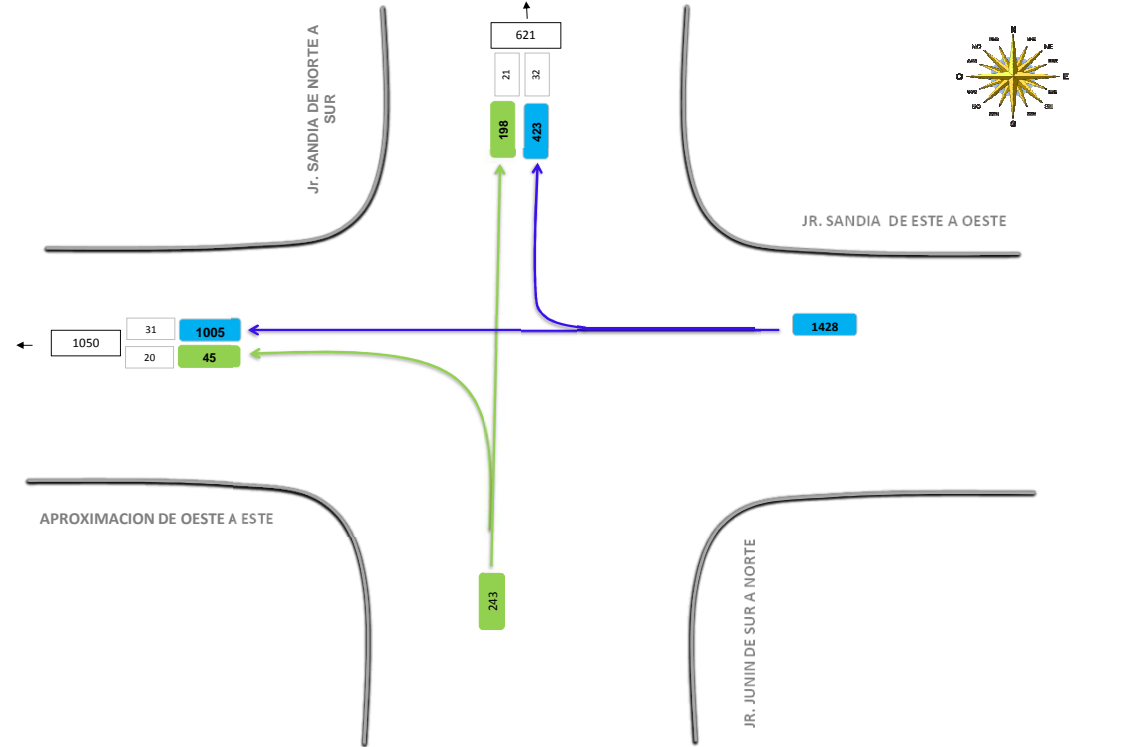
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	132	0	0	0	0	0	0	92	159	0	0	0	0	0	0	383	20%
Transporte Publico	0	294	0	0	0	0	0	0	40	417	0	0	0	0	0	0	751	39%
Transporte Pesado	0	0	0	0	0	0	0	0	2	16	0	0	0	0	0	0	18	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	283	36	0	0	0	0	0	163	312	0	0	0	0	0	0	794	41%
Total	0	709	36	0	0	0	0	0	297	904	0	0	0	0	0	0	1946	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.29092	0.73935	6	53.7117
	11	852	2	0.98	417.081				
	12	30	2	1.00	14.94				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.44843	0.73935	6	53.7117
	30	297	2	0.77	114.836				
	31	1122	2	0.98	551.076				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

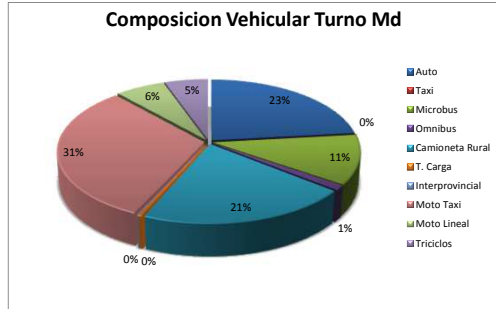
Interseccion	JR. SALAVERY-JR.SANDIA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1671	Hora pico de la interseccion	12:00 A 13:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	23	47	0	0	0	152	120	0	0	0	0	0	342	23%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	20	0	0	0	119	28	0	0	0	0	0	167	11%
Omnibus	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	17	1%
Camioneta Rural	0	0	0	0	0	52	0	0	0	189	63	0	0	0	0	0	304	21%
T. Carga	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	0%
Interprovincial	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0%
Moto Taxi	0	0	0	0	20	35	0	0	0	263	145	0	0	0	0	0	463	31%
Moto Lineal	0	0	0	0	5	5	0	0	0	63	18	0	0	0	0	0	91	6%
Triciclos	0	0	0	0	5	3	0	0	0	37	35	0	0	0	0	0	80	5%
Total Vehiculos	0	0	0	0	53	162	0	0	0	848	408	0	0	0	0	0	1471	100%
UCP	0	0	0	0	45	198	0	0	0	1005	423	0	0	0	0	0	1671	
Factor HP	0.00	0.00	0.00	0.00	0.95	0.84	0.00	0.00	0.00	0.90	0.88	0.00	0.00	0.00	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

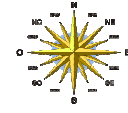
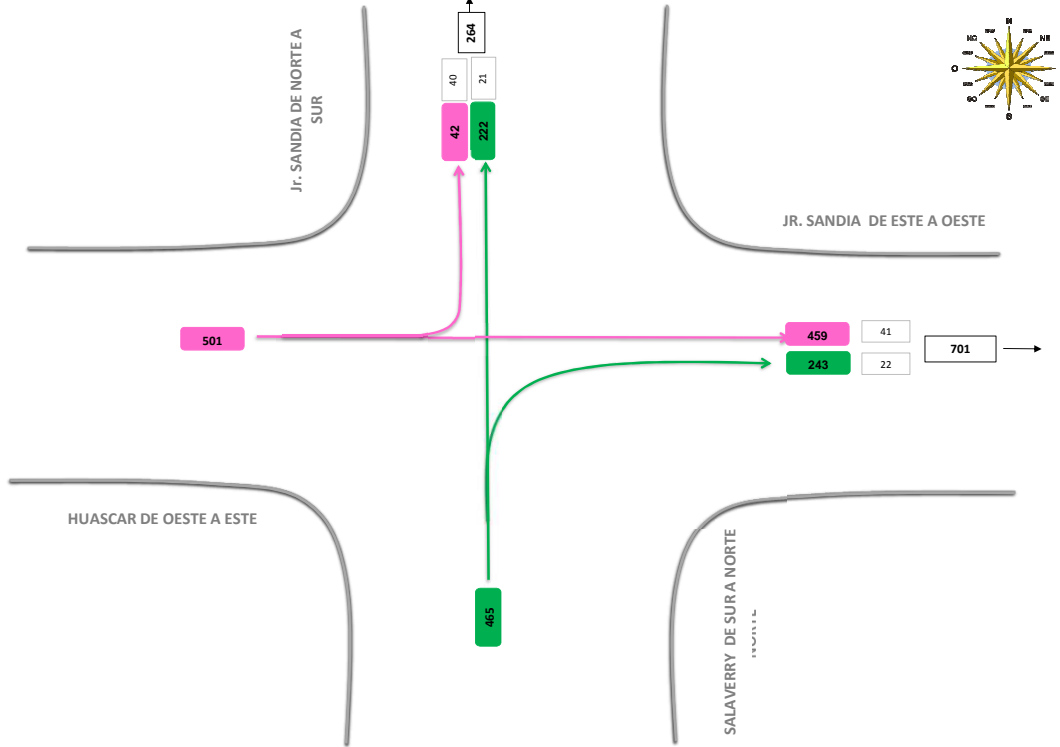
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	23	47	0	0	0	152	120	0	0	0	0	0	342	23%
Transporte Publico	0	0	0	0	0	72	0	0	0	325	91	0	0	0	0	0	488.29	33%
Transporte Pesado	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	0%
Interprovincial	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0%
Vehiculos Menores	0	0	0	0	30	43	0	0	0	364	198	0	0	0	0	0	634.03	43%
Total	0	0	0	0	53	162	0	0	0	848	408	0	0	0	0	0	1471.1	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.07058	0.4998	6	27.989
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	45	2	0.95	21.2946				
	21	198	2	0.84	83.5102				
II	22	0	2	0.00	0	0.42922	0.4998	6	27.989
	30	0	2	0.00	0				
	31	1005	2	0.90	452.132				
	32	423	2	0.88	185.261				
	40	0	2	0.00	0				
	41	0	2	0.00	0				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

Interseccion	Jr. JUNIN-JR. HUASCAR	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	965	Hora pico de la interseccion	12:00 A 13:00

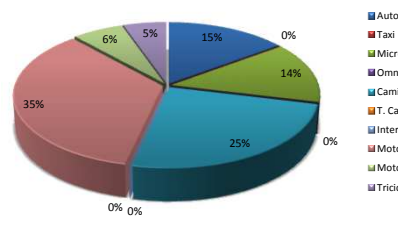


Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	47	23	0	0	0	0	0	13	42	0	0	125	15%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	52	36	0	0	0	0	0	0	29	0	0	117	14%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	0	71	0	0	0	0	0	0	137	0	0	208	25%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	0	71	43	0	0	0	0	0	29	150	0	0	293	35%
Moto Lineal	0	0	0	0	0	14	5	0	0	0	0	0	6	28	0	0	53	6%
Triciclos	0	0	0	0	0	10	5	0	0	0	0	0	4	26	0	0	45	5%
Total Vehiculos	0	0	0	0	0	194	183	0	0	0	0	0	52	412	0	0	841	100%
UCP	0	0	0	0	0	222	243	0	0	0	0	0	42	459	0	0	965	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.88	0.92	0.00	0.00	0.00	0.00	0.00	0.76	0.84	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	47	23	0	0	0	0	0	13	42	0	0	125	15%
Transporte Publico	0	0	0	0	0	52	107	0	0	0	0	0	0	166	0	0	325	39%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	0	95	53	0	0	0	0	0	39	204	0	0	391	46%
Total	0	0	0	0	0	194	183	0	0	0	0	0	52	412	0	0	841	100%

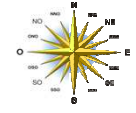
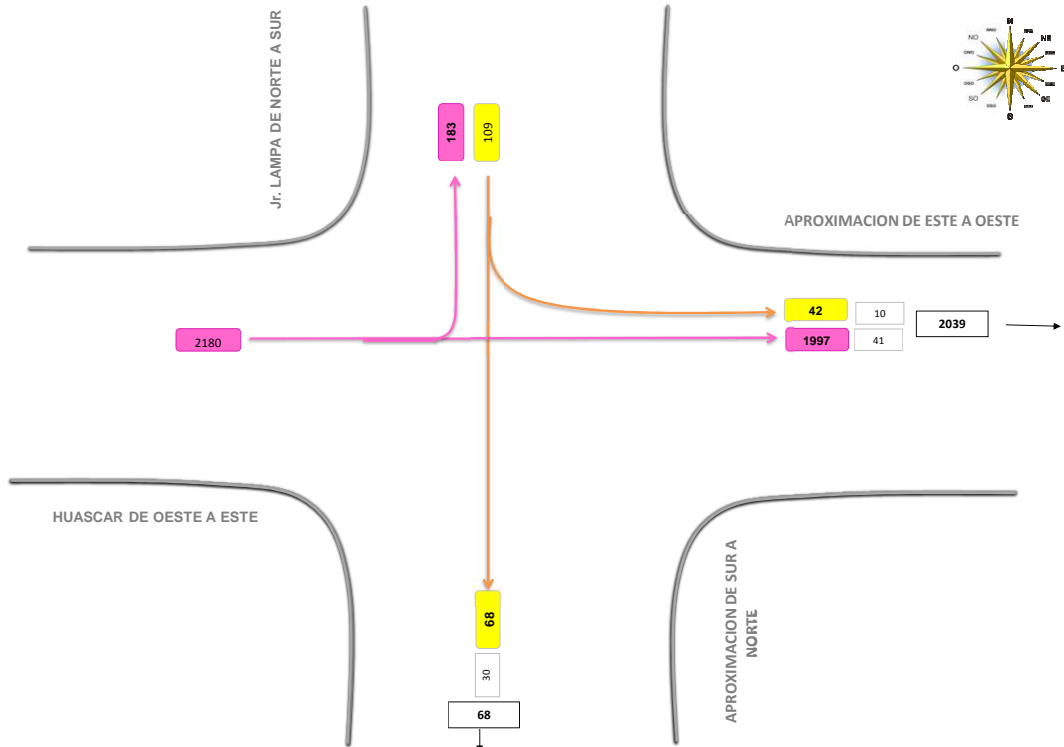
Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.14067	0.2819	6	19.4958
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	222	2	0.88	97.9039				
II	22	243	2	0.92	110.985	0.14123	0.2819	6	19.4958
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	42	2	0.76	16.0779				
	41	459	2	0.84	193.648				
	42	0	2	0.00	0				

Composicion Vehicular Turno Md



FLUJOGRAMA VEHICULAR CLASIFICADO

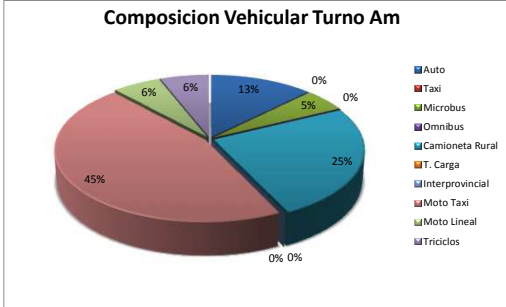
Interseccion: Jr. LAMPA - JR. HUASCAR
 Fecha: 22/08/2016
 Dia: LUNES
 Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 9:00 A 10:00
 Flujo vehicular en Hora Pico: 2289
 Hora pico de la interseccion: 9:00 A 10:00



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	9	4	0	0	0	0	0	0	0	0	0	0	63	200	0	0	276	13%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	113	5%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	0	0	0	0	0	0	0	0	549	0	0	549	25%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	33	61	0	0	0	0	0	0	0	0	0	0	137	761	0	0	992	45%
Moto Lineal	3	12	0	0	0	0	0	0	0	0	0	0	6	107	0	0	128	6%
Triciclos	6	12	0	0	0	0	0	0	0	0	0	0	6	107	0	0	131	6%
Total Vehiculos	51	89	0	0	0	0	0	0	0	0	0	0	212	1837	0	0	2189	100%
UCP	42	68	0	0	0	0	0	0	0	0	0	0	183	1997	0	0	2289	
Factor HP	0.85	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	3.59	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

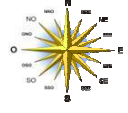
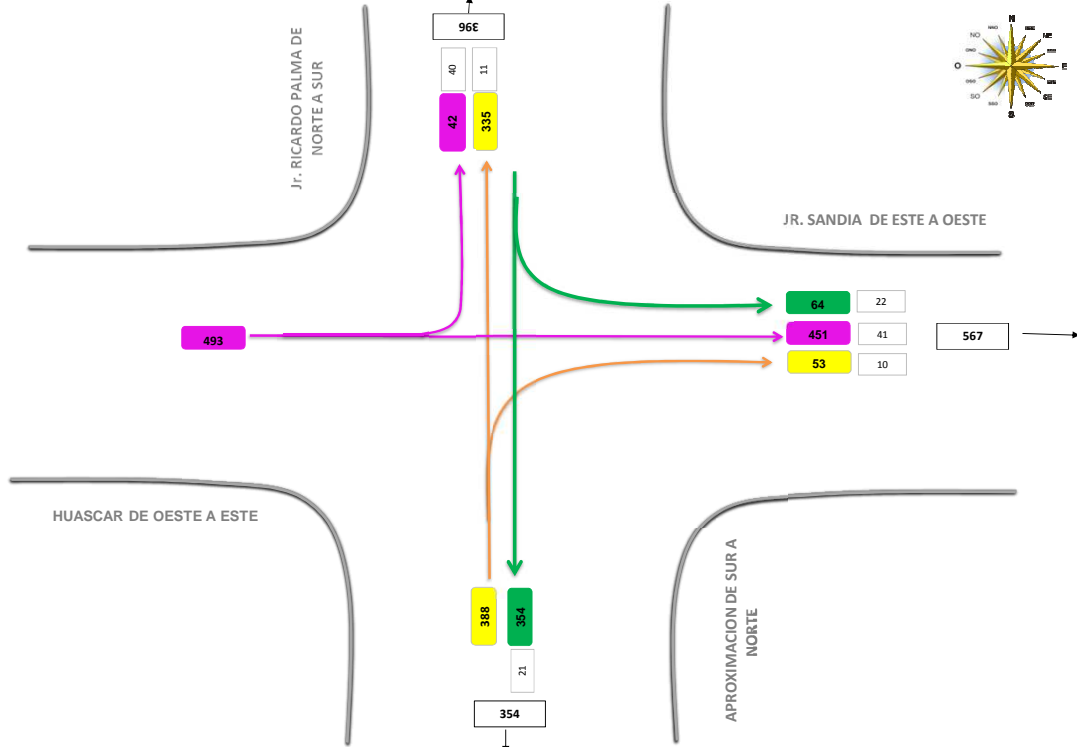
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	9	4	0	0	0	0	0	0	0	0	0	0	63	200	0	0	276	13%
Transporte Publico	0	0	0	0	0	0	0	0	0	0	0	0	0	662	0	0	662	30%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	42	85	0	0	0	0	0	0	0	0	0	0	149	975	0	0	1251	57%
Total	51	89	0	0	0	0	0	0	0	0	0	0	212	1837	0	0	2189	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	42	2	0.85	17.799	0.4913	2.6097	6	93
	11	68	2	0.93	31.3308				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	2.1184			
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	183	2	2.52	231.168				
	41	1997	2	3.59	3581.95				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

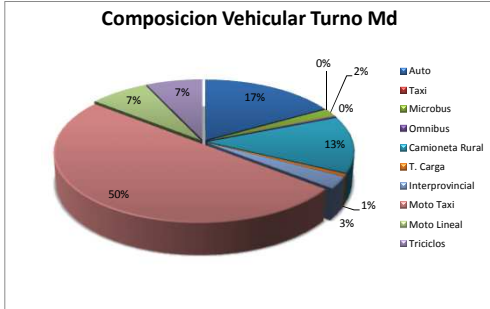
Intersección	Jr. RICARDO PALMA - JR. HAUSCAR	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1298	Hora pico de la intersección	12:00 A 13:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	19	68	0	0	0	68	19	0	0	0	0	0	13	42	0	0	229	17%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	25	2%
Omnibus	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0%
Camioneta Rural	4	16	0	0	0	20	0	0	0	0	0	0	0	137	0	0	177	13%
T. Carga	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	1%
Interprovincial	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	38	3%
Moto Taxi	35	215	0	0	0	215	35	0	0	0	0	0	29	150	0	0	679	50%
Moto Lineal	5	28	0	0	0	28	5	0	0	0	0	0	6	28	0	0	100	7%
Triciclos	11	42	0	0	0	9	4	0	0	0	0	0	4	26	0	0	96	7%
Total Vehículos	74	394	0	0	0	365	63	0	0	0	0	0	52	408	0	0	1356	100%
UCP	64	354	0	0	0	335	53	0	0	0	0	0	42	451	0	0	1298	
Factor HP	0.88	0.88	0.00	0.00	0.00	0.81	0.79	0.00	0.00	0.00	0.00	0.00	0.76	0.87	0.00	0.00		
% de Pesados	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

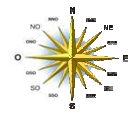
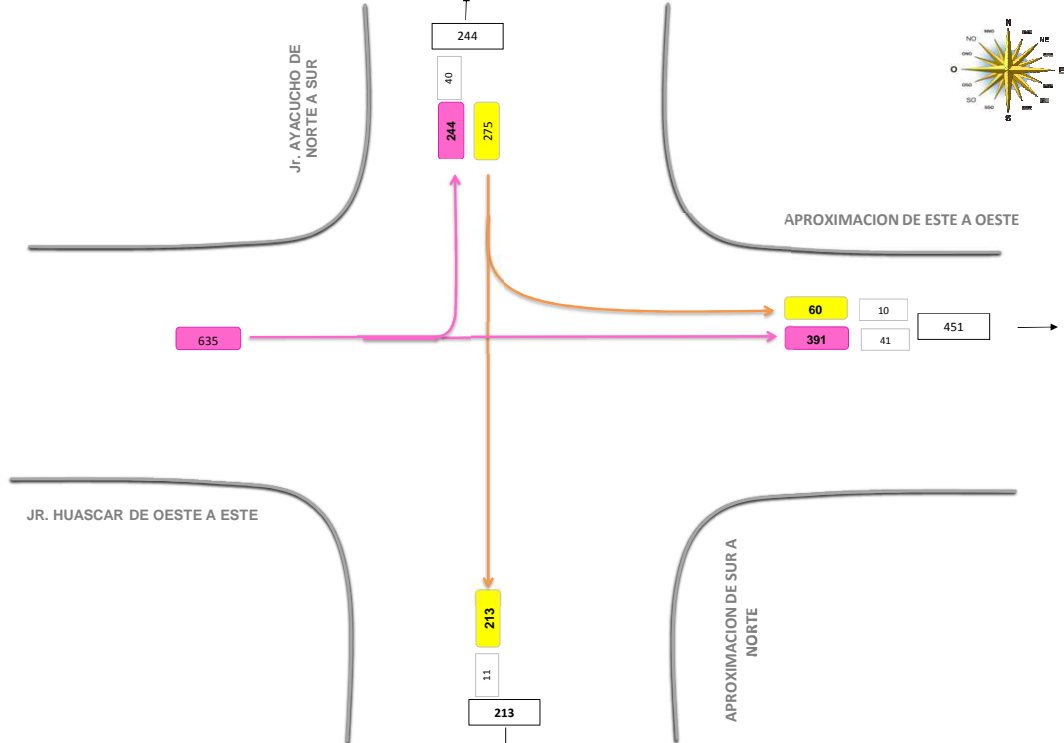
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	19	68	0	0	0	68	19	0	0	0	0	0	13	42	0	0	229	17%
Transporte Publico	4	16	0	0	0	22	0	0	0	0	0	0	0	162	0	0	204	15%
Transporte Pesado	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	1%
Interprovincial	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	38	3%
Vehículos Menores	51	285	0	0	0	252	44	0	0	0	0	0	39	204	0	0	875	65%
Total	74	392	0	0	0	365	63	0	0	0	0	0	52	408	0	0	1354	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	64	2	0.88	28.1685	0.22874	0.37188	6	22.2886
	11	354	2	0.88	155.529				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	335	2	0.81	135.236				
II	22	53	2	0.79	20.7506	0.14313	0.37188	6	22.2886
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	42	2	0.76	16.0779				
	41	451	2	0.87	196.476				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

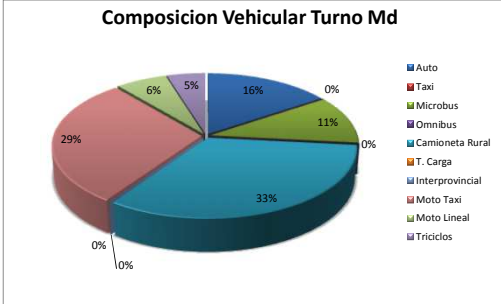
Interseccion: Jr. AYACUCHO -Jr.HUASCAR
Fecha: 22/08/2016
Dia: LUNES
Flujo vehicular en Hora Pico: 910
Districto: JULIACA
Md: Md
Turno: Hora Pico del Sistema
Hora pico de la interseccion: 12:00 A 13:00



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	35	47	0	0	0	0	0	0	0	0	0	0	10	29	0	0	121	16%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	28	0	0	0	0	0	0	0	0	0	0	29	29	0	0	86	11%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	52	0	0	0	0	0	0	0	0	0	0	82	122	0	0	256	33%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	24	35	0	0	0	0	0	0	0	0	0	0	58	111	0	0	228	29%
Moto Lineal	5	5	5	0	0	0	0	0	0	0	0	0	6	28	0	0	49	6%
Triciclos	5	2	0	0	0	0	0	0	0	0	0	0	4	26	0	0	37	5%
Total Vehiculos	69	169	5	0	0	0	0	0	0	0	0	0	189	345	0	0	777	100%
UCP	60	213	2	0	0	0	0	0	0	0	0	0	244	391	0	0	910	
Factor HP	0.96	0.85	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.90	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

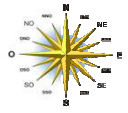
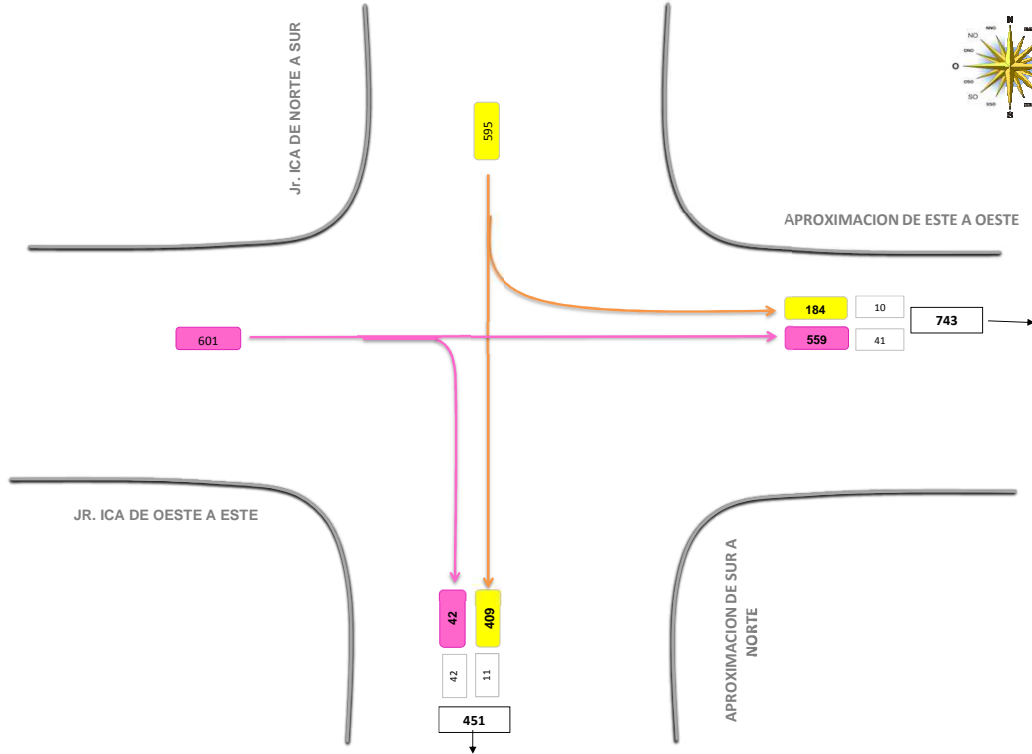
Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	35	47	0	0	0	0	0	0	0	0	0	0	10	29	0	0	121	16%
Transporte Publico	0	80	0	0	0	0	0	0	0	0	0	0	111	151	0	0	342	44%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	34	42	5	0	0	0	0	0	0	0	0	0	68	165	0	0	314	40%
Total	69	169	5	0	0	0	0	0	0	0	0	0	189	345	0	0	777	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	60	2	0.96	28.9033	0.08047	0.26806	6	19.1273
	11	213	2	0.85	90.077				
	12	2	2	0.63	0.51563				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.18759	0.26806	6	19.1273
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	244	2	0.84	102.988				
	41	391	2	0.90	175.586				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

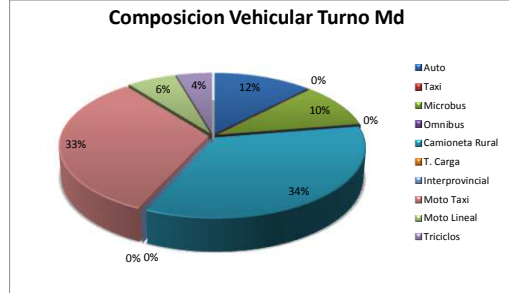
Interseccion	Jr. ICA - Jr. HUASCAR	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Dia	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	1196	Hora pico de la interseccion	12:00 A 13:00

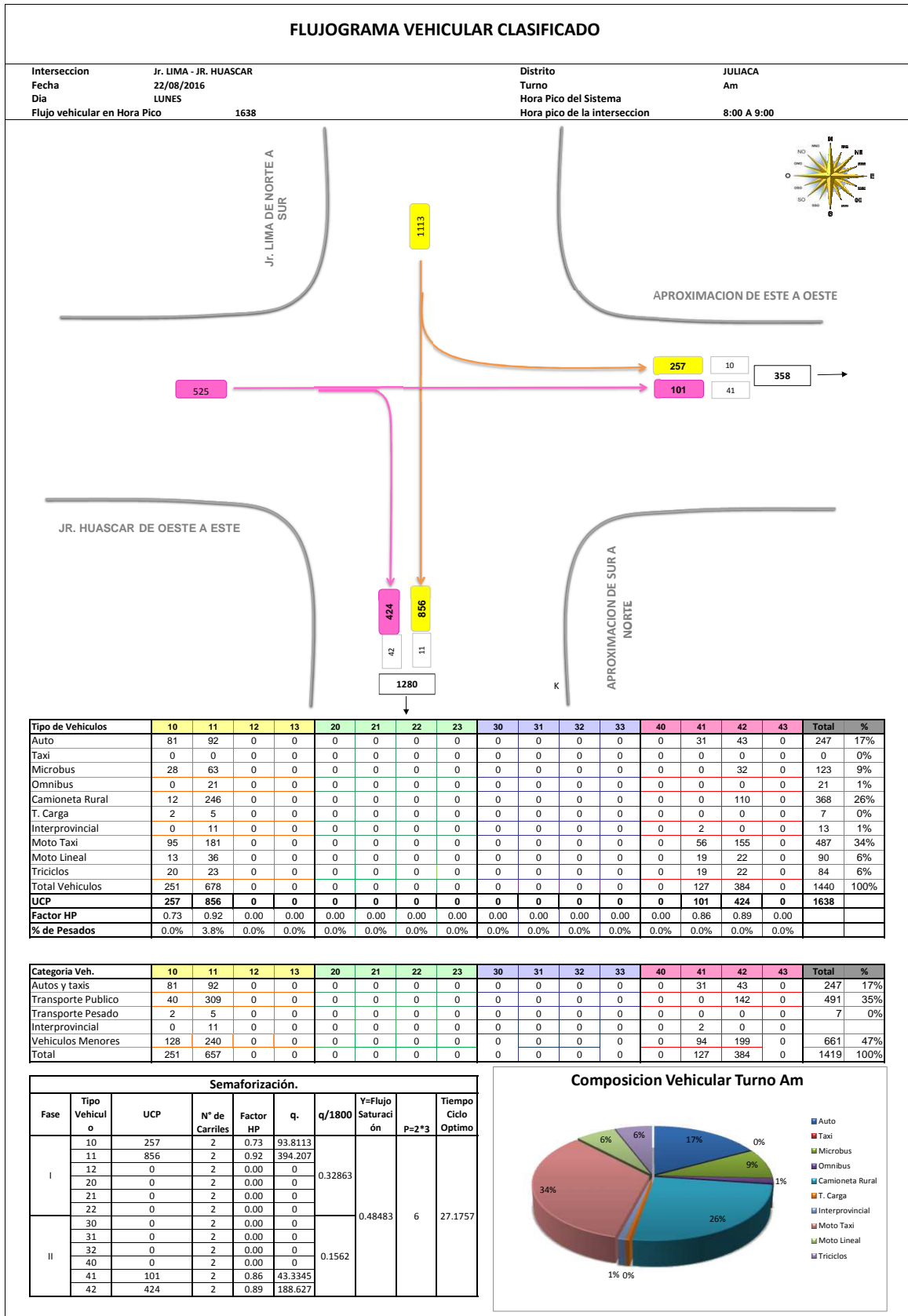


Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	23	47	0	0	0	0	0	0	0	0	0	0	0	42	13	0	125	12%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	24	52	0	0	0	0	0	0	0	0	0	0	0	29	0	0	105	10%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	48	100	0	0	0	0	0	0	0	0	0	0	0	204	0	0	352	34%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	43	113	0	0	0	0	0	0	0	0	0	0	0	150	29	0	335	33%
Moto Lineal	5	18	0	5	0	0	0	0	0	0	0	0	0	28	6	0	62	6%
Triciclos	5	11	0	0	0	0	0	0	0	0	0	0	0	26	4	0	46	4%
Total Vehículos	148	341	0	5	0	0	0	0	0	0	0	0	0	479	52	0	1025	100%
UCP	184	409	0	2	0	0	0	0	0	0	0	0	0	559	42	0	1196	
Factor HP	0.80	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.76	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	23	47	0	0	0	0	0	0	0	0	0	0	0	42	13	0	125	12%
Transporte Publico	72	152	0	0	0	0	0	0	0	0	0	0	0	233	0	0	457	45%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehículos Menores	53	142	0	5	0	0	0	0	0	0	0	0	0	204	39	0	443	43%
Total	148	341	0	5	0	0	0	0	0	0	0	0	0	479	52	0	1025	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	184	2	0.80	74.0362	0.16964	0.3475	6	21.4558
	11	409	2	0.87	177.885				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.17785	0.3475	6	21.4558
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	559	2	0.89	248.033				
	42	42	2	0.76	16.0779				

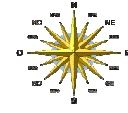
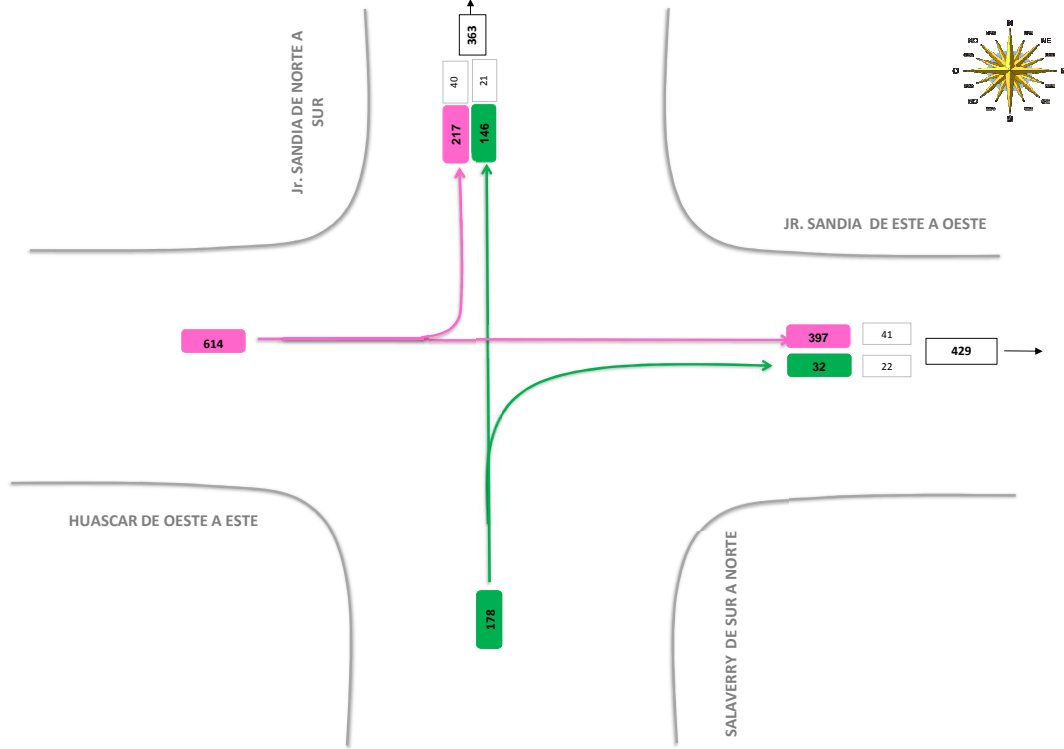




FLUJOGRAMA VEHICULAR CLASIFICADO

Interseccion: Jr. SANDIA - JR. LIMA
 Fecha: 22/08/2016
 Dia: LUNES
 Flujo vehicular en Hora Pico: 792

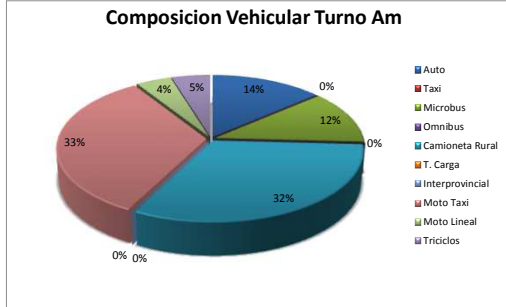
Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 9:15 A 10:15
 Hora pico de la interseccion: 9:15 A 10:15



Tipo de Vehiculos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	37	13	0	0	0	0	0	11	31	0	0	92	14%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	17	0	0	0	0	0	0	32	32	0	0	81	12%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	33	0	0	0	0	0	0	70	110	0	0	213	32%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	0	25	17	0	0	0	0	0	43	138	0	0	223	33%
Moto Lineal	0	0	0	0	0	4	3	0	0	0	0	0	1	21	0	0	29	4%
Triciclos	0	0	0	0	0	5	5	0	0	0	0	0	1	21	0	0	32	5%
Total Vehiculos	0	0	0	0	0	121	38	0	0	0	0	0	158	353	0	0	670	100%
UCP	0	0	0	0	0	146	32	0	0	0	0	0	217	397	0	0	792	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.76	0.86	0.00	0.00	0.00	0.00	0.00	0.77	0.89	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

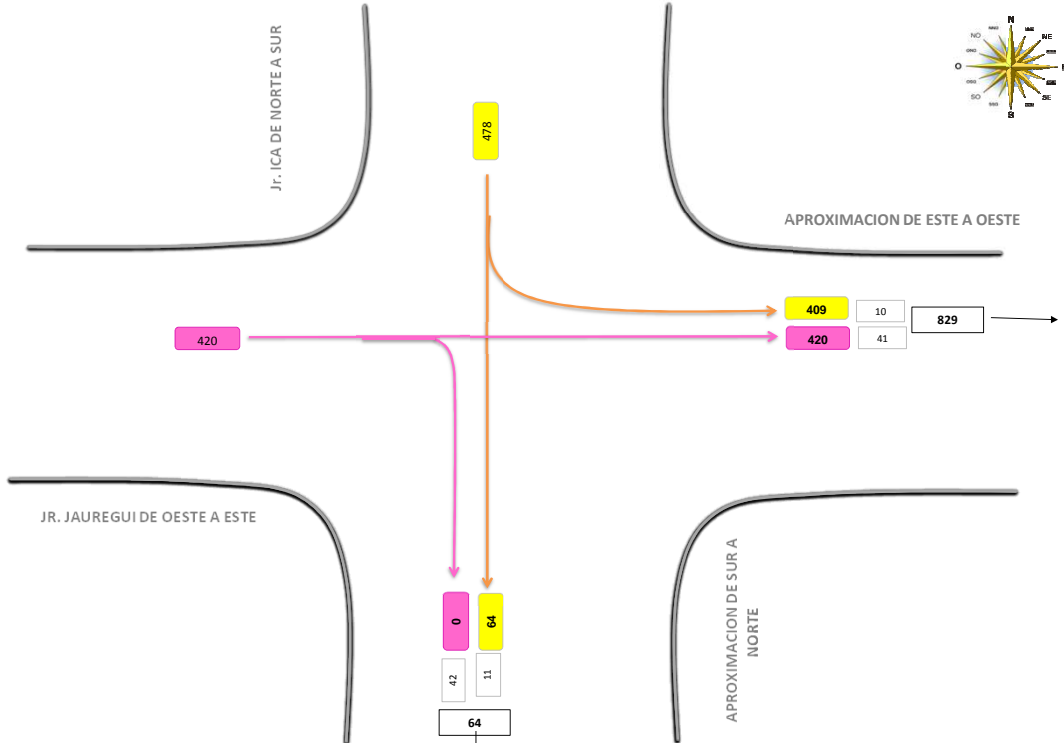
Categoria Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	37	13	0	0	0	0	0	11	31	0	0	92	14%
Transporte Publico	0	0	0	0	0	50	0	0	0	0	0	0	102	142	0	0	294	44%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehiculos Menores	0	0	0	0	0	34	25	0	0	0	0	0	45	180	0	0	284	42%
Total	0	0	0	0	0	121	38	0	0	0	0	0	158	353	0	0	670	100%

Semaforización.									
Fase	Tipo Vehiculo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	p=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.04652	0.22227	6	18.0011
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	146	2	0.76	55.3273				
II	22	32	2	0.86	13.7534	0.17575	0.22227	6	18.0011
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	217	2	0.77	83.9452				
	41	397	2	0.89	177.044				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

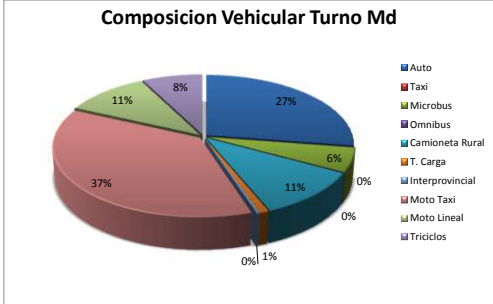
Intersección	Jr. SANDIA - JR. LIMA	Distrito	JULIACA
Fecha	22/08/2016	Turno	Md
Día	LUNES	Hora Pico del Sistema	
Flujo vehicular en Hora Pico	897	Hora pico de la intersección	12:15 A 13:15



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	47	23	0	0	0	0	0	0	0	0	0	0	0	184	0	0	254	27%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	6%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	11%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	1%
Interprovincial	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0%
Moto Taxi	113	43	0	0	0	0	0	0	0	0	0	0	0	186	0	0	342	37%
Moto Lineal	18	5	0	0	0	0	0	0	0	0	0	0	0	75	0	0	98	11%
Triciclos	11	5	0	0	0	0	0	0	0	0	0	0	0	54	0	0	70	8%
Total Vehículos	341	76	3	0	0	0	0	0	0	0	0	0	0	507	0	0	927	100%
UCP	409	64	5	0	0	0	0	0	0	0	0	0	0	420	0	0	897	
Factor HP	0.87	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%		

Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	47	23	0	0	0	0	0	0	0	0	0	0	0	184	0	0	254	27%
Transporte Publico	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152	16%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	1%
Interprovincial	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0%
Vehículos Menores	142	53	0	0	0	0	0	0	0	0	0	0	0	315	0	0	510	55%
Total	341	76	3	0	0	0	0	0	0	0	0	0	0	507	0	0	927	100%

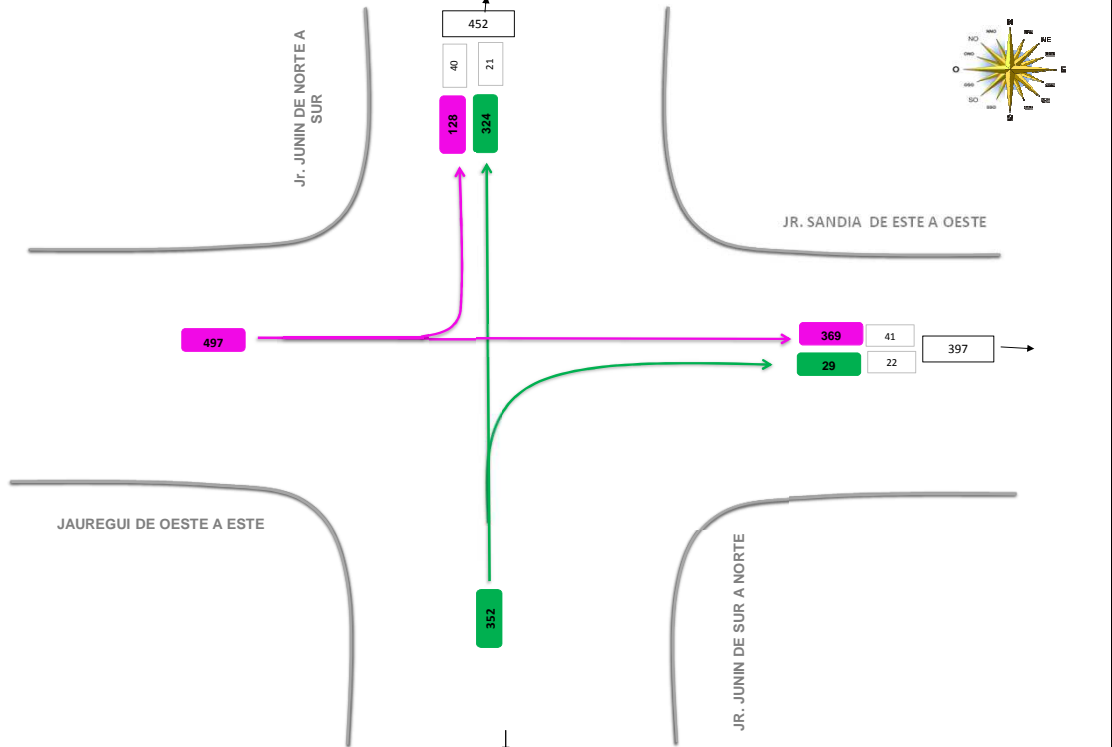
Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	409	2	0.87	177.885	0.13931	0.26882	6	19.147
	11	64	2	0.90	28.9931				
	12	5	2	0.00	0				
	20	0	2	0.00	0				
	21	0	2	0.00	0				
II	22	0	2	0.00	0	0.12951	0.26882	6	19.147
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	0	2	0.00	0				
	41	420	2	0.92	192.32				
	42	0	2	0.00	0				



FLUJOGRAMA VEHICULAR CLASIFICADO

Intersección: Jr. SANDIA - JR. LIMA
 Fecha: 22/08/2016
 Día: LUNES
 Flujo vehicular en Hora Pico: 849

Distrito: JULIACA
 Turno: Am
 Hora Pico del Sistema: 7:45 A 8:45
 Hora pico de la intersección: 7:45 A 8:45



Tipo de Vehículos	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Auto	0	0	0	0	0	54	11	0	0	0	0	0	0	168	0	0	233	27%
Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Microbus	0	0	0	0	0	31	0	0	0	0	0	0	31	0	0	0	62	7%
Omnibus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Camioneta Rural	0	0	0	0	0	44	0	0	0	0	0	0	44	0	0	0	88	10%
T. Carga	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Moto Taxi	0	0	0	0	0	148	16	0	0	0	0	0	0	145	0	0	309	36%
Moto Lineal	0	0	0	0	0	16	2	0	0	0	0	0	0	65	0	0	83	10%
Triciclos	0	0	0	0	0	18	5	0	0	0	0	0	0	65	0	0	88	10%
Total Vehículos	0	0	0	0	0	311	34	0	0	0	0	0	75	448	0	0	868	100%
UCP	0	0	0	0	0	324	29	0	0	0	0	0	128	369	0	0	849	
Factor HP	0.00	0.00	0.00	0.00	0.00	0.88	0.94	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.00	0.00		
% de Pesados	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Categoría Veh.	10	11	12	13	20	21	22	23	30	31	32	33	40	41	42	43	Total	%
Autos y taxis	0	0	0	0	0	54	11	0	0	0	0	0	0	168	0	0	233	27%
Transporte Publico	0	0	0	0	0	75	0	0	0	0	0	0	75	0	0	0	150	17%
Transporte Pesado	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	1%
Interprovincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehículos Menores	0	0	0	0	0	182	23	0	0	0	0	0	0	275	0	0	480	55%
Total	0	0	0	0	0	311	34	0	0	0	0	0	75	448	0	0	868	100%

Semaforización.									
Fase	Tipo Vehículo	UCP	N° de Carriles	Factor HP	q.	q/1800	Y=Flujo Saturación	P=2*3	Tiempo Ciclo Optimo
I	10	0	2	0.00	0	0.10539	0.24822	6	18.6224
	11	0	2	0.00	0				
	12	0	2	0.00	0				
	20	0	2	0.00	0				
	21	324	2	0.88	142.963				
II	22	29	2	0.94	13.5481	0.14282	0.24822	6	18.6224
	30	0	2	0.00	0				
	31	0	2	0.00	0				
	32	0	2	0.00	0				
	40	128	2	0.85	54.5455				
	41	369	2	0.85	157.548				
	42	0	2	0.00	0				

