

Sector/Subsector-based Breakdown and Project Typology of the COSIPLAN Portfolio

Sector/Subsector-based Breakdown

* US\$ million

		Tra	nsport			E	nergy			Comm	unications	;
Subsector	No.	%	Estimated Invest- ment*	% of In- vestment	No.	%	Estimated Invest- ment*	% of In- vestment	No.	%	Estimated Invest- ment*	% inversión
Air	25	4.7	6,929.5	5.3								
Road	262	49.6	59,473.1	45.9								
Rail	67	12.7	47,903.4	36.9								
River	75	14.2	2,887.0	2.2								
Sea	38	7.2	10,944.5	8.4								
Multimodal	14	2.7	623.7	0.5								
Border Crossings	47	8.9	917.3	0.7								
Energy Gene- ration					25	44.6	42,065.5	79.8				
Energy Intercon- nection					31	55.4	10,650.2	20.2				
Communication Interconnection									9	100.0	41.6	100,0
TOTAL	528	100.0	129,678.4	100.0	56	100.0	52,715.7	100.0	9	100.0	41.6	100,0

TYPES OF WORKS



* US\$ million

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Enlargement/Upgrade of airports	19	76.0	6,712.7	96.9
New airports	6	24.0	216.7	3.1
TOTAL	25	100.0	6,929.5	100.0



	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Increase in road capacity	64	24.4	24,518.3	41.2
Bypasses and city access roads	16	6.1	7,528.4	12.7
Road maintenance	5	1.9	1,014.3	1.7
Paving (new works)	90	34.4	11,916.6	20.0
Bridges (new and rehabilitation works)	28	10.7	2,053.3	3.5
Rehabilitation of roadways and structures	57	21.8	9,642.2	16.2
Tunnels (new and rehabilitation works)	2	0.8	2,800.0	4.7
TOTAL	262	100.0	59,473.1	100.0





	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Railway Belts	6	9.0	1,373.0	2.9
Construction of rail tracks	29	43.3	34,443.2	71.9
Rehabilitation of rail tracks	32	47.8	12,087.2	25.2
TOTAL	67	100.0	47,903.4	100.0

* US\$ million

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Upgrade works at existing river ports (enlargement)	32	42.7	552.6	19.1
Building of new river ports	10	13.3	260.4	9.0
Improvement of navigation conditions	33	44.0	2,074.0	71.8
TOTAL	75	100.0	2,887.0	100.0

BORDER CROSSINGS

* US\$ million

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Upgrade/Enlargement of existing infrastructure in border control centers	13	27.7	362.2	39.5
Infrastructure for the implementation of border control centers	34	72.3	555.1	60.5
TOTAL	47	100.0	917.3	100.0



* US\$ million

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Enlargement of land infrastructure in sea ports	31	81.6	7,539.6	68.9
New sea ports	7	18.4	3,404.8	31.1
TOTAL	38	100.0	10,944.5	100.0

MULTIMODAL

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Transfer stations	12	85.7	246.5	39.5
Multimodal transport	2	14.3	377.2	60.5
TOTAL	14	100.0	623.7	100.0



	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Upgrade of energy interconnections	1	3.2	125.2	1.2
Construction of new energy interconnections	30	96.8	10,525.0	98.8
TOTAL	31	100.0	10,650.2	100.0

ENERGY GENERATION

* US\$ million

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Coal-fired power plants	1	4.0	625.0	1.5
Energy generation with nuclear power	2	8.0	2,520.0	6.0
Small hydroelectric power stations (new and upgrade)	11	44.0	35,666.0	84.8
Other energy infrastructure	7	28.0	1,403.5	3.3
Thermoelectric power stations	4	16.0	1,851.0	4.4
TOTAL	25	100.0	42,065.5	100.0

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Optical fiber	9	100.0	41.6	100.0
TOTAL	9	100.0	41.6	100.0

Type of Financing of the COSIPLAN Portfolio Projects

TYPE OF FINANCING *US\$ million

	No. of Projects	Estimated Investment*
Public	482	115,318.7
Private	70	34,865.9
Public-private	41	32,251.1
Total	593	182,435.7

TYPE OF FINANCING BY SECTOR

* US\$ million

	Public		Priv	/ate	Public-private		
Sector	No. of Pro- jects	Estimated Invest- ment*	No. of Projects	Estimated Invest- ment*	No. of Projects	Estimated Invest- ment*	
Transport	425	89,079.4	68	33,740.9	35	6,858.1	
Energy	48	26,197.7	2	1,125.0	6	25,393.0	
Communica- tions	9	41.6	0		0		
Total	482	115,318.7	70	34,865.9	41	32,251.1	

TYPE OF FINANCING BY HUB

* In number of projects

	AMA	AND	САР	DES	GUY	НРР	IOC	МСС	РВВ
Private	21	4	8	1	0	2	14	15	5
Public	44	55	71	47	18	90	44	98	17
Public/ Private	9	8	3	1	2	0	5	11	2

COSIPLAN Portfolio Projectsby Life Cycle Stage

STAGE OF THE PORTFOLIO PROJECTS

* US\$ million

	No. of Projects	% of Projects	Estimated Investment*	% of Investment
Profiling	114	19.2	30,973.6	17.0
Pre-execution	173	29.2	53,666.0	29.4
Execution	191	32.2	71,683.4	39.3
Completed	115	19.4	26,112.8	14.3
Total	593	100.0	182,435.7	100.0

STAGE OF THE PORTFOLIO PROJECTS BY HUB

* In number of projects

	Profiling	Pre-execution	Execution	Completed	Total
AND	12	10	27	18	67
CAP	12	37	19	14	82
HPP	26	32	21	13	92
AMA	17	16	24	17	74
GUY	7	2	5	6	20
DES	12	14	18	5	49
IOC	10	13	26	14	63
MCC	13	44	44	23	124
PBB	6	5	8	5	24
Total	114	173	191	115	593

STAGE OF THE PORTFOLIO PROJECTS BY SECTOR

	Projects					Estimated l	nvestment
	Transport	Energy	Communications	Total	%	US\$ million	%
Profiling	100	10	4	114	19.2	30,973.6	17.0
Pre-execution	163	10	0	173	29.2	53,666.0	29.4
Execution	175	13	3	191	32.2	71,683.4	39.3
Completed	90	23	2	115	19.4	26,112.8	14.3
Total	528	56	9	593	100.0	182,435.7	100.0

Anchor Projects of the COSIPLAN Portfolio by Integration and Development Hub

ANCHOR PROJECTS BY HUB

* US\$ million

	No. of Groups	No. of Projects	% of Projects	Estimated Investment	% of Investment
AND	9	10	19.2	401.3	2.0
CAP	5	5	9.6	593.2	3.0
HPP	5	5	9.6	195.5	1.0
AMA	8	10	19.2	6,663.0	33.7
GUY	4	4	7.7	1,307.9	6.6
DES	2	3	5.8	383.0	1.9
IOC	5	6	11.5	1,866.5	9.4
МСС	6	7	13.5	6,319.2	31.9
PBB	2	2	3.8	2,051.0	10.4
Total	46	52	100.0	19,780.5	100.0

DETAILS OF THE ANCHOR PROJECTS

Hub	Code	Name	Group	Stage	Estimated Investment*	Countries
	AND01	ROAD CORRIDOR CONNECTING SANTA MARTA - PARAGUACHÓN - MARACAIBO - BARQUISIMETO - ACARIGUA	G01		411.2	CO - VE
	AND15	ARAUCA BORDER CROSSING	G03		2.0	CO - VE
	AND17	PUERTO GAITÁN - PUERTO CARREÑO MULTIMODAL PROJECT. INCLUDING IMPROVEMENT OF THE NAVI- GATION CONDITIONS ON THE META RIVER	G04	Ç.	108.0	СО
ANE	AND21	BINATIONAL BORDER SERVICE CENTER (CEBAF) - ROAD AXIS NO. 1	G05	©	15.8	EC - PE
	AND31	BINATIONAL BORDER SERVICE CENTER (CEBAF) AT SAN MIGUEL	G06	©	0.0	CO-EC
AND	AND39	PAVING OF VILCABAMBA - PUENTE DE INTEGRA- CIÓN (INTEGRATION BRIDGE) - JAÉN	G07	٠	126.7	EC - PE
	AND47	DESAGUADERO BINATIONAL BORDER SERVICE CENTER (CEBAF)	G08	Ĉ.	29.9	BO - PE
	AND68	USE OF EXISTING INFRASTRUCTURE AND NEW CONNECTIONS TO ENHANCE COMMUNICATIONS INFRASTRUCTURE	G10		0.1	BO - CO - EC - PE - VE
	AND81	IMPROVEMENT OF THE BORDER CROSSINGS IN THE NORTHERN DEPARTMENT OF SANTANDER AND THE TÁCHIRA STATE	G02	A. C.	14.0	CO - VE
	AND82	IMPLEMENTATION OF THE BINATIONAL BORDER SERVICE CENTER (CEBAF) AT THE TULCÁN - IPIALES (RUMICHACA) BORDER CROSSING	G02		104.7	CO-EC







Hub	Code	Name	Group	Stage	Estimated Investment*	Countries
	CAP01	ACCESS ROADS TO PASO DE JAMA BORDER CROSSING (NATIONAL ROUTE NO. 52 - INTERSECTION WITH NATIONAL ROUTE NO. 9 - BORDER WITH CHILE)	G01	Ö	54.0	AR
	CAP10	CONSTRUCTION OF THE SALVADOR MAZZA - YA- CUIBA BINATIONAL BRIDGE AND BORDER CENTER	G02		45.0	AR - BO
CAP	CAP14	NEW PUERTO PRESIDENTE FRANCO - PORTO MEIRA BRIDGE. WITH A PARAGUAY- BRAZIL INTEGRATED CONTROL AREA	G03		173.0	BR - PY
	CAP23	STUDY FOR THE OPTIMIZATION OF THE ÑEEMBUCÚ - BERMEJO NODE	G04		301.2	AR - PY
	CAP57	MULTIMODAL TRANSFER CENTER IN TUCUMÁN	G05		20.0	AR
	HPP09	IMPROVEMENT OF NAVIGATION CONDITIONS ON THE PARAGUAY RIVER (ASUNCIÓN - APA	G01		110.0	PY
	HPP28	ITAIPU DIVERSION BINATIONAL PROJECT	G02		0.0	BR - PY
НРР	HPP42	BINATIONAL PROJECT FOR THE IMPROVEMENT OF NAVIGATION CONDITIONS ON THE PARAGUAY RIVER, FROM CONFLUENCIA TO ASUNCIÓN	G03		45.5	AR - PY
	HPP72	BINATIONAL PROJECT FOR THE IMPROVEMENT OF NA- VIGATION CONDITIONS ON THE ALTO PARANÁ RIVER	G04	£	0.0	AR - PY
	HPP88	BINATIONAL PROJECT FOR THE IMPROVEMENT OF NAVIGATION CONDITIONS ON THE URUGUAY RIVER	G05	C	40.0	AR - UY
	AMA01	TUMACO - PASTO - MOCOA - PUERTO ASÍS ROAD CORRIDOR	G01	©	404.8	со
	AMA16	TARAPOTO - YURIMAGUAS ROAD	G03	©	231.7	PE
	AMA26	IMPROVEMENT OF TINGO MARÍA - PUCALLPA ROAD	G04		438.4	PE
	AMA36	IMPROVEMENT OF NAVIGATION CONDITIONS IN THE SOLIMÕES - AMAZON RIVERS SYSTEM	G06	©	8.0	BR
	AMA45	MORONA FREIGHT TRANSFER PORT	G07	()	5.0	EC
AMA	AMA71	PROVIDENCIA PORT	G02		25.0	EC
	AMA73	NEW CROSS-NORTHEASTERN RAILWAY PHASE I (SUAPE - SALGUEIRO / PECÉM - ELISEU MARTINS)	G05	©	3,000.0	BR
	AMA76	NEW CROSS-NORTHEASTERN RAILWAY PHASE II (ELISEU MARTINS - PORTO FRANCO)	G05	A. C.	0.0	BR
	AMA88	WEST - EAST INTEGRATION RAILWAY - PHASE II (BARREIRAS - FIGUEIROPOLIS)	G08	()	550.0	BR
	AMA89	WEST - EAST INTEGRATION RAILWAY - PHASE I (ILHÉUS - BARREIRAS)	G08	*	2,000.0	BR
	GUY01	REHABILITATION OF THE CARACAS - MANAUS ROAD	G01	F	407.0	BR - VE
	GUY09	LETHEM - LINDEN ROAD	G02		250.0	GU
GUY	GUY18	ROUTES INTERCONNECTING VENEZUELA (CIUDAD GUAYANA) - GUYANA (GEORGETOWN) - SURINAME (APURA - ZANDERIJ - PARAMARIBO)	G03	And a second	300.8	GU - SU - VE
	GUY26	IMPROVEMENT OF THE GEORGETOWN - ALBINA ROAD, AND OF THE SECTION FERREIRA GOMES - OYAPOCK OF THE MACAPÁ - OYAPOCK ROAD	G04		350.1	BR - GU - SU







Hub	Code	Name	Group	Stage	Estimated Investment*	Countries
	DES01	IMPLEMENTATION OF INTEGRATED BORDER CONTROL IN PINO HACHADO BORDER CROSSING	G01		8.0	AR - CH
DES	DES16	UPGRADE AND MAINTENANCE OF THE INTERLAGOS ROUTE IN CHILE	G02	٠	175.0	СН
	DES18	UPGRADE AND MAINTENANCE OF THE INTERLAGOS ROUTE IN ARGENTINA	G02	٠	200.0	AR
	IOC01	PAVING OF THE CARMELO PERALTA - LOMA PLATA ROAD SECTION	G01	₹ `	255.5	PY
	IOC11	SÃO PAULO RING RAILWAY	G02	₹ <mark>C</mark>	1,000.0	BR
	IOC22	CONSTRUCTION OF PAILÓN - SAN JOSÉ - PUERTO SUÁREZ ROAD	G03	F	409.0	ВО
IOC	IOC26	CONCEPCIÓN - BRAZILIAN BORDER (SAN MATÍAS) ROAD	G04	₹ <mark>C</mark>	79.5	ВО
	IOC31	REHABILITATION OF EL SILLAR ROAD SECTION	G05		122.5	ВО
	IOC77	CONSTRUCTION OF THE CARMELO PERALTA (PARA- GUAY) - PORTO MURTINHO (BRASIL) INTERNATIO- NAL BRIDGE AND BORDER CROSSING	G01	Are and	0.0	BR - PY
	MCC01	UPGRADE OF NATIONAL ROUTE NO. 14 TO A FOUR-LANE ROAD, BETWEEN PASO DE LOS LIBRES AND GUALEGUAYCHÚ	G01	Ö	780.0	AR
	MCC19	UPGRADE WORKS OF THE RÍO BRANCO - MONTEVI- DEO - COLONIA - NUEVA PALMIRA ROAD CORRIDOR (ROUTES NO. 1, 11, 8, 17, 18 AND 26, ROUTES NO. 23 AND 12)	G02	©	276.2	UY
	MCC33	RAILWAY PROJECT BETWEEN LOS ANDES, CHILE AND MENDOZA, ARGENTINA (CENTRAL TRANS-AN- DEAN RAILWAY)	G03		5,100.0	AR - CH
MCC	MCC37	PAVING OF NATIONAL ROUTE NO. 145, FROM INTER- SECTION WITH NATIONAL ROUTE NO. 40 SOUTH TO THE ACCESS TO PEHUENCHE BORDER CROSSING	G06		63.0	AR
	MCC47	PAVING OF PUENTE ARMERILLO - PEHUENCHE BOR- DER CROSSING ROAD SECTION (ROUTE CH-115)	G06	©	60.0	СН
	MCC52	REHABILITATION AND UPGRADE OF NATIONAL ROUTE NO. 168 TO A FOUR-LANE ROAD FROM PARA- NÁ (UNDERWATER ROAD TUNNEL) TO SANTA FE	G04		40.0	AR
	MCC61	ITAIPU SYSTEM (EXISTING)	G05	©	16,000.0	BR - PY
PBB	PBB01	PAVING OF IÑAPARI - PUERTO MALDONADO - INAM- BARI ROAD, AND INAMBARI - JULIACA / INAMBARI - CUSCO ROADS	G01	٧	1,976.0	PE
PBB	PBB60	GUAYAMERÍN (BOLIVIA) - GUAJARÁ-MIRIM (BRAZIL) INTERNATIONAL BRIDGE, OVER THE MAMORÉ RIVER	G02		75.0	BO - BR







Projects that Changed their Stage between 2014 and 2015

FROM PROFILING TO PRE-EXECUTION





	
AND15	ARAUCA BORDER CROSSING
AND85	REHABILITATION AND IMPROVEMENT OF THE CÚCUTA - OCAÑA
	AGUACLARA ROAD SECTION
CAP90	PAVING OF ROAD B-243, CH27 SAN PEDRO - TOCOPILLA - ANTOFAGASTA CONNECTION
CAP95	UPGRADE OF NATIONAL ROUTE NO. 16 TO A FOUR-LANE ROAD BETWEEN
	RESISTENCIA AND SÁENZ PEÑA
CAP96	UPGRADE OF NATIONAL ROUTE NO. 12 TO A FOUR-LANE ROAD BETWEEN RIACHUELO
	AND PASO DE LA PATRIA
CAP97	UPGRADE OF NATIONAL ROUTE NO. 12 TO A FOUR-LANE ROAD BETWEEN GARUPÁ
	AND SAN IGNACIO
CAP98	UPGRADE OF NATIONAL ROUTE NO. 9: SANTIAGO DEL ESTERO
	TERMAS DE RÍO HONDO - SAN MARTÍN
HPP41	ENHANCEMENT OF RAILWAY ACCESSES TO THE CITY OF SANTA FE
HPP45	ENLARGEMENT OF BARADERO PORT
HPP115	IMPROVEMENT OF THE NAVIGATION CONDITIONS ON THE NEGRO RIVER
HPP123	UPGRADE OF NATIONAL ROUTE NO. 11 TO A FOUR-LANE ROAD BETWEEN ROSARIO
HPP124	AND OLIVEROS UPGRADE OF NATIONAL ROUTE NO. 11 TO A FOUR-LANE ROAD:
HPP1Z4	RESISTENCIA - FORMOSA - CLORINDA
AMA77	NORTH-SOUTH RAILWAY PHASE I (VILA DO CONDE -AÇAILÂNDIA)
MCC130	URUPABOL GAS PIPELINE (SECTION II) (*)
MCC130	UPGRADE OF NATIONAL ROUTE NO. 7 TO A FOUR-LANE ROAD BETWEEN JUNÍN
11100110	AND THE BORDER WITH SAN LUIS
MCC142	UPGRADE OF NATIONAL ROUTE NO. 8 TO A FOUR-LANE ROAD
	BETWEEN RÍO CUARTO AND VILLA MERCEDES
MCC143	UPGRADE OF NATIONAL ROUTE NO. 33 TO A FOUR-LANE ROAD
	BETWEEN RUFINO AND ROSARIO
MCC144	UPGRADE OF NATIONAL ROUTE NO. 34 TO A FOUR-LANE ROAD BETWEEN
	ROSARIO AND SUNCHALES
MCC146	UPGRADE OF NATIONAL ROUTE NO. 3 TO A FOUR-LANE ROAD:
	SAN MIGUEL DEL MONTE - LAS FLORES - AZUL
MCC147	UPGRADE OF NATIONAL ROUTE NO. 5 TO A FOUR-LANE ROAD BETWEEN LUJÁN
	AND THE ACCESS TO BRAGADO
MCC148	UPGRADE OF NATIONAL ROUTE NO. 33 TO A FOUR-LANE ROAD BETWEEN
	PIGÜÉ AND BAHIA BLANCA
MCC149	UPGRADE OF NATIONAL ROUTE NO. 205 BETWEEN THE INTERSECTION
1466450	WITH NATIONAL ROUTE NO. 3 AND SALADILLO
MCC158	DREDGING OF AND INSTALLATION OF SIGNS, MARKERS AND AIDS
	TO NAVIGATION ON THE MIRIM LAKE - DOS PATOS LAKE SYSTEM

FROM PRE-EXECUTION TO EXECUTION





TROUTT		
AND22	MATAJE RIVER BINATIONAL BORDER SERVICE CENTER (CEBAF)	
AND90	PAVING AND IMPROVEMENT OF THE SAN VICENTE DEL CAGUÁN - SAN JOSÉ DE FRAG	UA
	EL PORVENIR ROAD SECTION	
HPP64	PAVING OF THE VILLETA - ALBERDI ROAD SECTION	
HPP117	HIGH-VOLTAGE TRANSMISSION LINE BETWEEN MERCEDES AND PASO DE LOS LIBRES	
AMA19	CONSTRUCTION AND IMPROVEMENT OF EL REPOSO - SARAMIRIZA ROAD	
	(NATIONAL ROUTE NO. 4C)	
AMA61	IMPLEMENTATION OF THE NEW COCA AIRPORT	
AMA63	IIRSA CENTER, SECTION 2: RICARDO PALMA - LA OROYA	
	TURN OFF TO CERRO DE PASCO / LA OROYA - HUANCAYO	
AMA71	PROVIDENCIA PORT	40

DES19 IMPROVEMENT OF THE ACCESS TO ICALMA BORDER CROSSING
DES21 IMPROVEMENT OF THE ACCESS TO HUA HUM BORDER CROSSING

MCC68 NORTHEASTERN ARGENTINA GAS PIPELINE

MCC122 IMPROVEMENT AND UPGRADE OF NATIONAL ROUTE NO. 127

TO A FOUR-LANE ROAD BETWEEN PASO DE LOS LIBRES AND PARANÁ

MCC133 ENLARGEMENT OF THE ARTURO MERINO BENÍTEZ AIRPORT (SANTIAGO)

PBB64 BRIDGE OVER THE MADEIRA RIVER IN EN ABUNÃ (BR-364/RO)

FROM PROFILING TO EXECUTION





AND24 REHABILITATION OF THE BORBÓN - SAN LORENZO - MATAJE SECTION

AND69 OPTICAL FIBER CABLES FOR TELECOMMUNICATIONS IN TRANSMISSION NETWORKS

CAP75 PAVING OF SICO BORDER CROSSING - CASS-SAN PEDRO DE ATACAMA

(NATIONAL ROUTE CH-23)

FROM PRE-EXECUTION TO COMPLETED







CAP89 HITO CAJÓN BORDER COMPLEX

AMA39 IMPROVEMENT OF NAVIGATION CONDITIONS ON THE MORONA RIVER

FROM EXECUTION TO COMPLETED





CAP46	CONCE	ESSIONOF	E ANTOFA	AGASTA	EXPRESS\\\/	Δ,

CAP88 ANTOFAGASTA AIRPORT HPP56 SANTA FE CITY BELTWAY

AMA09 REHABILITATION AND PAVING OF THE SAN LORENZO - EL CARMEN ROAD SECTION
AMA48 IMPROVEMENT OF THE PUERTO BOLÍVAR - PASAJE - SANTA ISABEL - GIRÓN - CUENCA -

PAUTE - AMALUZA - MÉNDEZ - PUERTO MORONA ROAD SECTION

AMA105 NORTH-SOUTH RAILWAY - PHASE III (PALMAS - CAMPINORTE) IOC25 PUERTO SUÁREZ - CORUMBÁ INTEGRATED CONTROL AREA

MCC84 ENCARNACIÓN AIRPORT

PBB18 ELECTRICITY TRANSMISSION LINE BETWEEN THE TWO HYDROELECTRIC POWER

STATIONS ON THE MADEIRA RIVER AND THE CENTRAL SYSTEM