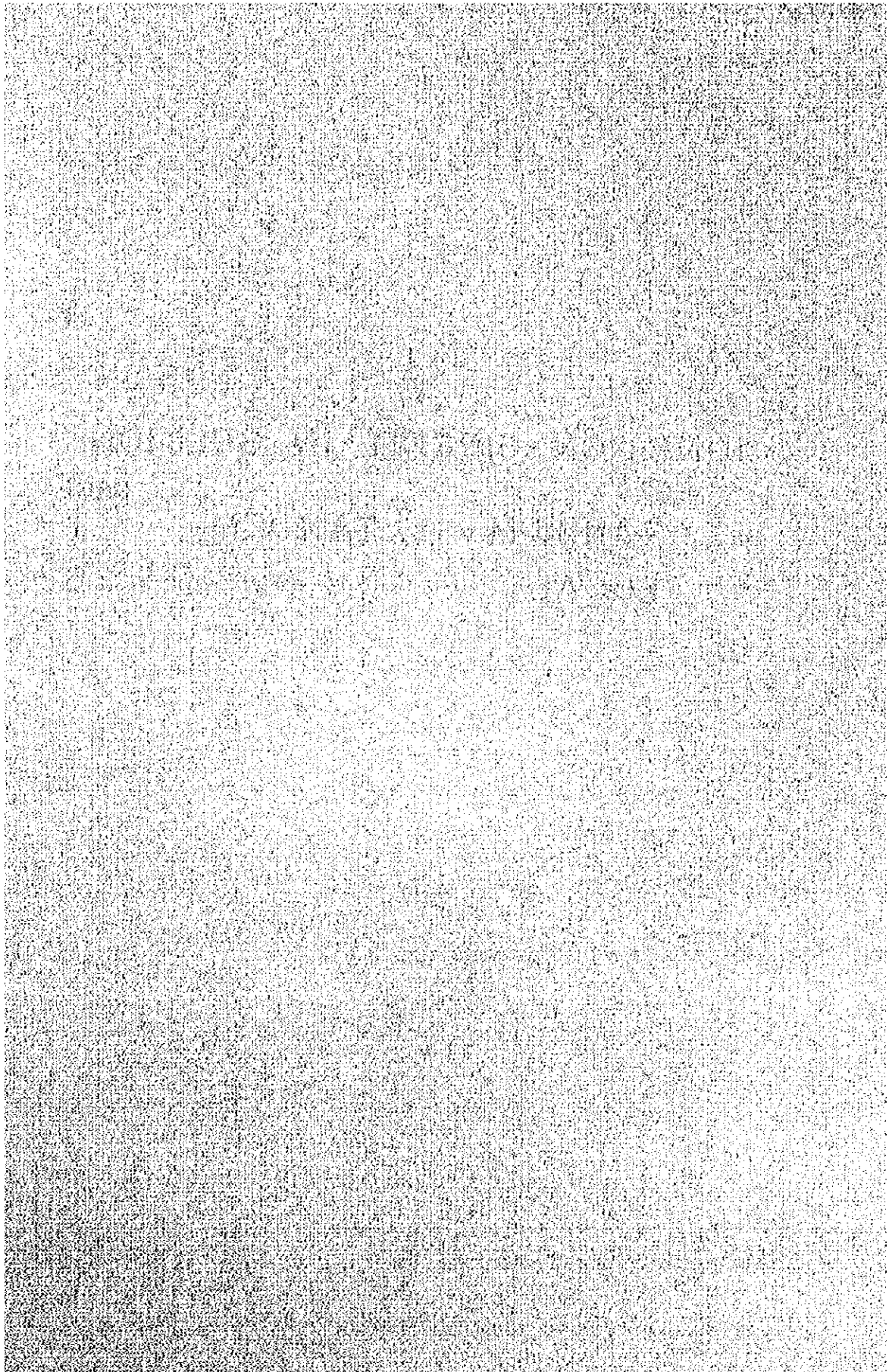


JUNCTION CIRCUIT IN SECTION

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LPI -- LP2	48	CP -- HM	95
IM -- PY	49	ON -- PN	96
NN -- NW	50	PV -- ON	97
KC -- LP2	51	LB -- PV	98
ASD -- PY	52	PS -- PN	99
ASD -- PL	53	BN -- PN	100.101
CP -- PL	54	PS -- BN	102
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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text suggests that organizations should implement robust systems to track and document every aspect of their operations, from procurement to sales.

2. The second section addresses the challenges of data management in a digital age. It highlights the need for secure storage and access to information, as well as the importance of data integrity. The author notes that while digital tools offer significant advantages, they also introduce new risks, such as data breaches and loss. Therefore, organizations must invest in strong cybersecurity measures and regular data backups to mitigate these risks.

3. The third part of the document focuses on the role of technology in improving efficiency and productivity. It discusses various digital tools and platforms that can streamline workflows and reduce manual errors. The text argues that embracing technology is not just a matter of convenience but a strategic imperative for staying competitive in a fast-paced market. However, it also cautions against over-reliance on technology and stresses the importance of training employees to effectively use these tools.

4. The fourth section explores the impact of globalization on business operations. It notes that companies now often have a global footprint, which requires a deep understanding of different cultures, legal systems, and market conditions. The author suggests that organizations should adopt a more flexible and adaptive approach to management, one that can navigate the complexities of a global environment. This may involve hiring diverse talent and fostering a culture of cross-cultural collaboration.

5. The final part of the document discusses the importance of innovation and continuous improvement. It argues that in a rapidly changing world, organizations must constantly seek out new ways to do things better, faster, and cheaper. This involves not only investing in research and development but also encouraging a culture of experimentation and learning from failure. The text concludes by emphasizing that innovation is the key to long-term success and growth in any industry.





SECTION PAIRS		PY — KK						PCM	REMARK
		0.9		0.65		0.5			
		L	NL	L	NL	L	NL		
[PY]	--- KK					42			
PY	--- [KK]					30			
PY	--- KK						100		
[PY]	--- [KK]	69							
PY	--- [KK TOLL]			66					
[PY TOLL]	--- KK			76					
PY	--- [KK OTD]			12					
IM	--- [KK]			39					
IM	--- [KK]					38			
IM	--- [KK TOLL]	33							
IM	--- [KK OTD]	6							
LP1	--- [KK]	16							
LP1	--- KK					30			
LP1	--- [KK OTD]	6							
LP2	--- [KK]	17							
LP2	--- KK			32					
LP2	--- [KK OTD]	6							
BK	--- [KK]			18					
BK	--- [KK OTD]	6							
BK	--- KK			46					
NW	--- [KK]	61							
NW	--- [KK OTD]	11							
NW	--- KK	40							
SUB-TOTAL		271		289		140	100		
TOTAL		498		289		140	100	814	

(II)

PL — KK

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
[PN]	— KK			72					
PN	— [KK]			19					
[PN]	— [KK]							143	
PN	— [KK TOLL]							172	
PN	— [KK OTD]	6							
PN	— KK					12			
PN	— [KK] MC	15							
[PN]	— BP							36	
[PN]	— SS	36							
BN	— [KK]							49	
BN	— [KK OTD]							11	
BN	— KK			26					
BN	— SS	12							
PS	— [KK]							27	
PS	— [KK OTD]							5	
PS	— KK	28							
PS	— SS			6					
PS	— BP	6							
SPK	— [KK]							49	
SPK	— [KK OTD]							5	
BPO	— [KK]							8	
BPO	— [KK OTD]							2	
ON	— [KK]	39							
ON	— [KK OTD]							5	
PV	— [KK]							6	
PV	— [KK OTD]							2	
BPL	— [KK OTD]	2							
LB	— [KK]			12					
LB	— [KK OTD]	2							
CP	— [KK]	36							
CP	— KK					100			
CP	— [KK OTD]	12							
CP	— SS					24			
CP	— BP			30					
SUB-TOTAL		194		165		136		520	
TOTAL									

(II)		PL				KK		PCM	REMARK
SECTION	PAIRS	0-9		0-65		0-5			
		L	NL	L	NL	L	NL		
[PL]	KK					46			
PL	[KK]					30			
[PL]	[KK]	79							
PL	KK						210		
PL	[KK TOLL]					147			
PL	[KK OTD]					25			
[PL]	[KK] MC					14			
[PL]	SS					27			
PL	SS						59		
[PL]	BP			16					
PL	BP					72			
ASD	[KK]	20							
ASD	KK						62		
ASD	[KK TOLL]	54							
ASD	[KK OTD]	11							
ASD	SS			17					
ASD	BP	18							
SV	[KK]			10					
SV	KK						46		
SV	[KK TOLL]	35							
SV	[KK OTD]	7							
SV	SS					16			
SV	BP					13			
MM	[KK]			7					
MM	KK				34				
MM	[KK TOLL]	33							
MM	[KK OTD]	6							
MM	BP			16					
KT	[KK]	21							
KT	KK					34			
KT	[KK TOLL]	33							
KT	[KK OTD]	6							
KT	BP	18							
HM	[KK]			18					
HM	KK					42			
HM	[KK OTD]	7							
HM	SS			16					
HM	BP			14					
KC	[KK]	56							
KC	KK	34							
KC	[KK OTD]	11							
KC	SS			18					
KC	BP	12							
SUB TOTAL		460		132	34	466	377		
TOTAL		664		297	34	602	377	520	













(VI)

PL — PY

SECTION	PAIRS		0.9		0.65		0.5		PCM	REMARK
	L	NL	L	NL	L	NL				
[PL] — PY							28			
PL — [PY]							74			
[PL] — [PY]	72									
PL — PY								108		
PL — [PY TOLL]					172					
[PL] — IM					18					
PL — IM							28			
[PL] — BS					26					
PL — BS							30			
[PL] — NN	25									
[PL] — LPI	22									
PL — LPI							30			
[PL] — LP <sub>2</sub>	25									
[PL] — LP <sub>2</sub>					42					
SV — [PY]					14					
SV — PY							34			
SV — [PY TOLL]	41									
SV — IM					15					
SV — BS					14					
SV — LP <sub>1</sub>					13					
SV — LP <sub>2</sub>					16					
MM — [PY]					17					
MM — PY							26			
MM — [PY TOLL]	30									
MM — BS					6					
MM — LP <sub>1</sub>					12					
MM — LP <sub>2</sub>					15					
KT — [PY]	30									
KT — PY					14					
KT — [PY TOLL]	38									
KT — IM					6					
KT — BS					13					
KT — LP <sub>1</sub>	14									
KT — LP <sub>2</sub>	16									
HM — [PY]					16					
HM — PY							32			
HM — IM	16									
HM — BS	16									
—										
BK — [PL]	26									
BK — PL					42					
BK — SV					12					
BK — MM					7					
BK — KT	12									
NW — [PL]	56									
NW — PL	38									
NW — MM	6									
NW — KY	6									
—										
—										
—										
—										
—										
—										
—										
SUB-TOTAL	497		490	32	250		108			
TOTAL										

(VI)

PL — PY

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
[LS]	PL							56	
LS	[PL]							29	
[LS]	[PL]							113	
[LS]	MM							20	
[LS]	SV							22	
[LS]	KT							23	
OM	PL	28							
OM	[PL]	30							
RS	[PL]	8							
NWN	[PL]	13							
RID	PL							30	
RID	[PL]							31	
RID	MM							7	
RID	SV							6	
RID	KT							14	
BSN	[PL]	16							
CW	[PL]							19	
PK	[PL]							8	
PT	[PL]	9							
CP	[LS]							38	
CP	DM							28	
CP	RID							30	
HM	[LS]							28	
HM	BK	15							
HM	RID							19	
SUB TOTAL		119						521	
TOTAL		616		490	32	250	108	521	

SECTION		0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
[PN]	LS							34	
PN	[LS]							15	
[PN]	[LS]							139	
[PN]	[LS MC]							15	
[PN]	DM							36	
[PN]	RS							10	
[PN]	NWN							13	
[PN]	RID							41	
PN	RID							6	
[PN]	BSN							19	
[PN]	NC							5	
[PN]	CW							21	
[PN]	PK							9	
[PN]	PT							11	
[PN] MC	BSN							3	
[PN] MC	NC							2	
[PN TOLL]	BSN							26	
BN	[LS]							37	
BN	RID							7	
PS	[LS]							22	
PS	RID							6	
SPK	[LS]							18	
ON	[LS]							18	
LB	[LS]							6	
[PN]	PY	60							
PN	[PY]	24							
[PN]	[PY]							130	
[PN]	[PY TOLL]							204	
[PN]	BS							30	
[PN]	NN							25	
[PN]	IM							43	
[PN]	LP1							36	
[PN]	LP2							36	
PN	LP2	6							
BN	[PY]							40	
BN	PY	14							
BN	BS	13							
BN	LP2	6							
PS	[PY]							30	
PS	PY	12							
PS	BS							6	
PS	LP2							12	
SPK	[PY]							25	
ON	[PY]							22	
LB	[PY]							7	
[PN]	BK							37	
[PN]	NW							67	
BN	BK							6	
TOTAL		135						1291	



LS — PY

SECTION	PAIRS	0-9		0-85		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
[LS] -- [KK]								117	
LS -- [KK]								42	
[LS] -- KK								46	
[LS] -- [KK TOLL]								193	
LS -- [KK OTD]								5	
[LS] -- SS								20	
[LS] -- BP								23	
[LS] -- SR								88	
[LS] -- PW								55	
LS -- PW		6							
LS -- [KK] MC								14	
DM -- [KK]								28	
DM -- KK								34	
DM -- [KK OTD]								5	
DM -- SS								23	
DM -- SR								56	
RS -- [KK]								12	
RS -- [KK OTD]								3	
NWN -- [KK]								18	
NWN -- [KK OTD]								3	
RID -- [KK]								25	
RID -- KK								30	
RID -- [KK OTD]								6	
RID -- SS								12	
RID -- OP								13	
RID -- SR								52	
NC -- [KK]								8	
NC -- [KK OTD]								2	
CW -- [KK]								28	
CW -- [KK OTD]								5	
PK -- [KK]								14	
PK -- [KK OTD]								3	
PT -- [KK]								16	
PT -- [KK OTD]								3	
BT -- [KK OTD]								2	
TY -- [KK]								7	
TY -- [KK OTD]								2	
[LS] -- [SW]								123	
LS -- [SW]								27	
[LS] -- SW								79	
[LS] -- TK								18	
[LS] -- TC								38	
[LS] -- SP								18	
[LS] -- [SW] "13"								40	
DM -- [SW]								28	
DM -- SW								57	
RS -- [SW]								8	
NWN -- [SW]								9	
RID -- [SW]								32	
RID -- SW								54	
RID -- TC								6	
CW -- [SW]								19	
PK -- [SW]								8	
PT -- [SW]								8	
SUB TOTAL		6						1585	
TOTAL									

VI

LS — PY

SECTION	PAIRS		0-9		0-65		0-5		PCM	REMARK
	L	NL	L	NL	L	NL				
[LS] — [PY]									93	
LS — [PY]									20	
[LS] — PY									36	
[LS] — [PY TOLL]									230	
[LS MC] — PY									10	
[LS] — IM			17							
[LS MC] — IM			5							
[LS] — BS			21							
LS — BS			7							
[LS MC] — BS			5							
DM — [PY]									27	
DM — PY									56	
DM — BS									24	
DM — LP2									6	
DM — IM									6	
RS — [PY]									8	
NWN — [PY]									10	
RID — [PY]									26	
RID — PY									16	
RID — BS									17	
RID — LP1									17	
RID — LP2									24	
RID — IM									14	
CW — [PY]									23	
PK — [PY]									9	
PT — [PY]									8	
[LS] — PL									56	
LS — [PL]									29	
[LS] — [PL]									113	
[LS] — MM									20	
[LS] — ASD									40	
[LS] — SV									22	
[LS] — KT									23	
DM — PL									28	
DM — [PL]									30	
RS — [PL]									8	
NWN — [PL]									13	
RID — PL									30	
RID — [PL]									31	
RID — MM									7	
RID — SV									6	
RID — KT									14	
CW — [PL]									19	
PK — [PL]									8	
PT — [PL]									9	
KC — [LS]			43							
KC — DM			18							
HM — [LS]									28	
HM — RID									19	
SUB TOTAL			116						1233	
TOTAL										

VI

LS — PY

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
[TH] --- LS								24	
TH --- [LS]								50	
[TH] --- [LS]								121	
[TH] --- DM								39	
[TH] --- RS								7	
[TH] --- NWN								10	
[TH] --- RIO								38	
TH --- DM								19	
[TH] --- CW								16	
[TH] --- PK								7	
[TH] --- PT								8	
[TH] MC --- LS								13	
TH --- RIO								19	
OK --- [LS]								23	
EC --- [LS]								12	
RB --- [LS]								15	
PD --- [LS]								28	
PD --- DM								12	
BC --- [LS]								25	
PC --- [LS]								15	
MK --- [LS]		6							
NK --- [LS]		6							
CN --- [LS]								24	
TH --- LS		14							
[TH] --- BT								2	
[PN] --- LS								34	
PN --- [LS]								15	
[PN] --- [LS]								139	
[PN] --- [LS] MC								15	
[PN] --- DM								36	
[PN] --- RS								10	
[PN] --- NWN								13	
[PN] --- RIO								41	
PN --- RIO								6	
[PN] --- BSN								19	
[PN] --- NC								5	
[PN] --- CW								21	
[PN] --- PK								9	
[PN] --- PT								11	
[PN] MC --- BSN								3	
[PN] MC --- NC								2	
[PN TOLL] --- BSN								26	
BN --- [LS]								37	
BN --- RIO								7	
PS --- [LS]								22	
PS --- RIO								6	
SPK --- [LS]								18	
ON --- [LS]								18	
LB --- [LS]		6							
CP --- [LS]								38	
CP --- DM								28	
CP --- RIO								30	
SUB TOTAL		32						1136	
TOTAL		154						3954	





(IX)

SW — PL

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
[PN]	SW	141							
PN	[SW]	21							
PN	SW					18			
[PN]	[SW]							155	
[PN]	[SW] "13"	51							
[PN]	TK	30							
BN	[SW]			54					
BN	SW			51					
PS	[SW]							45	
PS	SW	27							
PS	TC							6	
SPK	[SW]							31	
SPK	SW			18					
ON	[SW]	23							
LB	[SW]			7					
[PN]MC	TK	4							
CP	[SW]			50					
CP	SW					186			
SUB TOTAL		297		180		204		237	
TOTAL									









(XI)

TH --- SW

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
TH	PL			91					
TH	PL			50					
TH	PL					77			
TH	PL							108	
TH	MM			31					
TH	MM					24			
TH	KT			41					
TH	KT					23			
TH	ASD			53					
TH	SV			37					
TH	ASD			22					
DK	PL							29	
DK	PL					14			
DK	MM			16					
DK	KT	15							
DK	SV			13					
EC	PL							22	
RB	PL							22	
PD	PL							28	
PD	PL							43	
PD	MM	16							
PD	KT							18	
PD	ASD							6	
PD	SV							15	
PP	PL	6							
BC	PL	32							
PC	PL							26	
MK	PL							10	
NK	PL							10	
CN	PL			22					
CN	PL			28					
CN	MM	7							
CN	KT							8	
CN	ASD							12	
TH	CP			74					
TH	HM							37	
TH	HM			26					
TH	KC	53							
TH	KC			25					
DK	HM							12	
PD	CP							14	
PD	HM							15	
PD	KC	6							
TH	SV					25			
SUB TOTAL		135		529		163		435	
TOTAL									

(XI)

TH — SW

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
TH	PN							22	
TH	PN							68	
TH	PN							154	
TH	BN							44	
TH	PS							37	
TH	PS							21	
TH	SPK							28	
TH	ON							21	
TH	LB							7	
TH	PN MC							14	
TH	CP			40					
DK	PN							45	
DK	PN							6	
DK	PS							6	
EC	PN							23	
RB	PN							24	
PD	PN							50	
PD	PN							6	
PD	ON							6	
PD	PS							18	
PD	SPK							12	
PP	PN							7	
BC	PN							42	
PC	PN							28	
MK	PN							10	
NK	PN							11	
CN	PN							43	
TH	BN			7					
TH	SPK			15					
TH	PN					17			
SUB TOTAL				62		17		753	
TOTAL									

(XI)

TH — SW

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
[TH] ---	PY	56							
TH ---	PY			54					
TH ---	[PY]	34							
[TH] ---	[PY]							112	
[TH] ---	[PY TOLL]							215	
[TH] ---	BS	31							
TH ---	BS	24							
[TH] ---	IM	32							
[TH] ---	LP1							39	
[TH] ---	LP2							36	
TH ---	LP2							21	
[TH] ---	NN							23	
TH ---	IM			14					
DK ---	[PY]							28	
DK ---	PY	12							
DK ---	BS	13							
DK ---	LP2	6							
EC ---	[PY]							16	
RB ---	[PY]							17	
PD ---	[PY]							32	
PD ---	PY							16	
PD ---	BS							14	
PD ---	IM							6	
PD ---	LP2							12	
BC ---	[PY]							29	
BC ---	PY			12					
BC ---	BS	13							
PC ---	[PY]							20	
MK ---	[PY]							9	
NK ---	[PY]							7	
CN ---	[PY]	30							
CN ---	PY	12							
CN ---	BS							13	
[TH] ---	BK							32	
[TH] ---	NW							54	
TH ---	NW			27					
DK ---	BK							6	
OK ---	NW							7	
PD ---	BK							6	
PD ---	NW							7	
BC ---	BK							12	
BC ---	NW							7	
TH ---	LP1			20					
TH ---	NN	6							
TH ---	BK					18			
TH ---	RID							19	
SUB TOTAL		269		127		18		815	
TOTAL									



(X)

TH — SW

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
[TH] — LS								24	
TH — [LS]								50	
[TH] — [LS]								121	
[TH] — DM								39	
[TH] — RS								7	
[TH] — NWN								10	
[TH] — RID								38	
[TH] — BSN		11							
[TH] — CW								16	
[TH] — PK								7	
[TH] — PT								8	
[TH] — [LS] MC								13	
TH — DM								19	
DK — [LS]								23	
EC — [LS]								12	
RB — [LS]								15	
PD — [LS]								28	
PD — DM								12	
BC — [LS]								25	
PC — [LS]								15	
MK — [LS]								6	
NK — [LS]								6	
CN — [LS]								24	
TH — LS				14					
[TH] — SW						123			
TH — [SW]						40			
TH — SW							164		
[TH] — [SW]		90							
[TH] — [SW] "13"						45			
[TH] — SP		24							
[TH] — TC		63							
TH — TC						54			
[TH] — JK						29			
TH — JK						16			
DK — [SW]				22					
DK — SW						82			
DK — TC				20					
EC — [SW]		22							
RB — [SW]				25					
PD — [SW]		33							
PD — SW				60					
PD — TC		17							
DC — [SW]				23					
BC — SW						54			
BC — TC				6					
PC — [SW]		27							
MK — [SW]				9					
NK — [SW]				9					
CN — [SW]		25							
CN — SW						51			
		312		188		194	164	518	
<b>TOTAL</b>		<b>716</b>		<b>906</b>		<b>692</b>	<b>164</b>	<b>2521</b>	

NO. 25



(2)

SR — KK

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
SR	[KK]						776		
	[KK TOLL]						220		
	[KK OTD]						36		
	[KK] MC						20		
	KK						432		
	SS						112		
	BP						152		
	PW						484		
	BS						80		
	[LS]						88		
	RID						52		
	DM					56			
TOTAL						56	2452		

SECTION		0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
NN	[KK]			14					
"	[KK OTD]	5							
BS	[KK]					15			
"	[KK OTD]			7					
"	KK						52		
"	SR						80		
"	PW						42		
BP	[KK]			217					
"	KK						82		
"	[KK OTD]			7					
"	SR				152				
"	PW				64				
"	[PL]			16					
"	PL					72			
"	MM			16					
"	KT			18					
"	SV			13					
"	ASD			18					
"	[PN]			36					
"	CP	30							
"	PS	6							
"	HM			14					
"	KC			12					
"	[LS]			23					
"	RID			13					
"	[SW]			20					
"	SW					83			
"	TC	12							
SS	[KK]				215				
"	[KK TOLL]				33				
"	[KK OTD]				6				
"	KK						66		
"	SR						112		
"	PW						76		
"	[PL]			27					
"	PL					59			
"	ASD			17					
"	SV					16			
"	[PN]			36					
"	BN	12							
"	PS	6							
"	CP	24							
"	HM			16					
"	KC			10					
"	[TH]			27					
"	TH				32				
"	DK				12				
"	PD				13				
"	[LS]				20				
"	OM			23					
"	RID					12			
"	[SW]			28					
"	SW	1			63				
"	TC				6				
"	[KK] MC						5		
BP	PD	14							
TOTAL		109		666	616	257	515		

④

SS --- BP

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
BP	[KK]			217					
	KK						82		
	[KK OTD]			7					
	SR						152		
	PW				64				
	SS						56		
	[PL]			16					
	PL						72		
	MM				16				
	KY			18					
	SV				13				
	ASD			18					
	[PN]			36					
	CP			30					
	PS			6					
	HM				14				
	KC			12					
	[PY]				23				
	PY						48		
	DS						28		
	LP1				14				
	LP2				13				
	[LS]			23					
	NW				14				
	BK			15					
	RID			13					
	[SW]			20					
	SW						83		
	TC				12				
SS	CN						23		
BP	PD			14					
TOTAL				445	183		544		

NO. 29

6

P W — P Y

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
PW	[PY]					44			
	PY						120		
	[PY FOLL]					85			
	IM						36		
	LP1					38			
	LP2					36			
	LS					6			
	BK					34			
	NW					28			
TOTAL						271	156		







⑨		P W — SW						PCM	REMARK
SECTION	PAIRS	0-9		0-65		0-5			
		L	NL	L	NL	L	NL		
P W	[S W]						60		
"	SW						368		
"	TC						59		
"	TK						12		
TOTAL							499		

10

PW — PL

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
PW	[PL]						46		
"	PL						337		
"	MM						63		
"	KT						60		
"	SV						60		
"	ASD						99		
"	[PN]					68			
"	PN						30		
"	BN						31		
"	PS						31		
"	CP						112		
"	HM						44		
"	KC						31		
TOTAL						68	944		

②

SR — PL

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L		L	NL	L	NL		
SR	PL					60			
"	PL						396		
"	MM					108			
"	KT			92					
"	SV					76			
"	ASD			152					
"	PN			164					
"	PN			24					
"	CP				208				
"	HM			80					
"	KC			56					
"	BN			24					
"	PS			52					
TOTAL				644	208	244	396		





		SS		SS.b		PY			
SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
SP	[PY]	23							
"	PY		48						
"	LP1	14							
"	LP2	13							
"	BK	15							
SS	[PY]		27						
"	[PY TOLL]	38							
"	PY		62						
"	IM		17						
"	LP1	8							
"	LP2	13							
"	BK	25							
TOTAL		149	154						

16

SS.b — PY

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
BS	[LS]	21							
	LS			7					
	[LS]MC	5							
	RID	17							
	DM			24					
	[TH]	31							
	TH	24							
	PD	14							
	DK	13							
	BC	13							
	CN			13					
	[SW]			27					
	SW			60					
	TC	12							
	[PY]			214					
	PY			70					
	IM			19					
	LP <sub>1</sub>			28					
	LP <sub>2</sub>			18					
	[PL]			26					
	PL			30					
	ASD			18					
	SV			14					
	KT	13							
	MM			6					
	[PN]			38					
	CP			12					
	BN	13							
	KC			28					
	PS			6					
	HM	16							
NN	[PY]	239							
	[PL]	25							
	[TH]	23							
	[PN]	25							
	[SW]	21							
	TH			6					
TOTAL		525		664					









19 20

LP1 — LP. b — PY

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
LP1	[PY]			264					
	PY				50				
	IM			28					
	BS			28					
	[KK]			16					
	KK			30					
	[KK OTD]	6							
	SS			8					
	BP			14					
	[PN]			36					
	[SW]			27					
	SW			48					
	BK			27					
	NW				14				
	RID			17					
	SR			60					
	PW			38					
	[PL]			22					
	PL			30					
	MM			12					
	ASD			16					
	SV			13					
	KT			14					
	[TH]			39					
	CP			30					
LP2	[PY]	194							
	PY			34					
	IM			17					
	BS			18					
	[KK]	17							
	KK			32					
	[KK OTD]	6							
	SS			13					
	BP			13					
	SR			64					
	PW	36							
	[TH]	36							
	TH	21							
	PD	12							
	OK	6							
	[PL]	25							
	PL			42					
	ASD			15					
	MM	15							
	SV	16							
	KT	16							
	[PN]	36							
	PN	6							
	CP			36					
	BN	6							
	PS	12							
	[SW]	30							
	SW			45					
	TC	6							
	BK	23							
	NW			12					
	RID	24							
	DM	6							
LP1	TH			20					
SUB TOTAL		855		1178	64				
TOTAL									

19 20

LPi — LP.b — PY

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
KC	[PY]							41	
"	PY							46	
"	IM							18	
"	DS							28	
"	DK							38	
"	NW							17	
"	[TH]							53	
"	TH							25	
"	PO							6	
"	[LS]							43	
"	DM							18	
BSN	[KK]							22	
"	[KK OTD]							4	
"	[PY]							14	
"	[PL]							16	
"	[TH]							11	
"	[SW]							12	
SUB TOTAL								412	
TOTAL		555		1178	64			412	







②1		LPI — LP2							
SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
LPI	LP2		26						
✓	KC		17						
✓	HM		18						
LP2	[PY]	194							
✓	PY	34							
✓	IM	17							
✓	DS	18							
✓	[KK]	17							
✓	KK	32							
✓	[KK OTD]	6							
✓	SS	13							
✓	BP	13							
✓	SR	64							
✓	PW	36							
✓	[TH]	36							
✓	TH	21							
✓	PD	12							
✓	DK	6							
✓	[PL]	25							
✓	PL		42						
✓	ASD	15							
✓	MM	15							
✓	SV	16							
✓	KT	16							
✓	[PN]	36							
✓	PN	6							
✓	CP	36							
✓	BN	6							
✓	PS	12							
✓	[SW]	30							
✓	SW	45							
✓	TC	6							
✓	BK	23							
✓	NW	12							
✓	RID	24							
✓	DM	6							
✓	[LS]	26							
✓	LS		7						
✓	[LS]MC	5							
✓	[LS]TOLL	54							
KC	[PY]							41	
✓	PY							46	
✓	IM							18	
✓	DS							28	
✓	BK							38	
✓	NW							17	
✓	[TH]							53	
✓	TH							25	
✓	PD							6	
✓	[LS]							43	
✓	DM							18	
BSN	[KK]							22	
✓	[KK OTD]							4	
✓	[PY]							14	
✓	[PL]							16	
✓	[TH]							11	
✓	[SW]							12	
TOTAL		933	110					412	



22

I M — P Y

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
IM	[PY]				277				
"	PY						48		
"	[PY TOLL]				38				
"	LPI						29		
"	LP2						17		
"	[LS]			17					
"	[LS] MC			5					
"	BK						20		
"	NW				23				
"	DM				6				
"	RIO			14					
"	BS						19		
"	[KK]			39					
"	KK				38				
"	[KK TOLL]			33					
"	[KK OTD]			6					
"	SS						17		
"	PW			36					
"	[PL]			18					
"	PL						28		
"	SV						15		
"	KT			6					
"	ASD						37		
"	[TH]			32					
"	PD			6					
"	[PN]				43				
"	KC				18				
"	HM				16				
"	CP			12					
"	[SW]			35					
"	SW						18		
"	TH			14					
TOTAL				273	459		247		

NO. 49



(25)

KC — LP2

SECTION	PAIRS	0.9		0.85		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
HM	LP1	18							
	LP2	29							
KC	[PY]							41	
	PY							46	
	LP1	17							
	LP2	44							
	IM							18	
	BS							28	
	BK							38	
	NW							17	
	[TH]							53	
	TH							25	
	PD							6	
	[IS]							43	
	DM							19	
BSN	[KK]							22	
	[KK OTD]							4	
	[PY]							14	
	[PL]							16	
	[TH]							11	
	[SW]							12	
TOTAL		108						412	

(26)

ASD — PY

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
ASD	[PY]				37				
"	PY				82				
"	[PY] TOLL			62					
"	IM				37				
"	BS				18				
"	LP1				16				
"	LP2				15				
"	[LS]			40					
"	BK				12				
CP	[PY]			32					
"	PY			56					
"	IM	12							
"	BS			12					
"	LP1			30					
"	LP2	36							
"	BK	30							
"	NW	12							
TOTAL		90		232	217				

NO. 52

(27)

ASD — PL

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
ASD	PL					457			
"	PL						156		
"	SV						22		
"	MM					18			
"	KT					16			
"	KK					20			
"	KK					62			
"	KK TOU					54			
"	KK OTO					11			
"	PW						99		
"	SR					152			
"	SS					17			
"	BP					18			
"	TH					53			
"	CN					12			
"	PD					6			
"	HM					40			
"	KC					13			
"	SW					37			
"	SW					116			
"	TH					22			
TOTAL						1124	277		



(29) (35)

MM — PL

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
KT	[KR]			21					
	[KR TOLL]	33							
	[KR OTD]	6							
	KK			34					
	BP			18					
	SR			92					
	PW			60					
	[PY]	30							
	[PY TOLL]	38							
	PY			14					
	BS	13							
	IM	6							
	LP <sub>1</sub>	14							
	LP <sub>2</sub>	16							
	[LS]	23							
	RID	14							
	BK	12							
	NW	6							
	[PL]	208							
	PL			75					
	ASD			16					
	HM			18					
	KC			13					
	CN	8							
	PD	18							
MM	[KR]			7					
	[KR TOLL]	33							
	[KR OTD]	6							
	KK				34				
	BP			16					
	SR			108					
	PW				63				
	[PY]			17					
	[PY TOLL]	38							
	PY				26				
	BS			6					
	LP <sub>1</sub>			12					
	LP <sub>2</sub>			15					
	[LS]			20					
	RID			7					
	BK		7						
	NW				6				
	[PL]			250					
	PL				76				
	ASD				18				
	HM				17				
	KC		6						
TOTAL		522	13	744	315				

(29) (37)

MM SV

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
KT	SV			28					
	[PN]	42							
	[PN]MC	5							
	PN			8					
	BN	16							
	PS	17							
	SPK	6							
	CP			58					
MM	SV				28				
	[PN]			32					
	[PN]MC			5					
	PN			7					
	CP			60					
	BN			14					
	PS			15					
	SPK			6					
SV	TC				13				
CP	TC			30					
	SP			12					
SP	[PN]	35							
	[PN]MC	4							
TC	[PN]	65							
	[PN]MC	9							
TOTAL		199		275	41				



SECTION PAIRS		0.9		0.65		0.5		PCM	REMARK
KT		L	NL	L	NL	L	NL		
	[KK]	21							
	[KK YOLD]	33							
	[KK OTB]	6							
	KK			34					
	BP	18							
	SR				92				
	PW			60					
	[PY]			30					
	[PY TOLD]	38							
	PY				14				
	BS				13				
	IM				6				
	LP1				14				
	LP2				16				
	[LS]			23					
	RID	14							
	BK		12						
	NW	6							
	[PL]			208					
	PL				75				
	ASD			16					
	SV				28				
	MM				59				
	[PN]			42					
	[PN] MC			5					
	PN		8						
	BN			16					
	PS			17					
	SPK	6							
	CP	58							
	HM		18						
	KC		13						
	[SW]			22					
	SW				131				
	TK			6					
	TC				49				
	SP				15				
	[YH]	41							
	TH	23							
	CN			8					
	DK			15					
	PD			18					
TOTAL		264	51	520	512				

31

SV CP

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
KT	[PN]	42							
"	[PN] MC	5							
"	PN			8					
"	BN	16							
"	PS	17							
"	SPK			6					
"	CP						58		
MM	[PN]			32					
"	[PN] MC			5					
"	PN					7			
"	CP						60		
"	BN			14					
"	PS			15					
"	SPK			6					
SV	[PN]					38			
"	PN						20		
"	[PN] MC					5			
"	CP						88		
"	BN					17			
"	PS					14			
CP	[PL]					48			
"	PL						180		
"	[SW]			50					
"	SW			186					
"	TC					30			
"	SP			12					
"	[LS]			38					
"	DM			28					
"	RID			30					
SP	[PN]	35							
"	[DN] MC	4							
TC	[PN]	65							
"	[PN] MC			9					
CP	[KK]			36					
"	KK			100					
"	PW					112			
"	SR			208					
"	SS			24					
"	BP			30					
"	TH			40					
TOTAL		184		877		271	406		

32

CP — ASD

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
CP	ASD				54				
	[PY]	32							
	PY			56					
	IM			12					
	BS	12							
	LP1	30							
	LP2	36							
	BK			30					
	NW	12							
ASD	[PN]			55					
	[PN] MC			9					
	PS			6					
TOTAL		122		168	54				



		TC — SP.b — MM							
SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
TC	MM		53						
"	SV		13						
"	KT		49						
"	[PN]	65							
"	CP		30						
"	[PN] MC	9							
TOTAL		74	145						

(34) (84)

MM — SP.b — SP

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
SP	[S W]	236							
"	SW		36						
"	[K K]	39							
"	[K K TOLL]	21							
"	[K K OTD]	5							
"	[P Y]	23							
"	[P Y TOLL]	24							
"	[P L]	21							
"	MM		16						
"	KT		15						
"	[L S]	18							
"	[T H]	24							
"	[P N]	35							
"	CP		12						
"	[P N] MC	4							
TOTAL		450	79						

(35) (37)

SV — PL

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
SV	[PL]					260			
"	PL			97					
"	ASD			22					
"	[PY]					14			
"	PY			34					
"	[PY TOLL]			41					
"	BS			14					
"	IM			15					
"	LPI			13					
"	LP2			16					
"	[LS]			22					
"	BK			12					
"	RID			6					
"	[KK]					10			
"	KK					46			
"	[KK TOLL]			35					
"	[KK OTD]			7					
"	PW						60		
"	SR						76		
"	SS			16					
"	BP			13					
"	[SW]			19					
"	SW						84		
"	[TH]			37					
"	DK			13					
"	PD					15			
"	HM						29		
"	KC			14					
CP	[PL]					48			
"	PL						180		
"	[SW]			50					
"	SW					186			
"	[LS]			38					
"	DM			28					
"	RID			30					
"	[KK]			36					
"	KK			100					
"	PW					112			
"	SR			208					
"	SS			24					
"	BP			30					
SV	TH			25					
CP	TH			40					
TOTAL				1055		691	429		

36

MM --- SW

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
SP	[SW]					236			
"	SW						36		
"	[KK]					39			
"	[KK TOLL]					21			
"	[KK OTD]					5			
"	[PY]					23			
"	[PY TOLL]					24			
"	[PL]					21			
"	[LS]					18			
"	[TH]					24			
KT	[SW]					22			
"	SW						131		
"	[TM]					41			
"	TH					23			
"	DK					15			
MM	[SW]						13		
"	SW						138		
"	TK						13		
"	[TH]					31			
"	TH						24		
"	CN					7			
"	DK						16		
"	PD					16			
KT	TK					6			
TOTAL						572	371		



38 39

NW — NW.b — BK

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
NN	[L.S]	21							
"	[L.S] MC	4							
"	[L.S TOLL]	35							
OS	BK	41							
"	[L.S TOLL]	72							
NW	[L.S]	408							
"	[L.S TOLL]	94							
"	[L.S] MC	9							
"	DM	19							
"	RID	14							
"	BK		55						
NW	KK	40							
"	PL	38							
"	PY	56							
"	IM	23							
"	SR	68							
"	PW	28							
TOTAL		970	55						

NO.65

(40)

BK — LS

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
NN	[LS]	21							
"	[LS] MC	4							
"	[LS TOLL]	35							
BS	[LS TOLL]	72							
LP1	[LS]			22					
"	LS				13				
"	[LS] MC			5					
"	[LS TOLL]	53							
LP2	[LS]	26							
"	LS			7					
"	[LS] MC	5							
"	[LS TOLL]	54							
NW	[LS]	408							
"	[LS TOLL]	94							
"	[LS] MC			9					
"	DM			19					
"	RIO			14					
BK	[LS]			232					
"	[LS] MC				5				
"	[LS TOLL]			59					
"	LS				23				
"	DM			30					
"	RIO			21					
TOTAL		772		418	41				

(41)

RID.b — LS

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
N C	[KK]							8	
f	[KROTD]							2	
f	[LS]							85	
f	[LSTOLL]							9	
f	[PN]							5	
f	PN MC							2	
B S N	[LS]							173	
R I D	[KK]	25							
f	KK	30							
f	[KKOTD]	6							
f	SR	52							
f	BP	13							
f	SS	12							
f	[PY]	26							
f	PY	16							
f	BS	17							
f	IM	14							
f	L P 1	17							
f	L P 2	24							
f	[PL]	31							
f	PL	30							
f	MM	7							
f	SV	6							
f	KI	14							
f	[LS]	217							
f	LS			16					
f	[LS]MC			5					
f	NW	14							
f	BK			21					
f	DM			16					
f	[LSTOLL]	59							
f	[YH]	38							
f	[PN]	41							
f	PN	6							
f	CP	30							
f	BN	7							
f	TH	19							
f	PS	6							
f	HM	19							
f	[SW]	32							
f	SW	54							
f	TC	6							
B S N	[PN]							19	
f	[PN TOLL]							26	
f	[PN]MC							3	
TOTAL		888		50				332	

NO. 67







45

CW — LS

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
B T	[KK QID]							2	
"	[LS]							68	
"	[LS TOLL]							9	
"	[TH] MC							2	
P T	[KK]							16	
"	[KK QID]							3	
"	[PY]							8	
"	[PL]							9	
"	[LS]							124	
"	[LS] MC							3	
"	[TH]							8	
"	[PN]							11	
"	[SW]							8	
"	[LS TOLL]							19	
P K	[KK]	14							
"	[KK QID]	3							
"	[PY]	9							
"	[PL]	8							
"	[LS]	118							
"	[LS] MC	3							
"	[TH]	7							
"	[PN]	9							
"	[SW]	8							
"	[LS TOLL]	19							
C W	[KK]						28		
"	[KK QID]						5		
"	[PY]						23		
"	[PL]						19		
"	[LS]						230		
"	[LS] MC						4		
"	[TH]						16		
"	[PN]						21		
"	[SW]						19		
"	[LS TOLL]						35		
"	LS							12	
TOTAL		198				400	12	290	

NO. 71

(46)

PK — CW

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
B T	[KK OTD]							2	
*	[LS]							68	
*	[LS TOLL]							9	
*	[YH] MC							2	
P T	[KK]							16	
*	[KK OTD]							3	
*	[PY]							8	
*	[PL]							9	
*	[LS]							124	
*	[LS] MC							3	
*	[YH]							8	
*	[PN]							11	
*	[SW]							8	
*	[LS TOLL]							19	
P K	[KK]	14							
*	[KK OTD]	3							
*	[PY]	9							
*	[PL]	8							
*	[LS]	118							
*	[LS] MC	3							
*	[YH]	7							
*	[PN]	9							
*	[SW]	8							
*	[LS TOLL]	19							
TOTAL		198						290	

NO. 72







50

DM — LS

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
NWN	[KK]							18	
"	[KK OTD]							3	
"	[PY]							10	
"	[PL]							13	
"	[LS]							143	
"	[LS] MC							3	
"	[TH]							10	
"	[PN]							13	
"	[SW]							9	
"	[LS TOLL]							19	
RS	[KK]							12	
"	[KK OTD]							3	
"	[PY]							8	
"	[PL]							8	
"	[LS]							124	
"	[LS] MC							3	
"	[TH]							7	
"	[PN]							10	
"	[SW]							8	
"	[LS TOLL]							19	
YY	[KK]							7	
"	[KK OTD]							2	
"	[LS]							87	
"	[LS TOLL]							9	
"	[LS] MC							2	
DM	[KK]							28	
"	KK							34	
"	[KK OTD]							5	
"	SR							56	
"	SS							23	
"	[PY]							27	
"	PY							56	
"	BS							24	
"	IM							6	
"	LP2							6	
"	[PL]							30	
"	PL							28	
"	[LS]	277							
"	LS				14				
"	[LS] MC			4					
"	NW			19					
"	BK			30					
"	RID	16							
"	[TH]	39							
"	PD	12							
"	[PN]	36							
"	CP	28							
"	KC	18							
"	[LS]	45							
"	[SW]	28							
"	SW	57							
"	TH	19							
TOTAL		575		53	14			873	

NO. 76













55

DK — TH (2/2)

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
EC	PC	21							
	[TH]	221							
	[TH] MC	3							
	[KK]			38					
	[PY]	16							
	[PL]	22							
	[LS]	12							
	[PN]	23							
	[SW]	22							
	[TH TOLL]	31							
	[KK OTD]	4							
DK	KK						32		
	SR					104			
	BP	14							
	PW			46					
	SS					12			
	[KK]			12					
	[KK OTD]	6							
	PY			12					
	BS	13							
	LP2	6							
	[PY]					20			
	PL			14					
	MM			16					
	SV	13							
	KT			15					
	[PL]			29					
	NW					7			
	BK					6			
	[LS]					23			
	TH						56		
	BC				27				
	CN						14		
	[TH]					266			
	[TH] MC				5				
	[TH TOLL]					59			
	PN						6		
	PS			6					
	HM					12			
	[PN]					45			
	SW					82			
	YC	20							
	[SW]			22					
EC	TH					12			
SUB TOTAL		447		210	32	656	108		
TOTAL		1017		656	55	656	108	577	

NO. 81

56

EC — DK

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
EC	DK		12						
	PC	21							
	TH	221							
	TH MC	3							
	KK	38							
	PY	16							
	PL	22							
	LS	12							
	PN	23							
	SW	22							
	TH TOLL	31							
	KK OTD	4							
	TH	12							
TOTAL		425	12						

(58)

R B — DK

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
PP	[TH]							76	
	[TH] MC							2	
	[TH TOLL]							9	
	[KK]							8	
	[KK OTD]							2	
	PL							6	
	PN							7	
PD	KK	38							
	SR	108							
	BP	14							
	PW	40							
	SS	13							
	[KK]	17							
	PY			16					
	BS			14					
	IM			6					
	LP <sub>2</sub>	12							
	[PY]	32							
	PL			43					
	MM	16							
	ASD	6							
	SV			15					
	KT	18							
	[PL]	28							
	NW	7							
	DM	12							
	BK			6					
	[LS]	28							
	TH							32	
	BC							17	
	OK				48				
	[TH]							232	
	[TH] MC							5	
	[TH TOLL]							59	
	[KK OTD]							6	
	PN			6					
	CP			14					
	BN			6					
	KC							6	
	PS			18					
	SPK			12					
	HM	15							
	[PN]	50							
	SW							60	
	TC							17	
	[SW]							33	
RB	TH				23				
	DK				38				
	[TH]	225							
	[TH] MC	3							
	[TH TOLL]	31							
	[KK]			40					
	[KK OTD]			4					
	[PY]			17					
	[PL]			22					
	[LS]	15							
	PN			24					
	SW	25							
TOTAL				263	109			577	

NO. 03



60

PP — PD

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
PP	[TJ]							76	
	[TH MC]							2	
	[YH FOLL]							9	
PP	[KK]							8	
	[KK STD]							2	
	[PL]							6	
	[FN]							7	
TOTAL								110	



62

BC — TH

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
NK	[TH]							122	
	[TH] MC							3	
	[TH TOLL]							19	
	[KK]							17	
	[KK OTD]							3	
	[PY]							7	
	[PL]							10	
	[LS]							6	
	[PN]							11	
	[SW]							9	
MK	[TH]							124	
	[TH] MC							3	
	[TH TOLL]							19	
	[KK]	17							
	[PY]							9	
	[PL]							10	
	[LS]							6	
	[PN]							10	
	[SW]							9	
	[KK OTD]	3							
PC	EC	21							
	[TH]	267							
	TH					18			
	[KK]	47							
	[PY]	20							
	[PL]	26							
	[LS]	15							
	[PN]	28							
	[SW]	27							
	[TH TOLL]	35							
	[TH] MC	4							
	[KK OTD]	5							
BC	KK					30			
	SR					92			
	BP	16							
	PW					35			
	PY		12						
	BS		13						
	NW					7			
	BK					12			
	TH						56		
	PO					17			
	CN						20		
	DK						27		
	SW						54		
	TC		6						
	[KK]					14			
	[PY]					29			
	[PL]					32			
	[LS]					25			
	[TH]		302						
	[PN]					42			
	[SW]					23			
	[KK OTD]	6							
	[TH TOLL]		59						
	[TH] MC						5		
TOTAL		537	392			376	162	397	

NO. 87

63

PC — BC

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
NK	[TH]							122	
	[TH] MC							3	
	[TH TOLL]							19	
	[KK]							17	
	[KK OTD]							3	
	[PY]							7	
	[PL]							10	
	[LS]							6	
	[PN]							11	
	[SW]							9	
MK	[TH]							124	
	[TH] MC							3	
	[TH TOLL]							19	
	[KK]	17							
	[PY]							9	
	[PL]							10	
	[LS]							6	
	[PN]							10	
	[SW]							9	
	[KK OTD]	3							
PC	EC			21					
	BC				14				
	[TH]			267					
	[KK]			47					
	[PY]			20					
	[PL]			26					
	[LS]			15					
	[PN]			28					
	[SW]			27					
	[TH TOLL]			35					
	[TH] MC			4					
	[KK OTD]			5					
	TH				18				
TOTAL		20		495	32			397	



64

MK — PC

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
NK	[TH]							122	
	[TH] MC							3	
	[TH] TOLL							19	
	[KK]							17	
	[KK] OTD							3	
	[PY]							7	
	[PL]							10	
	[LS]							6	
	[PN]							11	
	[SW]							9	
MK	[TH]							124	
	[TH] MC							3	
	[TH] TOLL							19	
	[KK]	17							
	[PY]							9	
	[PL]							10	
	[LS]							6	
	[PN]							10	
	[SW]							9	
	[KK] OTD	3							
TOTAL		20						397	

NO. 89

(65)

MK — NK

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
NK	[TH]							122	
"	[TH] MC							3	
"	[TH TOLL]							19	
"	[KK]							17	
"	[KK OTD]							3	
"	[PY]							7	
"	[PL]							10	
"	[LS]							6	
"	[PN]							11	
"	[SW]							9	
TOTAL								207	

NO. 90

66

NK NEW NK

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
NK	[TH]							122	
	[TH] MC							3	
	[TH TOLL]							19	
	[KK]							17	
	[X X OTD]							3	
	[P Y]							7	
	[P L]							10	
	[L S]							6	
	[P N]							11	
	[S W]							9	
TOTAL								207	

NO 91

SECTION		CP		PN		PCM	REMARK
		0.9		0.65			
PAIRS		L	NL	L	NL	L	NL
KT	[PN]	42					
	[PN] MC	5					
	PN			8			
	BN	16					
	PS	17					
	SPK			6			
MM	[PN]	32					
	[PN] MC	5					
	PN					7	
	BN			14			
	PS	15					
	SPK	6					
SV	[PN]					38	
	PN						20
	[PN] MC					9	
	BN					17	
	PS	14					
ASD	[PN]			55			
	[PN] MC			9			
	PS			6			
CP	[PN]						538
	PN						62
	[PN] TOLL						118
	[PN] MC						10
	BN						84
	PS						34
	ON						12
SP	[PN]	35					
	[PN] MC	4					
TC	[PN]	65					
	[PN] MC	9					
TOTAL		265		98		67	678



69

HM — KC

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
HM	KC				44				
"	LPI			18					
"	LP2			29					
KC	[PN]	452							
"	[PN TOLL]	94							
"	[PN] MC	9							
"	BN	14							
"	PS	6							
"	[PL]	53							
"	PL			38					
"	SV	14							
"	ASD	13							
"	MM	6							
"	KY	13							
"	[KK]	56							
"	KK	34							
"	[KK QTO]	11							
"	PW	31							
"	SR	56							
"	SS	18							
"	BP	12							
"	[SW]	50							
"	SW	54							
CP	KC			74					
TOTAL		996		159	44				



71

ON — PN

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
LB	PN							113	
	PNTOLL							9	
	PN MC							2	
	PL							9	
	KK							12	
	KKOTD							2	
	SW							7	
	TH							7	
	PY							7	
	LS							6	
PV	PN							79	
	PNTOLL							9	
	PN MC							2	
	KK							6	
	KKOTD							2	
ON	PN	297							
	PNTOLL	35							
	PN MC	4							
	CP		12						
	PL	31							
	KK	39							
	KKOTD	5							
	SW	23							
	TH	21							
	PY	22							
	LS	18							
TOTAL		495	12					272	





73

LB — PV

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
LB	[PN]							113	
"	[PN TOLL]							9	
"	[PN MC]							2	
"	[PL]							9	
"	[KK]							12	
"	[KK-OTO]							2	
"	[SW]							7	
"	[TH]							7	
"	[PY]							7	
"	[LS]							6	
TOTAL								174	

(74)

P S — P N

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
BPO	[PN]							90	
"	[PN TOLL]							9	
"	[PN MC]							2	
"	[KK]							6	
"	[KK OTD]							2	
"	[PL]							6	
SPK	[PN]							297	
"	[PN TOLL]							35	
"	[PL]							33	
"	MM							6	
"	[KI]							6	
"	[KK]							49	
"	[KK OTD]							5	
"	[SW]							31	
"	SW							18	
"	[TH]							28	
"	PD							12	
"	[PY]							25	
"	[LS]							18	
"	TH							15	
TOTAL								695	

(75)

BN — PN

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
SPK	PL			12					
BPL	[PN]							77	
"	[PN TOLL]							9	
"	[PN MC]							2	
"	[KK OTD]							2	
PS	[PN]			215					
"	PN				13				
"	[PN TOLL]			45					
"	[PN MC]			4					
"	CP			34					
"	HM			13					
"	KC			6					
"	[PL]	26							
"	PL			30					
"	SV			14					
"	ASD	6							
"	MM	15							
"	KT	17							
"	[KK]	27							
"	KK			28					
"	[KK OTD]	5							
"	PW			31					
"	SR	52							
"	SS	6							
"	BP	6							
"	[SW]	45							
"	SW	27							
"	TC	6							
"	[YH]	37							
"	TH	21							
"	DK	6							
"	PD	18							
"	[PY]	30							
"	PY			12					
"	BS	6							
"	LP2	12							
"	[LS]	22							
"	R10	6							
BN	[PN]			581					
"	PN							18	
"	[PN TOLL]			94					
"	[PN MC]					9			
"	CP							84	
"	HM							16	
"	KC			14					
"	[PL]			52					
"	PL					32			
"	SV					17			
"	MM	14							
"	KY			16					
"	[KK]			49					
"	KK	26							
"	[KK OTD]	11							
"	PW	31							
"	SR			24					
"	SS	12							
"	[SW]	54							
"	SW	51							
SUB TOTAL		595		1271	13	58	118	90	
TOTAL									

NO. 100

75

BN — PN

SECTION	PAIRS	0.9		0.65		0.5		PCM	REMARK
		L	NL	L	NL	L	NL		
BN	TH			44					
	PO			6					
	PY			48					
	PY					14			
	BS			13					
	LP <sub>2</sub>	6							
	LS			37					
	BK					6			
	RID			7					
	TH	7							
SPK	PN MC			4					
SUB TOTAL		13		159	13	20			
TOTAL		608		1433	13	79	118	90	

NO. 101

76

PS — BN

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
SPK	[PN] MC	4							
"	BN				14				
"	PL	12							
PS	[PN]	215							
"	PN				13				
"	[PN TOLL]	45							
"	[PN] MC			4					
"	BN				45				
"	CP			34					
"	HM			13					
"	KC	6							
"	[PL]	26							
"	PL		30						
"	SV			14					
"	ASO	6							
"	MM	15							
"	KT	17							
"	[KK]	27							
"	KK			28					
"	[KK OTD]	5							
"	PW	31							
"	SR	52							
"	SS	6							
"	BP	6							
"	[SW]			45					
"	SW	27							
"	TC	6							
"	[TH]	37							
"	TH			21					
"	DK			6					
"	PD	18							
"	[PY]	30							
"	PY	12							
"	BS			6					
"	LP <sub>2</sub>	12							
"	[LS]	22							
"	RID			6					
TOTAL		637	30	177	72				



78

SPK — PS

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
8PO	[PN]							90	
✓	[PN TOLL]							9	
✓	[PN] MC							2	
✓	[KK]							8	
✓	[KK OTD]							2	
✓	[PL]							6	
SPK	[PN]							297	
✓	[PN TOLL]							35	
✓	[PN] MC	4							
✓	PS		18						
✓	BN		14						
✓	[PL]							33	
✓	PL	12							
✓	MM							6	
✓	KT							6	
✓	[KK]							49	
✓	[KK OTD]							5	
✓	[SW]							31	
✓	SW							18	
✓	[TH]							28	
✓	PD							12	
✓	[PY]							25	
✓	[LS]							18	
✓	TH							15	
TOTAL		16	32					695	

NO. 104





(31)

TK — TK.b — SW

SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
TK	YC					16			
	[SW]	244							
	SW						69		
	[KK]	32							
	[KK TOLL]	21							
	[KK OYD]	5							
	PW					12			
	[PY]	21							
	[PY TOLL]	24							
	[PL]	21							
	MM					13			
	KT		6						
	[LS]	18							
	[TH]	29							
	[PN]	30							
	[PN] MC	4							
	TH		16						
TOTAL		448	22			41	69		

82

TC — SW

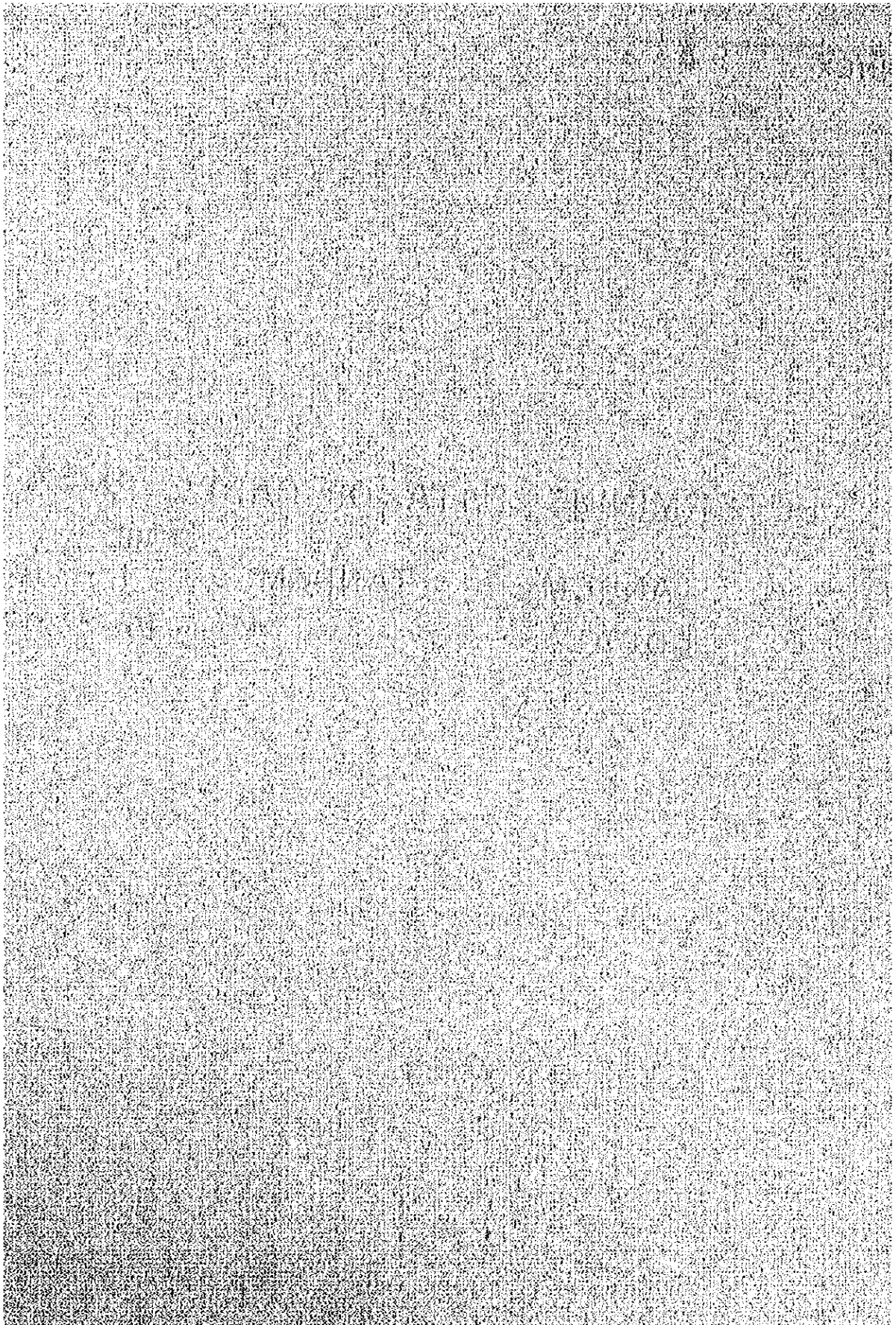
SECTION	PAIRS	0-9		0-65		0-5		PCM	REMARK
		L	NL	L	NL	L	NL		
TC	[SW]			(1483)		483			
"	SW						176		
"	TK					16			
"	[KK]					24			
"	[KK TOLL]					54			
"	[KK QTD]					11			
"	KK					54			
"	SR					112			
"	BP					12			
"	PW					59			
"	SS					6			
"	[PY]					46			
"	[PY TOLL]			(162)		62			
"	PY					12			
"	BS					12			
"	LP2					6			
"	[LS]					38			
"	R10					6			
"	[TH]					63			
"	TH					54			
"	PD					17			
"	BC					6			
"	DK					20			
"	[PL]					33			
"	PL					82			
"	PS					6			
"	HM					13			
TOTAL				(545)		1307	176		

NO. 107



DETERMINING DATA OF CABLE PAIRS

	PAGE
TANDEM — TANDEM .....	1 ~ 14
LOCAL .....	15 ~ 93



DETERMINING DATA OF CABLE PAIRS

SECTION P Y I KK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE							
	NL (PCM)	L	PCM (CH)	NL	L	PCM (SYS)	NL	L	PCM (SYS)	TOTAL	TOTAL	NL	L	TOTAL
NO. OF PLANNING	(76)	498	814 (37+1)	( )	289	( )	( )	289	( )	289	( )	100	140	240
MAINTENANCE	65			14								12		
LEASED & SPARE	131			28								24		
TOTAL	272	498	770	42	289			331		331		136	140	276
GENERAL	(122)	846	1384 (60+1)	( )	491	( )		491	( )	491		170	238	408
MAINTENANCE	111			25								20		
LEASED & SPARE	223			49								40		
TOTAL	456	846	1302	74	491			565		565		230	238	468
CABLES			400ASP 500P					900		900				1500ASP 1000P
PAIRS	200	800	1000	360	540			900		900		400	500	900
COILS			400P 400P					540P		540P				500P
CABLES														
PAIRS														
COILS														
CABLES			400ASP											
PAIRS	350	50	400											
COILS			50P											
ACCOMMODATION			770 1000		77.0 %			331 900		36.8 %		276 500		50.7 %
RATIO			1302 1400		93.0 %			565 900		62.8 %		468 500		52.0 %
REMARKS														

NO. 1

DETERMINING DATA OF CABLE PAIRS

SECTION PL I KK

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING													
CIRCUIT IN '84													
GENERAL MAINTENANCE	(52)	654	520	(25+1)	1174	34	297			331	377	602	979
LEASED & SPARE	59					17					49		
TOTAL	117					33					96		
NO. OF PLANNING													
CIRCUIT IN '94													
GENERAL MAINTENANCE	228	654			882	84	297			381	524	602	1126
LEASED & SPARE	(80)	1112	884	(39+1)	1996	58	505			563	641	1023	1664
TOTAL	100					28					83		
NO. OF PLANNING													
CIRCUIT IN '94													
LEASED & SPARE	200					56					166		
TOTAL	380	1112			1492	142	505			647	890	1023	1913
EXISTING													
CABLES					600ASP					900ASP			1800ASP
PAIRS	58	542			600	900	900			1800	2000	1600	3600
COILS					600P					900P			1600P
INCREASING													
UNTIL '84					600ASP								
UNTIL '94					600								
INCREASING													
UNTIL '94					150P								
UNTIL '94					300ASP								
UNTIL '94					300								
UNTIL '94					150P								
UNTIL '94					300P								
ACCOMMODATION					882					361			1126
RATIO					1200					1800			3600
AT '84					73.5 %					21.2 %			31.3 %
AT '94					99.5 %					36.0 %			53.1 %
REMARKS													



DETERMINING DATA OF CABLE PAIRS

SECTION SW III KK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING									
MAINTENANCE	13			35	649		288	180	
LEASED & SPARE	25	250		50	469		23		
TOTAL	38	250		100	1150		47		
GENERAL				50	649		358	180	538
MAINTENANCE	21			143	612		490	306	796
LEASED & SPARE	42	425		107	1703		40		
TOTAL	63	425		250	288		80		
CABLES				85					
PAIRS	0	200(230)		170					
COILS				90					
EXISTING				852	1103		1955	306	916
INCREASING UNTIL '84				242	797		610	306	916
INCREASING UNTIL '94				300/400ASP			900ASP		
ACCOMMODATION AT '84				300			1200ASP		
RATIO AT '84				300	870		2100		
INCREASING UNTIL '94				290P			400P		
ACCOMMODATION AT '94							500P		
RATIO AT '94				288			1150		
				290			2100		
				488			1955		
				590			2100		
REMARKS	THESE CIRCUITS ARE ACCOMMODATED TO EXISTING 0.65mm CABLE								

DETERMINING DATA OF CABLE PAIRS

SECTION TH (IV) KK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING	( )	268	( )	262 (26)	522	264 (12+1)			
MAINTENANCE	13			52					
LEASED & SPARE	27			105					
TOTAL	40	268		445	522				967
GENERAL	( )	456	( )	445 (40)	887	449 (19+1)			1781
MAINTENANCE	23			89					
LEASED & SPARE	45			178					
TOTAL	69	456		752	887				1639
CABLES			400/100ASP 600ASP						100ASP 100ASP
PAIRS		700		957	1143				2100
COILS			100P 600P						1200P
INCREASING UNTIL '84									
INCREASING UNTIL '94									
ACCOMMODATION AT '84			308 700						967 2200
RATIO AT '94			525 700						1639 2200
REMARKS									

DETERMINING DATA OF CABLE PAIRS

SECTION PY    SW   

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(178)	1003	1981	(87+2)	2984	150	( )	695	( )	845		
	MAINTENANCE LEASED & SPARE	149				42							
	TOTAL	625	1003			1628	277	695			972		
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(296)	1705	3368	(146+2)	5073	255	( )	1182	( )	1437		
	MAINTENANCE LEASED & SPARE	254				72							
	TOTAL	1057	1705			2762	471	1182			1653		
EXISTING	CABLES												
	PAIRS	300	300			600ASP							1200ASP
	COILS						300	300	900				1200
INCREASING UNTIL '84	CABLES												
	PAIRS	450	750			1200							
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS	300	700			1000	300	300	300				600ASP
	COILS												600
ACCOMMODATION RATIO	AT '84					1628	1800	90.4 %			972	1200	81.0 %
	AT '94					2762	2800	98.6 %			1653	1800	91.8 %
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PY VI PL

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING CIRCUIT IN '84	(46)	616	521 (22+1)	140	740	( )	108	250	880
MAINTENANCE LEASED & SPARE	57			44			18		522
TOTAL	217	616		272	740		36		1012
NO. OF PLANNING CIRCUIT IN '94	(76)	1047	686 (37+1)	110	490	( )	152	250	600
MAINTENANCE LEASED & SPARE	97			238	1258	( )	184	425	1456
TOTAL	366	1047	1413	448	833		30		887
EXISTING			600ASP						1721
INCREASING UNTIL '84	275	325	600	1100	1300		275	425	2400
INCREASING UNTIL '94	300	300	125P 200P						700P 600P
INCREASING UNTIL '94	300	300	600ASP						
ACCOMMODATION RATIO			833 1200						1012 2400
			69.4 %						42.2 %
			1413 1500						1721 2400
			94.2 %						71.7 %
REMARKS	THOSE CIRCUITS ARE ACCOMMODATED TO EXISTING 0.65mm CABLE.								

DETERMINING DATA OF CABLE PAIRS

SECTION PY VI - I ASD

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(120)	225	(291)	(59+)	( )							
	MAINTENANCE	76	135	1291	(59+)	( )							
	LEASED & SPARE	152			(59+)								
TOTAL	348	225			573					469			
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(192)	383	(2195)	(95+)	( )							
	MAINTENANCE	121	230	(2195)	(95+)	( )							
	LEASED & SPARE	258											
TOTAL	579	383			962					2578			
EXISTING					600P.F.P								
PAIRS	400	200			600								
COILS					200P								
INCREASING UNTIL '84													
PAIRS		100											
COILS					100P								
INCREASING UNTIL '94													
PAIRS	300	100			400ASP								
COILS					400								
ACCOMMODATION													
RATIO	AT '84				573					95.5 %			%
AT '94					962					96.2 %			%
REMARKS	UPPER FIGURE INCLUDES NUMBER OF CIRCUITS IN (29) SECTION												

DETERMINING DATA OF CABLE PAIRS

SECTION ASD VI - 2 CP

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(120)	257	129	( )	( )	( )	( )	( )	548	( )	( )	( )
	MAINTENANCE	77	135	(59+)	( )	( )	( )	( )	( )	228	( )	( )	( )
LEASED & SPARE	GENERAL	155											
	MAINTENANCE	143											
TOTAL	352	257								609			
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(192)	437	2195 (95+)	( )	( )	( )	( )	( )	2632	( )	( )	( )
	MAINTENANCE	132	230	2195 (95+)	( )	( )	( )	( )	( )	2425	( )	( )	( )
LEASED & SPARE	263												
TOTAL	587	437								1024			
CABLES	556	230								786			
EXISTING										600			
PAIRS	400	200								600			
COILS										200P			
INCREASING UNTIL '84													
PAIRS		100											
COILS										100P			
INCREASING UNTIL '94													
PAIRS	450	150								600ASP			
COILS										600			
ACCOMMODATION RATIO										150P			
AT '84										609 600	101 %		%
AT '94										1024 1200	85.3 %		%
REMARKS	* USE OF ASD/PN 600 PEF-P CABLE WHICH IS CUT AND TERMINATED TO CP EX. * UPPER FIGURE INCLUDES NUMBER OF CIRCUITS IN SECTION.												

DETERMINING DATA OF CABLE PAIRS

SECTION CP VI -3 PN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING													
CIRCUIT IN '84													
GENERAL	(20)	135	1291	(59+1)	1426	( )							
MAINTENANCE	7												
LEASED & SPARE	143												
TOTAL	334	135			469								
GENERAL	(192)	229	2195	(95+1)	2424	( )							
NO. OF PLANNING													
CIRCUIT IN '94													
MAINTENANCE	121												
LEASED & SPARE	243												
TOTAL	556	229			785								
EXISTING													
CABLES					600EFP								
PAIRS	400	200			600								
COILS					200P								
INCREASING													
UNTIL '84													
CABLES													
PAIRS	250	50			300ASP								
COILS					50P								
ACCOMMODATION													
AT '84					469					78.3 %			
					600								
RATIO													
AT '94					792+102					99.3 %			
					300								
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PY VI LS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(558)	154	3954	(176+3)	±108	( )	( )	( )	( )	( )	( )	( )	( )
TOTAL	974	154			1128								
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(390)	262	6722	(192+3)	6984	( )	( )	( )	( )	( )	( )	( )	( )
TOTAL	1437	262			1699								
EXISTING					300 ASP 500X2 PEF								
INCREASING UNTIL '84					1500 2000 2800 3000								
INCREASING UNTIL '94					300 PEF-P 300								
ACCOMMODATION AT '84					1128					75.2 %			%
RATIO AT '94					1500					94.4 %			%
REMARKS													



DETERMINING DATA OF CABLE PAIRS

SECTION SW PL

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE					
	NL (PCM)	L	PCM (CH)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	110	783	1425	(64+1)	2208	( )	590	( )	590	1050	225	1285
CIRCUIT IN '84	221					30				64		
TOTAL	461	783		1244		89	590		679	1255	225	1478
NO. OF PLANNING MAINTENANCE LEASED & SPARE	188	1331	2423	(106+2)	3754	( )	1003	( )	1003	1802	383	2185
CIRCUIT IN '94	375					50				109		
TOTAL	779	1331		2110		150	1003		1153	2150	383	2513
EXISTING	100	950		600EF 450ASP					1200ASP 1200ASP			1800ASP 1800ASP
INCREASING UNTIL '84												
INCREASING UNTIL '94	700	500										
ACCOMMODATION AT '84				1244-213	98.2%				679+213		1478	41.1%
RATIO AT '94				2110	93.8%				2400		3600	
REMARKS	SPARE AND LEASED PAIRS FOR PCM CHANNEL REQUIREMENTS ARE ASSIGNED TO 0.65mm CABLE. THE MINUS SIGN SHOWS DELOADED CIRCUIT											

DETERMINING DATA OF CABLE PAIRS

SECTION PL (X) - 1 CP

ITEM	0.9 mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84													
GENERAL	(158)	1038	640	{77+2}	2578	36	610	( )	( )	646			
MAINTENANCE	134					32							
LEASED & SPARE	268					65							
TOTAL	560	1038		1598	1483	133	610			743			
NO. OF PLANNING CIRCUIT IN '94													
GENERAL	(250)	1765	2788	{123+2}	4553	61	1037	( )	( )	1098			
MAINTENANCE	219					55							
LEASED & SPARE	438					110							
TOTAL	933	1765		2698	2502	226	1037			1263			
EXISTING													
CABLES				600ASP	600ASP					1200ASP			
PAIRS	610	1190		1800	1800	800	400			1200			
COILS				300P	300P					400			
INCREASING UNTIL '84													
CABLES													
PAIRS							300						
COILS										300P			
INCREASING UNTIL '94													
CABLES													
PAIRS	300	600		900	900		350						
COILS										350P			
ACCOMMODATION RATIO													
AT '84				1598	88.8%					743			%
AT '94				1800	99.9%					1200			%
REMARKS	UPPER FIGURE INCLUDES NUMBER OF CIRCUITS IN (28) SECTION												

DETERMINING DATA OF CABLE PAIRS

SECTION CP X -2 PN

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	GENERAL (158)	938	1640	(77+2)	2578	36	610			646			
	MAINTENANCE	129				32							
	LEASED & SPARE	258				65							
	TOTAL	545	938		1483	133	610			743			
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	GENERAL (350)	1595	2788	(123+2)	4383	61	1037			1098			
	MAINTENANCE	219				55							
	LEASED & SPARE	438				110							
	TOTAL	907	1595		2502	226	1037			1263			
EXISTING	CABLES				500PEF 600PEF					1200ASP			
	PAIRS	510	690		1200	800	400			1200			
	COILS				500P 200P					400P			
INCREASING UNTIL '84	CABLES				600ASP								
	PAIRS	300	300		600		300						
	COILS				300P					300P			
INCREASING UNTIL '94	CABLES				600ASP								
	PAIRS		600		600		350						
	COILS				600P					350P			
ACCOMMODATION AT '84				1483	1500				743	1200			
RATIO AT '94				2502-102	100 %				1263	1052%			
				2400					1200				
REMARKS	102 PAIRS REQUIRED IN 1994 ARE ASSIGNED TO CABLE ON (VI)-3 ROUTE.												

DETERMINING DATA OF CABLE PAIRS

SECTION TH 20 SW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(228)	716	2 521	(112+2)	3 237	45	906			906	164	692	856
CIRCUIT IN '84	162					91					43		
TOTAL	714	716			1 430	136	906			1 042	293	692	985
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(380)	1 217	4 286	(187+3)	5 503	77	1 540			1 540	279	1 176	1 455
CIRCUIT IN '84	275					154					73		
TOTAL	1 205	1 217			2 422	231	1 540			1 771	498	1 176	1 674
EXISTING					600PF					1 200ASP			1 800ASP
PAIRS	100	500			500	200	1 000			1 200	900	900	1 800
COILS					500P					1 000P			900P
INCREASING UNTIL '84					600PF								
PAIRS	350	250			600								
COILS					250P								
INCREASING UNTIL '94					600PF 600ASP					600ASP			
PAIRS	700	500			1 200		600			600		300	300P
COILS					500P					600P			
ACCOMMODATION AT '84					1 430+230					1 042+150			985+80
RATIO					1 200					1 200			1 800
AT '94					2 422+22					1 771+22			1 674
					2 400					1 800			1 800
REMARKS	SPARE AND LEASED PAIRS FOR PCM CHANNEL REQUIREMENTS ARE ASSIGNED TO 0.65mm AND 0.5mm CABLES.												

DETERMINING DATA OF CABLE PAIRS

SECTION PW (1) KK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	1754	72	1826
TOTAL											2028	72	2100
NO. OF PLANNING MAINTENANCE LEASED & SPARE	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	2982	122	3104
TOTAL											3447	122	3569
EXISTING											2200	500	2700
INCREASING UNTIL '84													
INCREASING UNTIL '94													
ACCOMMODATION AT '84												2100	77.8%
RATIO AT '94												3569	99.1%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION SR 2 KK

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING	( )					( )					2452	56	2508
CIRCUIT IN '84											125		
GENERAL											251		
MAINTENANCE													
LEASED & SPARE													
TOTAL											2028	56	2084
NO. OF PLANNING	( )					( )					4168	95	4263
CIRCUIT IN '94											213		
GENERAL											426		
MAINTENANCE													
LEASED & SPARE													
TOTAL											4807	95	4902
CABLES													1800ASP
PAIRS											2700		900ASP
COILS													2700
CABLES													1200ASP
PAIRS											1100	100	1200
COILS													100P
CABLES													1200ASP
PAIRS											1200		1200ASP
COILS													1200
ACCOMMODATION													2884 73.9%
RATIO													3900
													4902 96.1%
													5100
REMARKS													

NO. 15

DETERMINING DATA OF CABLE PAIRS

SECTION KK-3-SS

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	5	109			109	616	666			1282	515	257	772
CIRCUIT IN '84	11					128					39		
TOTAL	16	109			125	806	666			1474	631	257	888
NO. OF PLANNING MAINTENANCE LEASED & SPARE	9					109					66		
CIRCUIT IN '94	19					216					131		
TOTAL	28	185			213	1374	1132			2506	1073	437	1510
EXISTING					600ASP					600ASP			900ASP
INCREASING UNTIL '84					600	1400	400			1800	300	600	900
INCREASING UNTIL '94					600P					400P			600P
ACCOMMODATION AT '84					125+270 600					1474-270 1800			886 900
RATIO AT '94					213 600					2506 2700			1510 1500
REMARKS	270 PAIRS ARE ACCOMMODATED TO EXISTING 0.9mm CABLE. 340 NL PAIRS ARE ACCOMMODATED TO EXISTING LOADING PAIRS.												

NO. 17

DETERMINING DATA OF CABLE PAIRS

SECTION SS 4 BP

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )		( )	183	445	( )	544		( )
TOTAL				277	445		625		628
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )		( )	311	757	( )	925		( )
TOTAL				471	757		1064		1228
EXISTING				350	750		1500		1500ASP
INCREASING UNTIL '84									750P
INCREASING UNTIL '94									200ASP
ACCOMMODATION AT '84									722 65.6 %
RATIO AT '94									1100 41.7 %
REMARKS									1228 94.5 %
									1300 70.9 %



DETERMINING DATA OF CABLE PAIRS

SECTION PY 6 PW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	156	271	427
	MAINTENANCE LEASED & SPARE										21		
	TOTAL										220	271	491
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	265	461	726
	MAINTENANCE LEASED & SPARE										36		
	TOTAL										374	461	835
EXISTING	CABLES												900ASP
	PAIRS										600	300	900
	COILS												300P
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES											200	
	PAIRS												
	COILS												200P
ACCOMMODATION	AT '84												491 900 54.6%
RATIO	AT '94												835 900 92.0%
REMARKS													

NO.19

DETERMINING DATA OF CABLE PAIRS

SECTION TH 7 SR

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )		( )		( )		( )			628	140	768
	MAINTENANCE LEASED & SPARE										38		
	TOTAL										743	140	883
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )		( )		( )		( )			1068	238	1306
	MAINTENANCE LEASED & SPARE										65		
	TOTAL										131		
EXISTING	CABLES										1264	238	1502
	PAIRS										1500		1500ASP
	COILS												1500P
INCREASING UNTIL '84	CABLES												
	PAIRS											200	
	COILS												200P
INCREASING UNTIL '94	CABLES												
	PAIRS											50	
	COILS												50P
ACCOMMODATION RATIO	AT '84				%							883	58.9 %
	AT '94				%							1502	100.1 %
REMARKS													

NO. 20

DETERMINING DATA OF CABLE PAIRS

SECTION SW — 8 — SR

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	( )		( )	( )	( )	( )		( )	( )	( )	720	220	940
GENERAL											47		
MAINTENANCE LEASED & SPARE											94		
TOTAL											861	220	1081
NO. OF PLANNING CIRCUIT IN '94	( )		( )	( )	( )	( )		( )	( )	( )	1224	374	1598
GENERAL											80		
MAINTENANCE LEASED & SPARE											160		
TOTAL											1464	374	1838
EXISTING													1500ASP
PAIRS													1200
COILS													300P
INCREASING UNTIL '84													
COILS													
INCREASING UNTIL '94													
COILS													
ACCOMMODATION RATIO													
AT '84													1081 / 1500 = 72.1 %
AT '94													1838 / 2100 = 87.5 %
REMARKS													

NO. 21

DETERMINING DATA OF CABLE PAIRS

SECTION SW 9 PW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )		( )		( )		( )			499		499
	MAINTENANCE LEASED & SPARE										25		
	TOTAL										50		
											574		574
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )		( )		( )		( )			848		848
	MAINTENANCE LEASED & SPARE										42		
	TOTAL										85		
											975		975
EXISTING	CABLES												1200ASP
	PAIRS												1200
	COILS												
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION RATIO	AT '84				%							574 1200	47.8%
	AT '94				%							975 1200	81.3%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PL 10 PW

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	944	68	1012
	MAINTENANCE										51		
	LEASED & SPARE										101		
	TOTAL										1096	68	1164
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	1605	116	1721
	MAINTENANCE										86		
	LEASED & SPARE										172		
	TOTAL										1863	116	1979
EXISTING	CABLES												1200ASP
	PAIRS										1000	200	1200
	COILS												200P
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												900ASP
	PAIRS										900		900
	COILS												
ACCOMMODATION AT '84													1154 97.0%
RATIO													1200 94.2%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PL (11) SR

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )		( )		208	644		( )	852	396	244	640
	MAINTENANCE LEASED & SPARE					43					32		
	TOTAL					336	644			980	492	244	736
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )		( )		354	1095		( )	1449	673	415	1088
	MAINTENANCE LEASED & SPARE					72					54		
	TOTAL					426	1095			1666	836	415	1251
EXISTING	CABLES									1200ASP			1200ASP
	PAIRS					400	800			1200	200	1000	1200
	COILS									800P			1000P
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES									600ASP			
	PAIRS					300	300			600			
	COILS									300P			
ACCOMMODATION	AT '84								980	81.7 %		736	61.3 %
RATIO	AT '94								1200			1251	
REMARKS	300NL PAIRS ARE ACCOMMODATED TO EXISTING LOADING PAIRS. 51 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 065mm CABLE.												

DETERMINING DATA OF CABLE PAIRS

SECTION PY 12 SR

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )	( )	( )	( )	( )	532	( )	( )	532	248	64	312
	MAINTENANCE LEASED & SPARE					26					16		
	TOTAL					53	532			532	264	64	312
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	( )	( )	( )	( )	904	( )	( )	904	422	109	531
	MAINTENANCE LEASED & SPARE					45					27		
	TOTAL					90	904			904	449	109	531
EXISTING	CABLES					135	904			1039	502	109	611
	PAIRS										20	580	600
	COILS												600P
INCREASING UNTIL '84	CABLES									1200 ASP			
	PAIRS					600	600			1200			
	COILS									600 P			
INCREASING UNTIL '94	CABLES												
	PAIRS						350			350 P			
	COILS												
ACCOMMODATION RATIO	AT '84								611	50.9 %	359	59.8 %	
	AT '94								1039+11	87.5 %	611-11	100.0 %	
REMARKS	248 NL PAIRS ARE ACCOMMODATED TO EXISTING LOADING PAIRS. 11 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.65mm CABLE.												

DETERMINING DATA OF CABLE PAIRS

SECTION C N — (14) — BP

I-T-E-M	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )			87 ( )	132	( )			209
TOTAL				10					240
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )			148 ( )	207	( )			355
TOTAL				18					409
EXISTING				36					300ASP
INCREASING UNTIL '84				202	207				300
INCREASING UNTIL '94				200	100				100P
ACCOMMODATION AT '84									50P
RATIO AT '84				100	100				200ASP
									200
									100P
									240
									300
									409
									500
REMARKS									



DETERMINING DATA OF CABLE PAIRS

SECTION PY 1516 SS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	149			303								
	MAINTENANCE	15											
	LEASED & SPARE	30											
	TOTAL	199	149		348								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	262	253		515								
	MAINTENANCE	25											
	LEASED & SPARE	51											
	TOTAL	338	253		591								
EXISTING	CABLES				550ASP (\$50-\$50)								
	PAIRS	250	300		550								
	COILS				300P								
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION RATIO	AT '84			348	63.3 %								%
	AT '94			591	107.4 %								%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION BS (15) (17) SS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	117 ( )	249	( )	( )	366	( )	( )	( )	( )				
TOTAL	172	249			421								
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	199 ( )	423	( )	( )	622	( )	( )	( )	( )				
TOTAL	292	423			715								
EXISTING					600ASP								
PAIRS	300	300			600								
COILS					300P								
INCREASING UNTIL '84													
INCREASING UNTIL '94													
COILS					200ASP								
PAIRS	50	150			200								
COILS					150P								
ACCOMMODATION AT '84				421	70.0 %								
				600									
RATIO AT '94				715	89.4 %								
				800									
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PY (16) SS.b

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL ( ) 26	525	( )	( )	525	( )	564	( )	( )	664	( )		
	MAINTENANCE LEASED & SPARE	53				33							
	TOTAL	79	525		604	99	664			763			
NO. OF PLANNING CIRCUIT IN '94	GENERAL ( ) 45	893	( )	( )	893	( )	1129	( )	( )	1129	( )		
	MAINTENANCE LEASED & SPARE	89				56							
	TOTAL	134	893		1027	169	1129			1298			
EXISTING	CABLES				600ASP					100/550			
	PAIRS	75	525		600		1000			1000			
	COILS				525					1000P			
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES				300ASP 600ASP								
	PAIRS	400	500		900								
	COILS				500P								
ACCOMMODATION RATIO	AT '84			604 600	100.6 %					763 1000			76.3 %
	AT '94			1027+298 1200	88.3 %					1298-298 1000			100.0 %
REMARKS	298 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.9mm CABLE												

NO. 29

DETERMINING DATA OF CABLE PAIRS

SECTION SS. b (17) BS

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE					
	NL (PCM)	L	PCM (CH)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	( )	1189	( )	1189	( )	( )	( )	( )				
GENERAL MAINTENANCE LEASED & SPARE	59											
TOTAL	178	1189		1367								
NO. OF PLANNING CIRCUIT IN '94	( )	2021	( )	2021	( )	( )	( )	( )				
GENERAL MAINTENANCE LEASED & SPARE	101											
TOTAL	303	2021		2324								
EXISTING				3300 3300 6600								
INCREASING UNTIL '94				1600								
INCREASING UNTIL '94				1000P 525P								
ACCOMMODATION RATIO				1367 1600					85.4 %			%
				2324 2500					93.0 %			%
REMARKS												

DETERMINING DATA OF CABLE PAIRS

SECTION BS 18 - NN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	101	557	( )	( )	658	( )	( )	( )	( )				
CIRCUIT IN '84	33												
TOTAL	200	557			757								
NO. OF PLANNING MAINTENANCE LEASED & SPARE	172	947	( )	( )	1119	( )	( )	( )	( )				
CIRCUIT IN '94	56												
TOTAL	340	947			1287								
EXISTING					300ASP 600ASP								
INCREASING UNTIL '84	200	400			900								
	10	290			290								
INCREASING UNTIL '94					400ASP								
	100	300			400								
ACCOMMODATION RATIO					757 900					84.1 %			%
					1287 1300					99.0 %			%
REMARKS													

NO. 31

DETERMINING DATA OF CABLE PAIRS

SECTION LPI 19 20 PY

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(40)	555	412	(19+1)	567	64	( )	( )	1242			
	MAINTENANCE	48				62							
	LEASED & SPARE	97				124							
	TOTAL	185	555			740	250			1428			
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(62)	944	700	(30+1)	1644	109	( )	( )	2112			
	MAINTENANCE	82				106							
	LEASED & SPARE	164				211							
	TOTAL	308	944			1252	426			2429			
EXISTING	CABLES												
	PAIRS	75	225			300	900			1200ASP 1200ASP			
	COILS					300P				2400 1000P			
INCREASING UNTIL '84	CABLES												
	PAIRS	250	350			600							
	COILS					350P							
INCREASING UNTIL '94	CABLES												
	PAIRS		400			400					500		
	COILS					400P						500P	
ACCOMMODATION RATIO	AT '84				$\frac{740}{900}$					$\frac{1428}{2400}$			59.5 %
	AT '94				$\frac{1252+29}{1300}$					$\frac{2429-29}{2400}$			100.0 %
REMARKS	29 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.9mm CABLE												

DETERMINING DATA OF CABLE PAIRS

SECTION PY 19(23)38 NW

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING CIRCUIT IN '84	( )	528	( )	( )	( )	( )	( )	( )	( )
GENERAL MAINTENANCE	26								
LEASED & SPARE	53								
TOTAL	79	528			607				
NO. OF PLANNING CIRCUIT IN '94	( )	898	( )	( )	( )	( )	( )	( )	( )
GENERAL MAINTENANCE	45								
LEASED & SPARE	90								
TOTAL	135	898			1033				
CABLES									
PAIRS	200	400			600				
COILS					400P				
INCREASING UNTIL '84	50	550			600				
UNTIL '94	250	350			600ASP				
COILS					550P				
ACCOMMODATION RATIO									
AT '84					607 / 600 = 100.0 %				
AT '94					1033 / 1200 = 86.1 %				
REMARKS									

NO. 33

DETERMINING DATA OF CABLE PAIRS

SECTION PY (19) (23) (39) BK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING CIRCUIT IN '84	( )	373	( )	82 ( )	592	( )	( )	674	( )
GENERAL									
MAINTENANCE	19			34					
LEASED & SPARE	37			67					
TOTAL	56	373	429	183	592	775			
NO. OF PLANNING CIRCUIT IN '94	( )	634	( )	139 ( )	1006	( )		1145	
GENERAL									
MAINTENANCE	32			57					
LEASED & SPARE	63			115					
TOTAL	95	634	729	311	1006	1317			
CABLES			600ASP						1200ASP
PAIRS		600	600						1200
COILS			600P						700P
INCREASING UNTIL '84							500	700	
INCREASING UNTIL '94	200	100	300		300				300P
COILS			100P						
ACCOMMODATION RATIO	AT '84		429 600	71.5 %		775 1200	64.6 %		
AT '94			729+117 900	94.0 %		1317-117 1200	100.0 %		
REMARKS	117 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.9mm CABLE.								



DETERMINING DATA OF CABLE PAIRS

SECTION LPI 20(23)39 BK

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( ) 185		( ) 185		( )		( )					
	MAINTENANCE	9											
	LEASED & SPARE	19											
	TOTAL	28	185		213								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( ) 315		( ) 315		( )		( )					
	MAINTENANCE	16											
	LEASED & SPARE	32											
	TOTAL	48	315		363								
EXISTING	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '84	CABLES									400ASP			
	PAIRS	200	200		400					400			
	COILS									200P			
INCREASING UNTIL '94	CABLES												
	PAIRS		150										
	COILS									150P			
ACCOMMODATION RATIO	AT '84			$\frac{213}{400}$	53.3 %								%
	AT '94			$\frac{363}{400}$	90.8 %								%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION LPI (21) LP2

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING									
CIRCUIT IN '84	GENERAL	110 (40)	933	412	(19+1)	1455			
	MAINTENANCE	73							
	LEASED & SPARE	146							
	TOTAL	369	933			1302			
NO. OF PLANNING	GENERAL	187 (62)	1586	700	(30+1)	2473			
CIRCUIT IN '94	MAINTENANCE	124							
	LEASED & SPARE	247							
	TOTAL	620	1586			2206			
EXISTING	CABLES					300ASP 600ASP			
	PAIRS	163	737			900 300P 500P			
	COILS								
INCREASING	CABLES					600ASP			
UNTIL '84	PAIRS	400	200			600			
	COILS					200P			
INCREASING	CABLES					600ASP			
UNTIL '94	PAIRS		600			600			
	COILS					600P			
ACCOMMODATION	AT '84					1302 1500			86.8 %
RATIO	AT '94					2206 2100			105.0 %
REMARKS									

DETERMINING DATA OF CABLE PAIRS

SECTION IM 22 PY

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )		( )	459	37	273	( )	( )	732	247		247
	MAINTENANCE LEASED & SPARE										12		
	TOTAL				569	73	273			842	284		284
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )		( )	780	62	465	( )	( )	1245	420		420
	MAINTENANCE LEASED & SPARE										21		
	TOTAL				967	125	465			1432	483		483
EXISTING	CABLES									900 ASP			1800 ASP
	PAIRS						300			900	1800		1800
	COILS									300 P			
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES									600 ASP			
	PAIRS									600			
	COILS						200			200 P			
ACCOMMODATION RATIO	AT '84									842 / 900 = 93.6%		284 / 1800 = 15.8%	
	AT '94									1432 / 1500 = 95.5%		483 / 1800 = 26.8%	
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION NW (25) NN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL 127	( )	187	( )	314	( )	( )	( )	( )				
	MAINTENANCE 16												
	LEASED & SPARE 31												
	TOTAL 174		187		361								
NO. OF PLANNING CIRCUIT IN '94	GENERAL 216	( )	318	( )	534	( )	( )	( )	( )				
	MAINTENANCE 27												
	LEASED & SPARE 53												
	TOTAL 296		318		614								
EXISTING	CABLES				300 ASP 300 ASP								
	PAIRS	10 200	290 400		900								
	COILS				290 400 P								
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION AT '84					361 900					40.1 %			%
RATIO AT '94					614 900					68.4 %			%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION KC 25 LP2

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(40)	108	412	(19+1)	520	( )	( )	( )	( )	( )	( )	( )
	MAINTENANCE LEASED & SPARE	26											
	TOTAL	118	108			226							
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(62)	184	700	(30+1)	884	( )	( )	( )	( )	( )	( )	( )
	MAINTENANCE LEASED & SPARE	44											
	TOTAL	194	184			378							
EXISTING	CABLES									300ASP			
	PAIRS	77	223			300							
	COILS					300P							
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES									100ASP			
	PAIRS	100				100							
	COILS												
ACCOMMODATION RATIO	AT '84					226				75.3 %			%
	AT '94					378				94.5 %			%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION ASD 26 PY

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )	90	( )	( )	90	217( )	232	( )	( )	449			
	5					22							
	3					45							
TOTAL	14	90			104	284	232			516			
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )	153	( )	( )	153	369( )	394	( )	( )	763			
	8					38							
	15					76							
TOTAL	23	153			176	483	394			877			
EXISTING										1 290 ASP			
INCREASING UNTIL '84										1 200			
INCREASING UNTIL '94										300 P			
ACCOMMODATION AT '84													100 P
RATIO AT '84										516			45.0 %
										1 200			
RATIO AT '94										877			73.1 %
										1 200			
REMARKS	PAIRS REQUIRED IN 1984 AND 1994 ARE ADDED UP IN CABLE ON <u>00</u> - 1 ROUTE												

DETERMINING DATA OF CABLE PAIRS

SECTION ASD 27 PL

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	277	1,124	1,401
	MAINTENANCE										70		
	LEASED & SPARE										140		
	TOTAL										487	1,124	1,611
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	471	1,911	2,382
	MAINTENANCE										119		
	LEASED & SPARE										238		
	TOTAL										828	1,911	2,739
EXISTING	CABLES												1,800 ASP
	PAIRS												1,800 ASP
	COILS										1,800	1,800	3,600 P
INCREASING UNTIL '84	CABLES												1,200 P
	PAIRS												600 P
	COILS												
INCREASING UNTIL '94	CABLES												200 P
	PAIRS												
	COILS												
ACCOMMODATION AT '84													1,611
RATIO AT '94													3,600
													2,739
													3,600
													44.8%
													76.1%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PL 29 35 MM

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	13 ( )	522	( )	( )	535	315 ( )	744	( )	( )	1,059			
TOTAL	94	522			616	474	744			1,218			
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	22 ( )	887	( )	( )	909	536 ( )	1,265	( )	( )	1,801			
TOTAL	45	887			1,045	90	1,265			2,071			
EXISTING	158	887			600ASP	806	1,265			600 ASP 500 ASP			
INCREASING UNTIL '84	50	550			600	420	1,080			1,500 430 P 650 P			
INCREASING UNTIL '94	250	350			600	400	200			600 ASP 600 200 P			
ACCOMMODATION AT '84				616	102.7 %				1,218	81.2 %			
RATIO AT '94				1,045	87.1 %				2,071	98.6 %			
REMARKS													



DETERMINING DATA OF CABLE PAIRS

SECTION MM 29 37 SV

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	NL	L	PCM (SYS)	NL	L	PCM (SYS)	TOTAL	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	10	20		16			41	275		316	
TOTAL	30	199		89	275					364	
NO. OF PLANNING MAINTENANCE LEASED & SPARE	17	34		27			70	468		538	
TOTAL	51	338		151	468					619	
CABLES										37	900 ASP
PAIRS		300			900					900	
COILS										900 P	
CABLES										25	600 ASP
PAIRS					600					600	
COILS										600 P	
CABLES											
PAIRS	100	100									
COILS											
ACCOMMODATION										364	60.7 %
RATIO										619-19	100.0 %
REMARKS	41 NL PAIRS ARE ACCOMMODATED TO LOADED PAIRS. 19 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.9mm CABLE.										

DATA OF CABLE PAIRS

SECTION MM 30 KT

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	51 ( )	264	( )	315	512 ( )	520	( )	( )	1032			
	MAINTENANCE	16				52							
	LEASED & SPARE	32				103							
TOTAL	99	264			363	667	520			1167			
NO. OF PLANNING CIRCUIT IN '94	GENERAL	87 ( )	449	( )	536	870 ( )	884	( )	( )	1754			
	MAINTENANCE	27				88							
	LEASED & SPARE	54				175							
TOTAL	168	449			617	1133	884			2017			
EXISTING													
INCREASING UNTIL '84	CABLES												
	PAIRS	300	300		600 ASP	650	550			1200 ASP			
	COILS				300 P					550 P			
INCREASING UNTIL '94	CABLES												
	PAIRS		150			550	550			900 ASP			
	COILS				150 P					350 P			
ACCOMMODATION RATIO				363 600	60.5 %	1167 1200	98.9 %						
				617 600	102.9 %	2017 2100	96.1 %						
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION SV (31) CP

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	9	184			184	44	877			877	34	271			677
TOTAL	27	184			211	132	877			1009	508	271			779
GENERAL MAINTENANCE LEASED & SPARE	16	313			313	75	1491			1491	57	461			1151
TOTAL	47	313			360	225	1491			1716	962	461			1323
EXISTING					300 ASP					1200 ASP 900 ASP					1500 ASP
INCREASING UNTIL '84		300			300		2100			2100 P		900			1500
INCREASING UNTIL '94					300 P					1200 P 900 P					900 P
ACCOMMODATION AT '84				211	70.7 %					1009		779			51.9 %
RATIO AT '94				360	90.0 %					1716		1323			89.2 %
REMARKS				400						2100		1500			

NO. 45

DETERMINING DATA OF CABLE PAIRS

SECTION CP 32 ASD

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )	122	( )	( )	122	54	166	( )	( )	222			
	6					11							
	12					22							
TOTAL	18	122			140	87	168			255			
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )	207	( )	( )	207	92	286	( )	( )	378			
	10					19							
	20					38							
TOTAL	30	207			237	149	286			435			
EXISTING										1 200 ASP			
INCREASING UNTIL '84										1 200			
INCREASING UNTIL '94										500 P			
ACCOMMODATION AT '84					%					255 / 1200			21.3 %
RATIO AT '94					%					435 / 1200			36.3 %
REMARKS	PAIRS REQUIRED IN 1984 AND 1994 ARE ADDED UP IN CABLE ON ① - 2 ROUTE												

DETERMINING DATA OF CABLE PAIRS

SECTION HM 33 PL

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )	491	( )	( )	491	65	646	( )	( )	711			
	25					36							
	49					71							
TOTAL	74	491			565	172	646			818			
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )	835	( )	( )	835	111	1098	( )	( )	1209			
	42					60							
	84					121							
TOTAL	126	835			961	292	1098			1390			
EXISTING					600 ASP					1200 ASP			
PAIRS		600			600	100	1100			1200			
COILS					600 P					1100 P			
INCREASING UNTIL '84													
INCREASING UNTIL '94													
ACCOMMODATION AT '84				565	94.2%				818	68.2%			
				600					1200				
RATIO AT '94				961+190	95.9%				1390-190	100.0%			
				1200					1200				
REMARKS	190 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.9mm CABLE.												

NO. 47

DETERMINING DATA OF CABLE PAIRS

SECTION MM 34 (63) TC

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	145	74	( )	219	( )	( )	( )	( )				
	MAINTENANCE LEASED & SPARE	11											
	TOTAL	178	74		252								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	247	126	( )	373	( )	( )	( )	( )				
	MAINTENANCE LEASED & SPARE	19											
	TOTAL	303	126		429								
EXISTING	CABLES				34					300 ASP			
	PAIRS		250		250								
	COILS									300 P			
INCREASING UNTIL '84	CABLES				83					500 ASP			
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES									200 ASP			
	PAIRS	200			200								
	COILS												
ACCOMMODATION	AT '84				252					100.0%			%
	AT '94				429					95.3%			%
REMARKS	300 NL PAIRS ARE ACCOMMODATED TO LOADED PAIRS.												

DETERMINING DATA OF CABLE PAIRS

SECTION MM 34 84 SP

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	79	450	( )	529	( )		( )					
	MAINTENANCE	26											
	LEASED & SPARE	53											
	TOTAL	158	450		608								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	134	765	( )	899	( )		( )					
	MAINTENANCE	45											
	LEASED & SPARE	90											
	TOTAL	269	765		1,034								
EXISTING	CABLES				300,750								
	PAIRS	300	350		650								
	COILS				50 P 300 P								
INCREASING UNTIL '84	CABLES												
	PAIRS		150										
	COILS				150 P								
INCREASING UNTIL '94	CABLES				600 ASP								
	PAIRS	250	350		600								
	COILS				350 P								
ACCOMMODATION AT '84				608					53.5%				%
				650									
RATIO AT '94				1,034					86.2%				%
				1,200									
REMARKS													

NO. 49

DETERMINING DATA OF CABLE PAIRS

SECTION PL 35 37 SV

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	TOTAL
NO. OF PLANNING	( )	( )	( )	( )	( )	( )	( )	( )	( )
MAINTENANCE									
LEASED & SPARE				53					
TOTAL				106					
NO. OF PLANNING	( )	( )	( )	159	1,065		597	691	1,288
MAINTENANCE				( )					
LEASED & SPARE				90	1,793		729	1,175	1,904
TOTAL				179			190		
NO. OF PLANNING	( )	( )	( )	269	1,793		1,014	1,175	2,189
MAINTENANCE									
LEASED & SPARE									
TOTAL									
EXISTING									
INCREASING									
UNTIL '84									
INCREASING									
UNTIL '94									
ACCOMMODATION									
RATIO									
REMARKS									



DETERMINING DATA OF CABLE PAIRS

SECTION MM 36 SW

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )		( )	( )		( )		( )	( )		371	572	943
TOTAL											512	572	1084
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )		( )	( )		( )		( )	( )		631	972	1603
TOTAL											80		
											160		
EXISTING											871	972	1843
INCREASING UNTIL '84												400	400 P
INCREASING UNTIL '94											800	400	1200 ASP
ACCOMMODATION RATIO												1084	90.3 %
												1200	
												1843	87.8 %
												2100	
REMARKS													

NO 51

DETERMINING DATA OF CABLE PAIRS

SECTION BK (38) (39) NW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	55	970	( )	1025	( )		( )					
	MAINTENANCE LEASED & SPARE	51											
	TOTAL	209	970		1179								
	GENERAL	93	1649	( )	1742	( )		( )					
NO. OF PLANNING CIRCUIT IN '94	MAINTENANCE LEASED & SPARE	87											
	TOTAL	354	1649		2003								
	CABLES				600ASP								
	PAIRS	50	550/150		600								
EXISTING	COILS		+50/450		600 P								
	CABLES				600ASP								
	PAIRS	200	400		600								
	COILS				400 P								
INCREASING UNTIL '84	CABLES				300ASP 600ASP								
	PAIRS	200	700		900								
	COILS				700 P								
	AT '84				1179 1200					98.3%			%
ACCOMMODATION RATIO	AT '94				2003 2100					95.4%			%
	REMARKS												

DETERMINING DATA OF CABLE PAIRS

SECTION BK 40 LS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE IN '84	( )	772	( )	( )	772	41	418	( )	( )	459			
	39					23							
	77					48							
TOTAL	116	772			888	110	418			528			
NO. OF PLANNING MAINTENANCE LEASED & SPARE IN '94	( )	1312	( )	( )	1312	70	711	( )	( )	781			
	66					39							
	131					78							
TOTAL	197	1312			1509	187	711			898			
CABLES					300 PEP								
PAIRS	150	150			300								
COILS		150			150 P								
CABLES					600 ASP					900 ASP			
PAIRS		600			600	450	450			900			
COILS					50 P					450 P			
CABLES					600 ASP								
PAIRS	50	550			600		250						
COILS					550 P					250 P			
ACCOMMODATION AT '84					888					528			%
					900					900			%
RATIO AT '94					1509					898			%
					1500					900			%
REMARKS													

NO. 53

DETERMINING DATA OF CABLE PAIRS

SECTION RID B (41) LS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	(34)	946 888	332	(16+1)	228	( )	58	( )	( )	58	( )	( )	( )
GENERAL MAINTENANCE LEASED & SPARE	61					3							
TOTAL	217	888			1105	9	58			67			
NO. OF PLANNING CIRCUIT IN '94	(54)	508 510	564	(26+1)	2172	( )	99	( )	( )	99	( )	( )	( )
GENERAL MAINTENANCE LEASED & SPARE	109 104					5							
TOTAL	380 365	1508 151			1988 1415	10 15	99			114			
EXISTING					300								
INCREASING UNTIL '84					300								
INCREASING UNTIL '94					150 P 600 ASP 600 ASP								
ACCOMMODATION RATIO					1105 1500					73.7 %			%
					1988 2100					94.7 %			%
REMARKS	THESE PAIRS ARE INCLUDED IN 0.9mm CABLE PAIRS BECAUSE THE REQUIREMENT IS NOT SUFFICIENT FOR USING 0.65mm CABLE.												

DETERMINING DATA OF CABLE PAIRS

SECTION BSN (42) RID.b

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE					
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL	
NO. OF PLANNING MAINTENANCE LEASED & SPARE IN '84	(34)	40	332	(16+1)	372	( )	( )	( )	( )					
TOTAL	90	40			130									
NO. OF PLANNING MAINTENANCE LEASED & SPARE IN '94	(57)	68	564	(26+1)	632	( )	( )	( )	( )					
TOTAL	152	68			220									
EXISTING														
INCREASING UNTIL '84														
INCREASING UNTIL '94														
ACCOMMODATION RATIO					130 300					43.3 %				
								220 300					73.3 %	
REMARKS	AS FOW NEWLY INSTALLED 300 PEF-P CABLE, 50 PAIRS ARE LOADED BETWEEN LS EX. AND BSN EX, AND RID EX. AND .SSN EX.													

DETERMINING DATA OF CABLE PAIRS

SECTION RID (43) RID.B

ITEM	0.9 mm CABLE				0.65mm CABLE				0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )	986	( )	986	( )		( )			( )		( )		
	MAINTENANCE	49				3									
	LEASED & SPARE	99				6									
TOTAL	148	986			1134	9	58			67					
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	928	( )	928	( )		( )			( )		( )		
	MAINTENANCE	84				5									
	LEASED & SPARE	158				10									
TOTAL	252	928			1929	15	99			114					
EXISTING	CABLES		1677		1677										
	PAIRS	150	150		300										
	COILS				150P										
INCREASING UNTIL '84	CABLES				600ASP										
	PAIRS	300	900		1200										
	COILS				400P										
INCREASING UNTIL '94	CABLES				600ASP										
	PAIRS		600		600										
	COILS				500P										
ACCOMMODATION	AT '84			1134					75.6 %						
RATIO	AT '94			1929					91.9 %						
REMARKS	THESE PAIRS ARE INCLUDED IN 0.9mm CABLE PAIRS BECAUSE THE REQUIREMENT IS NOT SUFFICIENT FOR USING 0.65mm CABLE.														

DETERMINING DATA OF CABLE PAIRS

SECTION NC 44 BSN

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING	( )			( )		(14)		111	(6+11)	111			
CIRCUIT IN '84						6							
GENERAL MAINTENANCE LEASED & SPARE						11							
TOTAL						31				31			
NO. OF PLANNING	( )			( )		(20)		188	(9+11)	188			
CIRCUIT IN '94						9							
GENERAL MAINTENANCE LEASED & SPARE						19							
TOTAL						48				48			
EXISTING													
PAIRS													
COILS													
INCREASING													
UNTIL '84								8		50 REF-P			
COILS										50			
INCREASING													
UNTIL '94													
COILS										8P			
ACCOMMODATION													
RATIO													
AT '84										31			62.0 %
AT '94										50			96.0 %
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION CW (45) LS

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE									
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)							
NO. OF PLANNING																
CIRCUIT IN '84	GENERAL (34)	198	290	(16+1)	488											
	MAINTENANCE	24														
	LEASED & SPARE	49														
	TOTAL	107	198		305											
NO. OF PLANNING	GENERAL (50)	337	493	(24+1)	830											
CIRCUIT IN '94	MAINTENANCE	42														
	LEASED & SPARE	83														
	TOTAL	175	337		512											
EXISTING	CABLES				300PEP											
	PAIRS	150	150		300											
	COILS				150P											
INCREASING	CABLES														900ASP	
UNTIL '84	PAIRS		50											450	900	
	COILS														450P	
INCREASING	CABLES															
UNTIL '94	PAIRS	150	150		300ASP										250	
	COILS				200P											
ACCOMMODATION	AT '84		305		101.6%										474	
			300												900	
RATIO	AT '94		512		85.3%										805	
			600												900	
REMARKS																

NO. 58



DETERMINING DATA OF CABLE PAIRS

SECTION PK 46 - CW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL (34)	198	290	(16+1)	488	( )	( )	( )	( )				
	MAINTENANCE	24											
	LEASED & SPARE	49											
	TOTAL	107	198		305								
NO. OF PLANNING CIRCUIT IN '94	GENERAL (50)	337	493	(24+1)	830	( )	( )	( )	( )				
	MAINTENANCE	42											
	LEASED & SPARE	83											
	TOTAL	175	337		512								
EXISTING	CABLES				300PEF-P								
	PAIRS	150	150		300								
	COILS				150P								
INCREASING UNTIL '84	CABLES												
	PAIRS		+50										
	COILS				50P								
INCREASING UNTIL '94	CABLES				300ASP								
	PAIRS	150	150		300								
	COILS				150P								
ACCOMMODATION RATIO	AT '84				305					101.6 %			
	AT '94				300					85.3 %			
REMARKS	LS/PT 300 PEF-P CABLE IS CUT AND TERMINATED TO PK EX.												

DETERMINING DATA OF CABLE PAIRS

SECTION PT 47 PK

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(24)		209 (11+1)	209	( )		( )					
	MAINTENANCE	10											
	LEASED & SPARE	21											
	TOTAL	55			55								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(36)		355 (17+1)	355	( )		( )					
	MAINTENANCE	18											
	LEASED & SPARE	36											
	TOTAL	90			90								
EXISTING	CABLES				300RF+P								
	PAIRS	150	150		150								
	COILS				150P								
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION RATIO	AT '84			55 300	18.3 %					%			%
	AT '94			90 300	30.0 %					%			%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION BT 49 PK

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(12)	81	(5+1)	81	( )		( )					
	MAINTENANCE	4											
	LEASED & SPARE	8											
	TOTAL	24			24								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(16)	138	(7+1)	138	( )		( )					
	MAINTENANCE	7											
	LEASED & SPARE	14											
	TOTAL	37			37								
EXISTING	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '84	CABLES									50 PEF-P			
	PAIRS	50			50					50			
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION RATIO	AT '84			24	48.0%								%
	AT '94			37	74.0%								%
REMARKS													

NO. 61

DETERMINING DATA OF CABLE PAIRS

SECTION DM (50) LS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	14 (90)	628	873 (43+2)	1515	14 ( )	53	( )	( )	67			
	MAINTENANCE	76				3							
	LEASED & SPARE	72				7							
NO. OF PLANNING CIRCUIT IN '94	TOTAL	332	628		960	24	53			77			
	GENERAL	24 (134)	1068	1484 (65+2)	2576	24 ( )	90	( )	( )	114			
	MAINTENANCE	129				6							
EXISTING	LEASED & SPARE	258				11							
	TOTAL	545	1068		1613	41	90			131			
	CABLES	503	978		1481								
INCREASING UNTIL '84	PAIRS	42	258		300ASP								
	COILS				300P								
	TOTAL	750	450		600ASP 600ASP								
INCREASING UNTIL '94	PAIRS				1200								
	COILS				450P								
	TOTAL				300ASP								
ACCOMMODATION RATIO	AT '84				960 1500					64.0 %			%
	AT '94				1613 1800					89.6 %			%
	REMARKS	THESE PAIRS ARE INCLUDED IN 0.9mm CABLE PAIRS BECAUSE THE REQUIREMENT IS NOT SUFFICIENT FOR USING 0.65mm CABLE.											

DETERMINING DATA OF CABLE PAIRS

SECTION T Y (51) DM

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING													
CIRCUIT IN '84													
GENERAL	(14)		107	(6+1)	107	( )		( )					
MAINTENANCE	5												
LEASED & SPARE	11												
TOTAL	30				30								
NO. OF PLANNING													
CIRCUIT IN '94													
GENERAL	(18)		182	(8+1)	182	( )		( )					
MAINTENANCE	9												
LEASED & SPARE	18												
TOTAL	45				45								
EXISTING													
CABLES													
PAIRS													
COILS													
INCREASING													
UNTIL '84													
CABLES													
PAIRS	50				50					50			
COILS													
INCREASING													
UNTIL '94													
CABLES													
PAIRS													
COILS													
ACCOMMODATION													
RATIO													
AT '84													
AT '94													
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION RS 52 - DM

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	6 (48)		443 (23+1)	449	( )		( )	( )				
	MAINTENANCE LEASED & SPARE	22											
	TOTAL	121			121								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	10 (72)		753 (34+2)	763	( )		( )	( )				
	MAINTENANCE LEASED & SPARE	38											
	TOTAL	196			196								
EXISTING													
	CABLES				100PEF								
	PAIRS	100			100								
	COILS												
INCREASING UNTIL '84													
	CABLES												
	PAIRS		8										
	COILS				8P								
INCREASING UNTIL '94													
	CABLES				100PEF								
	PAIRS	100			100								
	COILS												
ACCOMMODATION RATIO	AT '84			121 100	121.0 %								%
	AT '94			196 200	98.0 %								%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION NWN 53 RS

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	( )		( )	(26)		241 (12+1)			
				12					
				24					
TOTAL				62		62			
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	( )		( )	(38)		410 (18+1)			
				21					
				41					
TOTAL				100		100			
CABLES									
PAIRS									
COILS									
CABLES									
PAIRS				92	8	100 PEE			
COILS									8P
CABLES									
PAIRS									
COILS									
ACCOMMODATION AT '84							62		62.0%
RATIO AT '94							100		100.0%
REMARKS									

NC.65

DETERMINING DATA OF CABLE PAIRS

SECTION KC (54) BSN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	40 (10)		79 (4+1)	119	( )		( )					
	MAINTENANCE	6											
	LEASED & SPARE	12											
	TOTAL	68			68								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	68 (14)		134 (6+1)	202	( )		( )					
	MAINTENANCE	10											
	LEASED & SPARE	20											
	TOTAL	112			112								
EXISTING	CABLES				100PEF								
	PAIRS	100			100								
	COILS												
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES				50PEF-P								
	PAIRS				50								
	COILS												
ACCOMMODATION RATIO	AT '84				$\frac{68}{100}$					68.0%			%
	AT '94				$\frac{112}{150}$					74.7%			%
REMARKS													

NO. 66



DETERMINING DATA OF CABLE PAIRS

SECTION OK 55 TH

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	(56)	1017	577	(26+2)	1594	55	656	( )	( )	711	108	656	764
	80					36					38		
	160					71					76		
TOTAL	296	1017			1313	162	656			818	222	656	878
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	(88)	1729	981	(42+2)	2710	94	1115	( )	( )	1209	184	1115	1299
	136					60					65		
	271					121					130		
TOTAL	495	1729		2224	2224	275	1115			1390	379	1115	1494
CABLES				100ASP									
PAIRS	740	660		1400									
COILS				300P/100P									
				260P									
INCREASING UNTIL '84		400				500	700			1200	1100	700	1800
				200P									
				200P									
				600ASP									
				600ASP									
INCREASING UNTIL '94	500	700		1200			450					450	
				600P									
				100P									
ACCOMMODATION AT '84				1313	93.6 %					818			48.8 %
				1400						1200			
RATIO AT '94				2224+190	92.6 %					1390-190			93.0 %
				2600						1200			
REMARKS	190 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.9mm CABLE.												

DETERMINING DATA OF CABLE PAIRS

SECTION EC 96 DK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	12 ( )	425	( )	( )	( )	( )	( )	( )	437	( )	( )	( )
	MAINTENANCE	22											
	LEASED & SPARE	44											
TOTAL	78	425								503			
NO. OF PLANNING CIRCUIT IN '94	GENERAL	20 ( )	723	( )	( )	( )	( )	( )	( )	743	( )	( )	( )
	MAINTENANCE	37											
	LEASED & SPARE	74											
TOTAL	131	723								854			
EXISTING													
INCREASING UNTIL '84	CABLES									600ASP			
	PAIRS	150	450							600			
	COILS									450P			
INCREASING UNTIL '94	CABLES									300ASP			
	PAIRS		500							300			
	COILS									300P			
ACCOMMODATION	AT '84								503	83.8 %			
RATIO	AT '94								600	94.9 %			
REMARKS									854	94.9 %			

DETERMINING DATA OF CABLE PAIRS

SECTION RB 58 DK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)		
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(56)	753	577	(26+2)	1330	109	( )	263	( )	372
	MAINTENANCE	67					19				
	LEASED & SPARE	133					37				
TOTAL	256	753		1009	165	263				428	
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(88)	1280	981	(42+2)	2261	185	( )	447	( )	632
	MAINTENANCE	113					31				
	LEASED & SPARE	226					63				
TOTAL	427	1280		1707	279	447				726	
EXISTING	CABLES					200ASP					
	PAIRS	200				200					
	COILS										
INCREASING UNTIL '84	CABLES					600ASP					900ASP
	PAIRS	400	800		1200	600	300				900
	COILS					600P					300P
INCREASING UNTIL '94	CABLES					400ASP					
	PAIRS		400			400		150			
	COILS					400P					150P
ACCOMMODATION RATIO	AT '84			1009	72.1 %				428	47.6 %	
	AT '94			1707	94.8 %				726	80.7 %	
REMARKS											

DETERMINING DATA OF CABLE PAIRS

SECTION PD (59) RB

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '84	38 (56)	416	577 (26+2)	73 ( )	156	( )	229		
TOTAL	249	416	665	107	156		263		
NO. OF PLANNING MAINTENANCE LEASED & SPARE CIRCUIT IN '94	65 (88)	707	981 (42+2)	124 ( )	265	( )	389		
TOTAL	416	707	1123	182	265		447		
CABLES			200ASP						
PAIRS	200		200						
COILS									
INCREASING UNTIL '84	122	478	600ASP	400	200		600ASP		
INCREASING UNTIL '94	150	250	400ASP		100		200P		
ACCOMMODATION RATIO			665 / 800 = 83.1 %				263 / 600 = 43.8 %		
			1123 / 1200 = 93.5 %				447 / 600 = 74.5 %		
REMARKS									

DETERMINING DATA OF CABLE PAIRS

SECTION PP 60 - PD

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL (14)		110	(6+1)	110	( )		( )					
	MAINTENANCE	6											
	LEASED & SPARE	11											
	TOTAL	31			31								
NO. OF PLANNING CIRCUIT IN '94	GENERAL (20)		187	(9+1)	187	( )		( )					
	MAINTENANCE	9											
	LEASED & SPARE	19											
	TOTAL	48			48								
EXISTING	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '84	CABLES				50PEF								
	PAIRS	50			50								
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION	AT '84			31	50	62.0%							%
RATIO	AT '94			48	50	96.0%							%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION CN (6) TH

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	42	1031	1073
	MAINTENANCE LEASED & SPARE										54		
	TOTAL										203	1031	1234
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	71	1753	1824
	MAINTENANCE LEASED & SPARE										91		
	TOTAL										182		
EXISTING	CABLES										344	1753	2097
	PAIRS												1500ASP
	COILS										400	1100	1500
INCREASING UNTIL '84	CABLES												1100P
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												600ASP
	PAIRS											100	
	COILS												600P
ACCOMMODATION RATIO	AT '84				%							1234	82.3%
AT '94					%							2097-597	100%
REMARKS													

NC.72

DETERMINING DATA OF CABLE PAIRS

SECTION BC - TH

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	392 (40)	537	397	(19+1)	1326	( )	( )	( )	( )		162	376	538
CIRCUIT IN '84	66										27		
TOTAL	631	537			1168						243	376	619
NO. OF PLANNING MAINTENANCE LEASED & SPARE	666 (64)	913	624	(31+1)	2203	( )	( )	( )	( )		275	639	914
CIRCUIT IN '94	110										45		
TOTAL	1060	913			1973						411	639	1050
EXISTING					600ZASP 200ASP								1800ASP
INCREASING UNTIL '84	600	800			1400						1300	500	1800
INCREASING UNTIL '94	450	150			600							150	500P
ACCOMMODATION RATIO					1168 1400								619 1800
					83.4%								34.4%
					1973 2000								1050 1800
					98.7%								58.4%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION PC 63 BC

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	(40)	20	397 (19+1)	417	32 ( )	495	( )	( )	527					
	MAINTENANCE	21				26									
	LEASED & SPARE	42				53									
TOTAL	103	20			123	111	495			606					
NO. OF PLANNING CIRCUIT IN '94	GENERAL	(64)	34	624 (31+1)	658	54 ( )	842	( )	( )	896					
	MAINTENANCE	33				45									
	LEASED & SPARE	66				90									
TOTAL	163	34			197	189	842			1031					
EXISTING					200ASP					1200ASP					
PAIRS		200			200	600	600			1200					
COILS					200P					600P					
INCREASING UNTIL '84															
PAIRS		-66													
COILS															
INCREASING UNTIL '94							250			250P					
COILS															
ACCOMMODATION RATIO	AT '84			123	200	61.5 %			606	1200	50.5 %				
AT '94				197	200	98.5 %			1031	1200	85.9 %				
REMARKS	THE MINUS SIGN SHOWS DELOADED CIRCUIT.														

NO. 74



DETERMINING DATA OF CABLE PAIRS

SECTION MK 64 PC

ITEM	0.9 mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(40)	20	397	(19)	(1)	417	( )	( )	( )		( )	( )	
TOTAL	103	20				123							
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(64)	34	624	(31)	(1)	658	( )	( )	( )		( )	( )	
TOTAL	163	34				197							
EXISTING						200ASP							
INCREASING UNTIL '84		200				200							
INCREASING UNTIL '94						200P							
ACCOMMODATION AT '84						123				61.5 %			%
RATIO AT '94						197				98.5 %			%
REMARKS	THE MINUS SIGN SHOWS DELOADED CIRCUIT.												

DETERMINING DATA OF CABLE PAIRS

SECTION MK 65 NK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL			207 (10+1)	207	( )							
	MAINTENANCE	10											
	LEASED & SPARE	21											
	TOTAL	53			53								
NO. OF PLANNING CIRCUIT IN '94	GENERAL			352 (16+1)	352	( )							
	MAINTENANCE	18											
	LEASED & SPARE	35											
	TOTAL	87			87								
EXISTING	CABLES				200ASP								
	PAIRS		200		200								
	COILS				200P								
INCREASING UNTIL '84	CABLES												
	PAIRS		-44										
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION	AT '84			53	26.5 %								
RATIO	AT '94			87	43.5 %								
REMARKS	THE MINUS SIGN SHOWS DELOADED CIRCUIT.												

DETERMINING DATA OF CABLE PAIRS

SECTION NK 66 NK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING									
CIRCUIT IN '84	(22)		207 (10+1)	( )		( )			
GENERAL MAINTENANCE	10								
LEASED & SPARE	21								
TOTAL	53		53						
NO. OF PLANNING									
CIRCUIT IN '94	(34)		352 (16+1)	( )		( )			
GENERAL MAINTENANCE	18								
LEASED & SPARE	35								
TOTAL	87		87						
EXISTING									
PAIRS									
COILS									
INCREASING									
UNTIL '84			100ASP						
UNTIL '94	100		100						
COILS									
INCREASING									
UNTIL '94									
COILS									
ACCOMMODATION									
AT '84			53 / 100						53.0 %
RATIO			87 / 100						87.0 %
REMARKS									

DETERMINING DATA OF CABLE PAIRS

SECTION PN (67) CP

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )	265	( )	265	( )	98	( )	( )	98	878	67	945
	MAINTENANCE	13				5					47		
	LEASED & SPARE	27				10					95		
TOTAL	40	265			305	15	98			113	1020	67	1087
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	451	( )	451	( )	167	( )	( )	167	1493	114	1607
	MAINTENANCE	23				8					80		
	LEASED & SPARE	45				17					161		
TOTAL	68	451			519	25	167			192	1734	114	1848
EXISTING	CABLES				600 ASP					1200 ASP			1800 ASP
	PAIRS	100	500		600	100	1700			1800	1650	150	1800
	COILS				500 P					1200 P			150 P
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION	AT '84				305	50.8 %			113	6.3 %	1087	60.4 %	
RATIO	AT '94				519	86.5 %			192 + 48	14.0 %	1848 - 48	100.0 %	
REMARKS	60 PAIRS REQUIRED IN 1994 ARE ACCOMMODATED TO 0.65mm CABLE.												

DETERMINING DATA OF CABLE PAIRS

SECTION HM 66 PN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	( )			( )		19	918			937			
GENERAL MAINTENANCE LEASED & SPARE						47							
TOTAL						160	918			1078			
NO. OF PLANNING CIRCUIT IN '94	( )			( )		32	1561			1593			
GENERAL MAINTENANCE LEASED & SPARE						80							
TOTAL						159	1561			1832			
EXISTING						271				1200ASP			
INCREASING UNTIL '84						200	1000			1200			
INCREASING UNTIL '94						100	500			600ASP			
ACCOMMODATION RATIO													
AT '84					%					1078 / 1200 = 89.8 %			%
AT '94					%					1832 / 1800 = 101.7 %			%
REMARKS													

NO.79

DETERMINING DATA OF CABLE PAIRS

SECTION HM 69 KC

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	996	( )	996	44 ( )	159	( )	( )	203			
	MAINTENANCE	50				10							
	LEASED & SPARE	100				20							
TOTAL	150	996			1146	74	159			233			
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )	1693	( )	1693	75 ( )	270	( )	( )	345			
	MAINTENANCE	85				17							
	LEASED & SPARE	169				35							
TOTAL	254	1693			1947	127	270			397			
EXISTING	CABLES				600ASP					1200ASP			
	PAIRS		600		600	600	600			1200			
	COILS				600P					600P			
INCREASING UNTIL '94	CABLES				600ASP								
	PAIRS	200	400		600								
	COILS				400P								
INCREASING UNTIL '94	CABLES				300ASP								
	PAIRS	200	700		900								
	COILS				100P								
ACCOMMODATION	AT '84			1146	95.5 %				233	19.4 %			%
RATIO	AT '94			1947	92.7 %				357	33.1 %			%
REMARKS													

NO. 80

DETERMINING DATA OF CABLE PAIRS

SECTION C.P. 70 HM

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	( )			( )		144	( )	( )	( )	144			
TOTAL						165				165			
NO. OF PLANNING MAINTENANCE LEASED & SPARE	( )			( )		245	( )	( )	( )	245			
TOTAL						282				282			
EXISTING										150 ASP			
INCREASING UNTIL '84										150			
INCREASING UNTIL '94										150			
ACCOMMODATION AT '84										165			110.0%
RATIO AT '94										282			940%
REMARKS	144 NL PAIRS ARE ACCOMMODATED TO LOADED PAIRS.												

DETERMINING DATA OF CABLE PAIRS

SECTION ON 71 PN

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING									
GENERAL	12 (32)	495	272 (15+1)	( )	( )	( )	( )	( )	( )
MAINTENANCE	39								
LEASED & SPARE	78								
TOTAL	161	495	656						
NO. OF PLANNING									
GENERAL	20 (46)	842	462 (22+1)	( )	( )	( )	( )	( )	( )
MAINTENANCE	66								
LEASED & SPARE	132								
TOTAL	264	842	1106						
EXISTING									
CABLES									
PAIRS									
COILS									
INCREASING									
UNTIL '84									
CABLES									
PAIRS	100	500	600ASP						
COILS			500P						
INCREASING									
UNTIL '94									
CABLES									
PAIRS	250	350	600ASP						
COILS			350P						
ACCOMMODATION									
AT '84			656						
RATIO			500						
AT '94			1106						
			1200						
REMARKS									



DETERMINING DATA OF CABLE PAIRS

SECTION P V 2 ON

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING													
CIRCUIT IN '84													
GENERAL	(32)		272	(15+1)	272	( )		( )					
MAINTENANCE		14											
LEASED & SPARE		27											
TOTAL	73				73								
GENERAL	(46)		462	(22+1)	462	( )		( )					
NO. OF PLANNING													
CIRCUIT IN '94													
MAINTENANCE		23											
LEASED & SPARE		46											
TOTAL	115				115								
CABLES													
PAIRS													
COILS													
CABLES													
PAIRS	150				150PEP								
COILS					150								
CABLES													
PAIRS													
COILS													
AT '84				73	48.7 %								
RATIO				150	76.7 %								
AT '94				115	76.7 %								
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION LB 73 PV

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CM)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(22)		174	(10+1)	174	( )		( )					
CIRCUIT IN '84	9												
TOTAL	48				48								
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(30)		296	(14+1)	296	( )		( )					
CIRCUIT IN '94	15												
TOTAL	30												
EXISTING	75				75								
CABLES													
PAIRS													
COILS													
INCREASING UNTIL '84													
CABLES					100PE-P								
PAIRS	100				100								
COILS													
INCREASING UNTIL '94													
CABLES													
PAIRS													
COILS													
ACCOMMODATION AT '84				48	48.0 %								
RATIO				100									
AT '94				75	75.0 %								
REMARKS													

NO. 84

DETERMINING DATA OF CABLE PAIRS

SECTION PS 74 PN

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(70)		695	(34+1)	695	( )		( )					
CIRCUIT IN '84	35												
TOTAL	175				175								
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(110)		1182	(53+2)	1182	( )		( )					
CIRCUIT IN '84	59												
TOTAL	118												
EXISTING	287				287								
INCREASING UNTIL '84					600/300ASP								
INCREASING UNTIL '94	124	176			300								
INCREASING UNTIL '94					300 P								
ACCOMMODATION AT '84					175+140								
RATIO					300								
REMARKS	THE MINUS SIGN SHOWS DELOADED CIRCUIT.												

DETERMINING DATA OF CABLE PAIRS

SECTION BN 75 PN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(10)	608	90	(4+1)	698	13	1433	( )	( )	1446	118	79	197
	35					72					10		
CIRCUIT IN '84	70					145					20		
TOTAL	115	608			723	230	1433			1663	148	79	227
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(14)	1034	153	(6+1)	1187	22	2436	( )	( )	2458	201	134	335
	59					123					17		
CIRCUIT IN '94	119					246					34		
TOTAL	192	1034			1227	391	2436			2827	252	134	386
CABLES					300ASP					600ASP			1200ASP
PAIRS		300			300	800	1000			1800	400	800	1200
COILS					300P					500P			800P
CABLES					600ASP								
PAIRS	250	350			600		500						
COILS					350P					500P			
CABLES					400ASP					1200ASP			
PAIRS		400			400	200	1000			1200			
COILS					400P					1000P			
ACCOMMODATION AT '84				723	80.3 %				1663	92.4 %		227	18.9 %
				900					1800			1200	
RATIO AT '94				1227	94.4 %				2827	94.2 %		386	32.2 %
				1300					3000			1200	
REMARKS													

NO. 86

DETERMINING DATA OF CABLE PAIRS

SECTION PS 76 BN

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING													
CIRCUIT IN '84	30	637			667	72	177			249			
GENERAL						12							
MAINTENANCE	33												
LEASED & SPARE	67					25							
TOTAL	130	637			767	109	177			286			
NO. OF PLANNING													
CIRCUIT IN '94	51	1063			1134	122	301			423			
GENERAL						21							
MAINTENANCE	57												
LEASED & SPARE	113					42							
TOTAL	221	1063			1304	165	301			486			
EXISTING													
CABLES					600ASP					1200ASP			
PAIRS	100	500			600	700	500			1200			
COILS					500P					500P			
INCREASING													
UNTIL '84													
CABLES													
PAIRS													
COILS													
INCREASING													
UNTIL '94													
CABLES					200ASP					200ASP			
PAIRS	200	600			800								
COILS					600P								
ACCOMMODATION													
AT '84				767-140	104.5%					286-1200	23.8%		%
RATIO				600						486-1200	40.5%		%
REMARKS	140 PAIRS ARE ADDED UP IN CABLE ON ROUTE.												

SECTION BPL 7 BN

DETERMINING DATA OF CABLE PAIRS

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(10)		90	(4+1)	90	( )			( )				
CIRCUIT IN '84	5												
TOTAL	24				24								
NO. OF PLANNING MAINTENANCE LEASED & SPARE	(15)		153	(7+1)	153	( )			( )				
CIRCUIT IN '94	8												
TOTAL	15												
EXISTING	39				39								
CABLES PAIRS COILS													
INCREASING UNTIL '84										50PEF			
CABLES PAIRS COILS	50				50								
INCREASING UNTIL '94													
CABLES PAIRS COILS													
ACCOMMODATION AT '84				24	48.0%								%
RATIO AT '94				39	78.0%								%
REMARKS													

DETERMINING DATA OF CABLE PAIRS

SECTION SPK 78 PS

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE		
	NL (PCM)	L	PCM (CH)	NL	L	PCM (CH)	NL	L	PCM (CH)
NO. OF PLANNING CIRCUIT IN '84	GENERAL	32 (72)	16	595 (34+2)	743	( )	( )		
	MAINTENANCE	37							
	LEASED & SPARE	74							
	TOTAL	215	16		231				
NO. OF PLANNING CIRCUIT IN '94	GENERAL	110 (54)	27	1181 (53+2)	1262	( )	( )		
	MAINTENANCE	63							
	LEASED & SPARE	126							
	TOTAL	300	27		580				
EXISTING	CABLES				100 REF 600 ASP				
	PAIRS	500	200		700				
	COILS				200 P				
INCREASING UNTIL '84	CABLES								
	PAIRS								
	COILS								
INCREASING UNTIL '94	CABLES								
	PAIRS								
	COILS								
ACCOMMODATION RATIO	AT '84			$\frac{231}{700}$	33.0 %				%
	AT '94			$\frac{380}{700}$	54.3 %				%
REMARKS									

DETERMINING DATA OF CABLE PAIRS

SECTION BPO - 79 - SPK

ITEM	0.9mm CABLE			0.65mm CABLE			0.5mm CABLE						
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL (14)		117	(6+1)	117	( )		( )	( )				
	MAINTENANCE	6											
	LEASED & SPARE	12											
	TOTAL	32			32								
NO. OF PLANNING CIRCUIT IN '94	GENERAL (20)		199	(9+1)	199	( )		( )	( )				
	MAINTENANCE	10											
	LEASED & SPARE	20											
	TOTAL	50			50								
EXISTING	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '84	CABLES				50PEF								
	PAIRS				50								
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION RATIO	AT '84			32	64.0 %								%
	AT '94			50	100.0 %								%
REMARKS													

NO. 90



DETERMINING DATA OF CABLE PAIRS

SECTION T K (8) SW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING													
CIRCUIT IN '84													
GENERAL MAINTENANCE	22	449			471	( )					69	41	110
LEASED & SPARE	24										6		
TOTAL	47										11		
NO. OF PLANNING													
CIRCUIT IN '94													
GENERAL MAINTENANCE	93	449			542						86	41	127
LEASED & SPARE	37	763			800	( )					117	70	187
TOTAL	40										9		
NO. OF PLANNING													
CIRCUIT IN '94													
GENERAL MAINTENANCE	80										18		
LEASED & SPARE	157	763			920						144	70	214
TOTAL													
EXISTING													
INCREASING													
UNTIL '84													
UNTIL '94													
ACCOMMODATION													
RATIO													
AT '84													
AT '94													
REMARKS													

NO. 91

DETERMINING DATA OF CABLE PAIRS

SECTION TC 82 SW

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	( )		( )		( )	545	( )	( )	545	176	762	938
	MAINTENANCE LEASED & SPARE					27					47		
	TOTAL					82	545			627	317	762	1079
NO. OF PLANNING CIRCUIT IN '94	GENERAL	( )		( )		( )	927	( )	( )	927	299	1295	1594
	MAINTENANCE LEASED & SPARE					46					130		
	TOTAL					93	927			1066	588	1295	1883
EXISTING	CABLES												1800 ASP
	PAIRS										1000	800	1800
	COILS												800 P
INCREASING UNTIL '84	CABLES												
	PAIRS												550
	COILS												550 P
INCREASING UNTIL '94	CABLES									1200 ASP			
	PAIRS					300	900			1200			
	COILS									900 P			
ACCOMMODATION RATIO	AT '84				%						1079/1627	94.7 %	
	AT '94				%				1066/83	1200	1883-83	100.0 %	
REMARKS	THESE CIRCUITS ARE TEMPORARILY ACCOMMODATED TO EXISTING 0.5mm CABLE UNTIL 1984												

DETERMINING DATA OF CABLE PAIRS

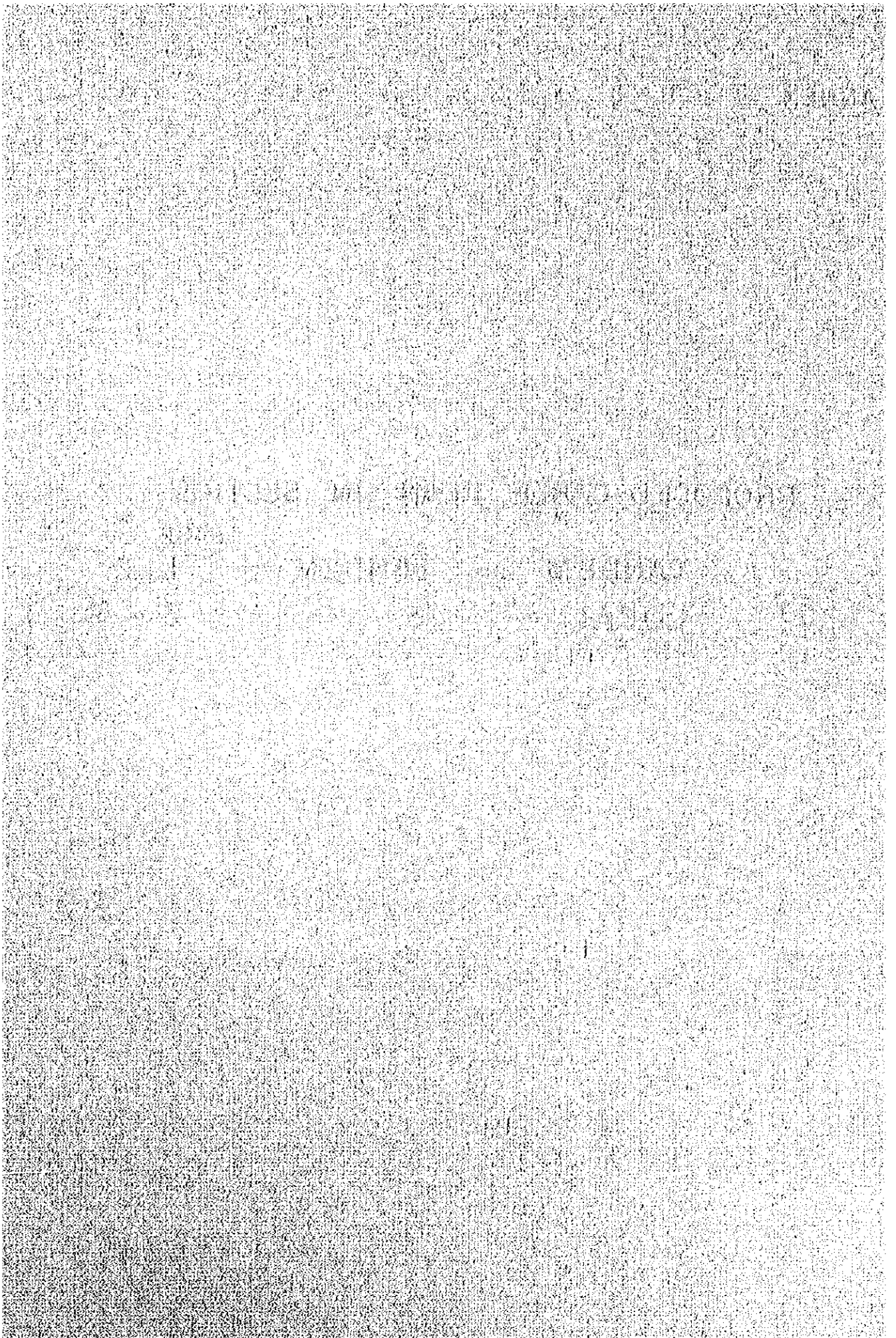
SECTION TC 83 (84) SP

ITEM	0.9mm CABLE				0.65mm CABLE				0.5mm CABLE				
	NL (PCM)	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	PCM (CH)	PCM (SYS)	TOTAL	NL	L	TOTAL
NO. OF PLANNING CIRCUIT IN '84	GENERAL	19 ( )		( )	19	( )		( )	( )				
	MAINTENANCE	1											
	LEASED & SPARE	2											
	TOTAL	22			22								
NO. OF PLANNING CIRCUIT IN '94	GENERAL	52 ( )		( )	52	( )		( )	( )				
	MAINTENANCE	2											
	LEASED & SPARE	3											
	TOTAL	37			37								
EXISTING	CABLES				300ASP								
	PAIRS	(50)			(50)								
	COILS												
INCREASING UNTIL '84	CABLES												
	PAIRS												
	COILS												
INCREASING UNTIL '94	CABLES												
	PAIRS												
	COILS												
ACCOMMODATION	AT '84				%				%			%	
RATIC	AT '94				%				%			%	
REMARKS													



PROPOSED-CABLE PLAN IN SECTION

	PAGE
TANDEM - TANDEM .....	1, 2
LOCAL .....	3 ~ 9



SECTION	CABLE NAME	CLASSIFICATION OF CABLES		REMARK
		EXISTING	INCREASING UNTIL '84 INCREASING UNTIL '94	
I	KK/PY - 1	900/100-65 ASP	540L	
	" - 2	400-9 ASP	400L	
	" - 3	600-9 PEF-P	400L	INCLUDE PCM cct.
	KK/PY/PW	1800-5 ASP	500L	900 FOR KK/PY
II	KK/PY - 4			400-9 ASP 50L
	KK/PL - 1	600-9 ASP	540L	INCLUDE PCM cct.
	" - 2	900-65 ASP	600L	
	" - 3	1800-5 ASP		
	" - 4	900-65 ASP	300L	
	" - 5	1800-5 ASP	1600L	
	" - 6			600-9 ASP 150L
III	" - 7			300-9 ASP 300L
	KK/SW - 1	1200-65 ASP	500L	
	" - 2	900-65 ASP	370L	
	KK/SW/TH	400/300-9 ASP	290L	290 FOR KK/SW
IV	KK/SW - 3			300-9 ASP 150L
	KK/TH - 1	1100/900-65 ASP	600L	
	" - 2	1100/1200-65 ASP	543L	INCLUDE PCM cct.
	" - 3	600-9 ASP/LIJ	600L	
V	KK/SW/TH	400/300-9 ASP/LIJ	100L	100 FOR KK/TH
	PY/SW - 1	600-9 ASP	300L	INCLUDE PCM cct.
	" - 2	1200-65 ASP	900L	
	" - 3			600-9 PEF-P 150L
	" - 4			600-9 ASP 600L
	" - 5			600-9 ASP 600L
VI	" - 6			400-9 ASP 100L
	" - 7			600-65 ASP 300L
	PY/PL - 1	1200-65 ASP	700L	
	" - 2	600-9 ASP	325L	INCLUDE PCM cct.
VII	" - 3	1200-65 ASP	600L	
	" - 4			600-9 ASP 300L
	" - 5			300-9 ASP 300L

NO. 1

SECTION	CABLE NAME	CLASSIFICATION OF CABLES			REMARK	
		EXISTING	INCREASING UNTIL '84	INCREASING UNTIL '94		
VI	PY/ASD - 2	600-9 PEF-P 200L	100L		} PY/PN	
	ASD/CP - 2	600-9 PEF-P 200L	100L			
	CP/PN - 6	600-9 PEF-P 200L			} INCLUDE PCM cct.	
	PY/ASD - 3			400-9 ASP 100L		
	ASD/CP - 3				600-9 ASP 150L	} PY/PN
	CP/PN - 7				300-9 ASP 50L	
		PY/LS - 1	600-9 PEF-P 200L			INCLUDE PCM cct.
VII	PY/BK - 1	600-9 PEF-P 400L			} PY/LS	
	LS/BK - 2	600-9 PEF-P 345L				
	PY/LPI/LS	600/300-9 ASP 244L			INCLUDE PCM cct.	
	PY/LS - 2			300-9 PEF-P	INCLUDE PCM cct.	
	PL/SW - 1	1200-65 ASP 1000L				
VIII	' - 2	1200-65 ASP 400L				
	' - 3	1800-5 ASP 500L				
	' - 4	1800-5 ASP 500L				
	' - 5	600-9 PEF-P 500L	-50L		INCLUDE PCM cct.	
	' - 6	450-9 ASP 450L				
	' - 7			600-9 PEF-P	INCLUDE PCM cct.	
	' - 8			600-9 ASP 500L		
	PL/PN - 1	1200-65 ASP 400L	300L		INCLUDE PCM cct.	
	' - 2	600-9 PEF-P 500L			INCLUDE PCM cct.	
	' - 3	600-9 PEF-P 190L			INCLUDE PCM cct.	
IX	PL/CP - 1	600-9 ASP 500L			} PL/PN	
	CP/PN - 5		600-9 ASP 300L			
	PL/PN - 4			600-9 ASP 600L		
	PL/CP - 2			300-9 ASP		
X	SW/TH - 1	1800-5 ASP 900L				
	' - 2	1200-65 ASP 1000L				
	' - 3	600-9 PEF-P 500L			INCLUDE PCM cct.	
	' - 4		600-9 PEF-P 250L		INCLUDE PCM cct.	
	' - 5			600-9 ASP 500L		
	' - 6			600-9 PEF-P	INCLUDE PCM cct.	
	' - 7			600-65 ASP 600L		

NO. 2



SECTION	CABLE NAME	CLASSIFICATION OF CABLES			REMARK	
		EXISTING	INCREASING UNTIL '84	INCREASING UNTIL '94		
①	KK / PW - 1	1800 - 5 ASP			900 FOR KK/PW	
	KK / PY / PW	1800 - 5 ASP				
	KK / PW - 2			900 - 5 ASP		
②	KK / SR - 1	1800 - 5 ASP				
	" - 2	900 - 5 ASP				
	" - 3		1200 - 5 ASP	100L		
	" - 4			1200 - 5 ASP		
③	KK / SS - 1	600 - 9 ASP				
	" - 2	600 - 65 ASP				
	" - 3	900 - 5 ASP				
	" - 4	1200 - 65 ASP				
	" - 5			900 - 65 ASP		500L
	" - 6			600 - 5 ASP		
④	SS / BP - 1	1100 - 65 ASP				
	" - 2	1500 - 5 ASP				
	" - 3			300 - 65 ASP		50L
⑤	PY / PW	1800 - 5 ASP			200L	
⑥	TH / SR - 1	1500/1800-5ASP			900 FOR PY/PW	
⑦	SW / SR - 1	1500 - 5 ASP				
⑧	" - 2					
⑨	SW / PW - 1	1200 - 5 ASP			600 - 5 ASP	
⑩	PL / PW - 1	1200 - 5 ASP				
⑪	PL / SR - 1	1200 - 65 ASP				
	PL / PY / SR	1200/1800-5ASP				
⑫	PL / SR - 2				300L	
	PL / PY / SR	600/1800-5ASP				
⑬	PY / SR - 1				350L	
	BN / CN - 1	300 - 65 ASP	1200 - 65 ASP	600L		
⑭	" - 2			50L		
	PY / SS - 1	550/600-9 ASP				
⑮					200 - 65 ASP	
⑯					100L	

SECTION	CABLE NAME	CLASSIFICATION OF CABLES			REMARK
		EXISTING	INCREASING UNTIL '84	INCREASING UNTIL '94	
⑬	SS / BS - 1 - 2	600-9 ASP 300L		200-9 ASP 150L	
⑭	PY / BS - 1 - 2 - 3 - 4	1100 / 550 - 65/9 ASP 1000L			
		600-9 ASP 525L		600-9 ASP 500L	
⑮	BS / NN - 1 - 2 - 3	600-9 ASP 400L		300-9 ASP	
		300-9 ASP 290L			
⑯	PY / LPI - 1 - 2	1200-65 ASP 1000L			
		1200-65 ASP 500L		400-9 ASP 300L	
⑰	PY / LPI / LS - 3 - 4	600 / 300-9 ASP 225L	600-9 ASP 350L		INCLUDE PCM cct.
				400-9 ASP 400L	
⑱	PY / NW - 1 - 2		600-9 ASP 550L		
				600-9 ASP 350L	
⑲	PY / BK - 2 - 3 - 4	600-9 ASP 600L			
			1200-65 ASP 700L	300-9 ASP 300L	
⑳	LPI / BK - 1 - 2 - 3		400-9 ASP 200L		
		600-9 ASP 500L			INCLUDE PCM cct.
㉑	LPI / LP2 - 1 - 2 - 3 - 4	300-9 ASP 237L			
			600-9 ASP 200L		
㉒	PY / IM - 1 - 2 - 3	900-65 ASP 300L		600-9 ASP 600L	
		1800-5 ASP			
㉓	NN / NW - 1 - 2 - 3	600-9 ASP 400L		600-65 ASP 200L	
		300-9 ASP 290L			
㉔	LP2 / KC - 1 - 2	300-9 ASP 223L			INCLUDE PCM cct.
				100-9 ASP	

SECTION	CABLE NAME	CLASSIFICATION OF CABLES			REMARK
		EXISTING	INCREASING UNTIL '84	INCREASING UNTIL '94	
26	PY/ASD -1	1200-65 ASP	300L		100L
27	PL/ASD -1	1800-5 ASP	1200L		
		1800-5 ASP	600L		200L
28	PL/MM -1	900-65 ASP	650L		
		600-65 ASP	430L		
		600-9 ASP	550L		
		600-9 ASP	350L		
29	MM/SV -1	300-9 ASP	300L		
		900/600-65ASP	600L		600 FOR MM/SV
30	MM/KT -1	1200-65 ASP	550L		
		600-9 ASP	300L		
		900-65 ASP			
		900-65 ASP	350L		
31	SV/CP -1	1500-5 ASP	900L		
		900-65 ASP	900L		
		1200-65 ASP	1200L		
		300-9 ASP	300L		
		100-9 ASP	50L		
32	CP/ASD -1	1200-65 ASP	600L		
		1200-65 ASP	1100L		
33	PL/HM -2	600-9 ASP	600L		
		600-9 ASP	300L		
34	MM/TC -1	300-9 ASP	250L		250 FOR MM/TC
		600-9 ASP	300L		
34	MM/SP -1	300-9 ASP	50L		50 FOR MM/SP
		600-9 ASP	350L		
35	PL/SV -1	1800/1500-5 ASP	900L		
		1200-65 ASP	1200L		
		900/600-65 ASP	300L		300 FOR PL/SV
35	PL/SV -3				600-65 ASP
					900-5 ASP

NO 5

SECTION	CABLE NAME	CLASSIFICATION OF CABLES			REMARK
		EXISTING	INCREASING UNTIL , 84	INCREASING UNTIL , 94	
36	SW / MM - 1 - 2	1200 - 5 ASP 400L	200L	900 - 5 ASP 400L	
38/39	BK / NW - 1 - 2 - 3 - 4	600 - 9 ASP 600L	400L	600 - 9 ASP 600L 300 - 9 ASP 100L	
	LS / BK - 1 - 3 - 4 - 5	300 - 9 PEF-P 150L	50L 600L 450L	600 - 9 ASP 250L 600 - 9 ASP 550L	100 FOR LS/RID
	LS/RID/BSN	300 - 9 PEF-P 100L			
	LS / RID - 2 - 3 - 4		500L 400L	600 - 9 ASP 600 - 9 ASP	
41/42	LS / BSN		50L	300 - 9 PEF-P	100 FOR LS/BSN, INCLUDE PCM cct.
42/43	RID / BSN		50L	300 - 9 PEF-P	100 FOR RID/BSN
44	BSN/NC - 1		8L	50 - 65 PEF-P	INCLUDE PCM cct.
45	LS / CW - 1		450L	900 - 5 ASP	250L
45/46	LS / PK - 1 - 2	300 - 9 PEF-P 150L	50L	300 - 9 ASP	150L
47	PK / PT - 1	300 - 9 PEF-P 150L			INCLUDE PCM cct.
49	PK / BT - 1			50 - 9 PEF-P	INCLUDE PCM cct.
50	LS / DM - 1 - 2 - 3 - 4	300 - 9 ASP 258L		600 - 9 ASP 600 - 9 ASP 450L	INCLUDE PCM cct. INCLUDE PCM cct. INCLUDE PCM cct.
	DM / TY - 1			300 - 9 ASP	300L
	DM / RS - 1	100 - 9 PEF-P	8L		INCLUDE PCM cct.
	RS / NWN - 1			100 - 9 PEF-P	INCLUDE PCM cct.
54	KC / BSN - 1 - 2	100 - 9 PEF-P		50 - 9 PEF-P	INCLUDE PCM cct. INCLUDE PCM cct.

SECTION	CABLE NAME	CLASSIFICATION OF CABLES				REMARK
		EXISTING	INCREASING UNTIL '84	INCREASING UNTIL '94		
55	TH/DK - 1	200 - 9 ASP			INCLUDE PCM cct.	
	- 2	600 - 9 ASP	260L		INCLUDE PCM cct.	
	- 3	600 - 9 ASP	400L			
	- 4		1200 - 65 ASP	700L	450L	
56	- 5		1800 - 5 ASP	700L	450L	
	- 6				600 - 9 ASP	
	- 7				600 - 9 ASP	
57	DK/EC - 1		600 - 9 ASP	450L		
	- 2				300 - 9 ASP	
58	DK/PD - 1	200 - 9 ASP			INCLUDE PCM cct.	
	DK/RB - 1		600 - 9 ASP	600L		
	- 2		600 - 9 ASP	200L	INCLUDE PCM cct.	
	- 3		900 - 65 ASP	300L	150L	
59	- 4				400 - 9 ASP	
	RB/PD - 1		600 - 9 ASP	478L	INCLUDE PCM cct.	
	- 2		600 - 65 ASP	200L		
60	- 3				400 - 9 ASP	
	PD/PP - 1		50 - 9 PEF-PAL		INCLUDE PCM cct.	
61	TH/CN - 1	1500 - 5 ASP			100L	
	- 2				600 - 65 ASP	
62	TH/BC - 1	600 - 9 ASP				
	- 2	600 - 9 ASP				
	- 3	1800 - 5 ASP			150L	
	- 4				150L	
63	BC/PC - 1	1200 - 65 ASP			250L	
	TH/MK - 1	200 - 9 ASP			INCLUDE PCM cct.	
64	MK/NK - 1	200 - 9 ASP			INCLUDE PCM cct.	
	- 2		100 - 9 ASP		INCLUDE PCM cct.	

SECTION	CABLE NAME	CLASSIFICATION OF CABLES			REMARK
		EXISTING	INCREASING UNTIL '84	INCREASING UNTIL '94	
67	PN/CP-1	600-65 ASP	500L		
	" -2	600-9 ASP	500L		
	" -3	1200-65 ASP	1200L		
	" -4	1800-5 ASP	150L		
	PN/HM-1	1200-65 ASP	1000L		
68	" -2			600-65 ASP	500L
	HM/KC-1	1200-65 ASP	600L		
69	" -2	600-9 ASP	600L		
	" -3			600-9 ASP	400L
	" -4				600-9 ASP
	" -5				300-9 ASP
	CP/HM-1	150-65 ASP	150L		
70	" -2			150-65 ASP	
	PN/ON-1		500L		INCLUDE PCM cct.
71	" -2			600-9 ASP	350L
	ON/PV-1			150-9 PEF-P	
72	PV/LB-1			100-9 PEF-P	
	PN/BN/PS	600/300-9 ASP	176L		INCLUDE PCM cct.
73	PN/BN-1	600-65 ASP	500L		
	" -2	1200-65 ASP	500L		
	" -3	1200-5 ASP	800L		
	PN/BN/PS	600/300-9 ASP	300L		
	PN/BN-4			600-9 ASP	350L
74	" -5				100L
	" -6				1200-65 ASP
	BN/PS-1	1200-65 ASP	500L		1000L
75	" -2	600-9 ASP	500L		400-9 ASP
	" -3				400-9 ASP
	BN/PS				
	BN/PS-1	1200-65 ASP	500L		
76	" -2	600-9 ASP	500L		
	" -3				600-9 ASP
77	" -4				300-9 ASP
	BN/BPL-1			50-9 PEF-P	
78	PS/SPK-1	100-9 PEF-P			INCLUDE PCM cct.
	" -2	600-9 ASP	200L		INCLUDE PCM cct.







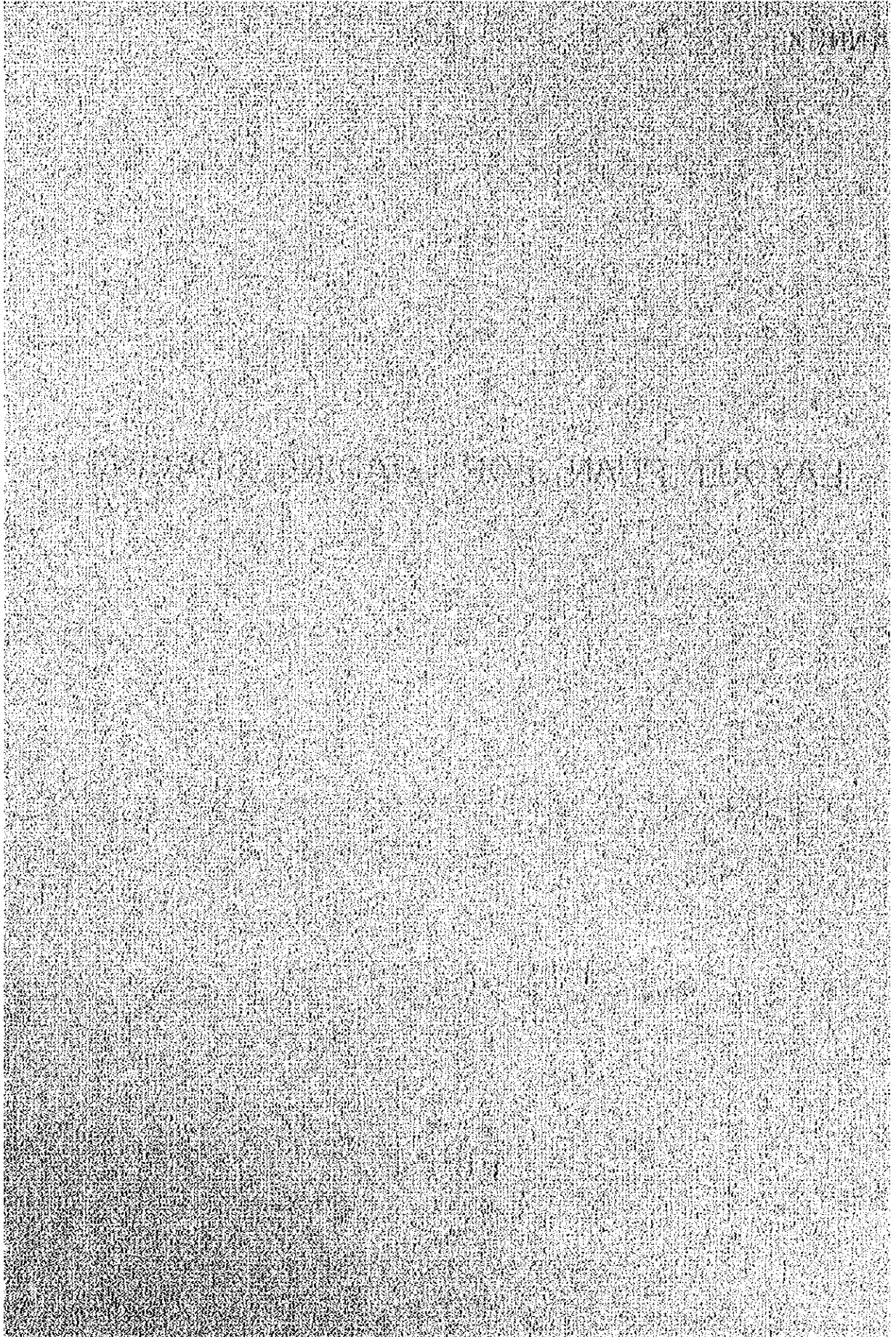
ANNEX

C

LAYOUT PLAN FOR LOADING SPACING

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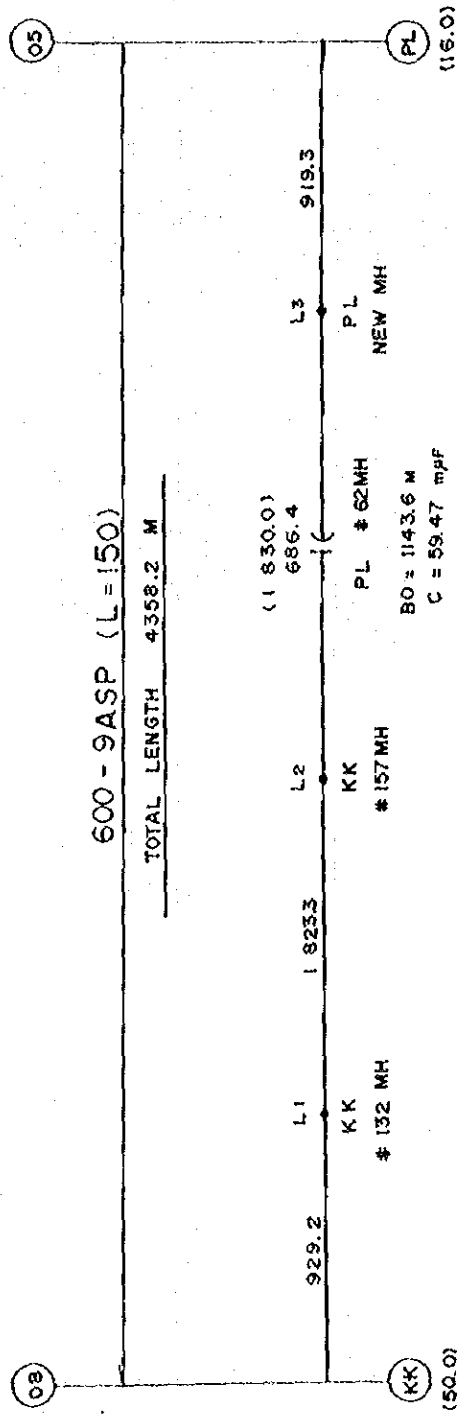


LAY OUT PLAN FOR LOADING SPACING  
TABLE OF CONTENTS

NO OF INDEX	SECTION	CABLE	REMARK	NO OF INDEX	SECTION	CABLE	REMARK
1	KK - PL	600 - 9ASP	150L	21	BK - LS	900 - 65ASP 600 - 9ASP	450L 600L
2	PY - SW	600 - 9PEF-P	150L	22	LS-RID-BSN	300-9PEF-P 300-9PEF-P	150L 100L
3	PY - SW	600 - 9ASP	600L	23	LS - RID	600 - 9ASP 600 - 9ASP	400L 500L
4	PY - PL	600 - 9ASP	300L	24	BSN- NC	50-65PEF-P	8L
5	SW - TH	600 - 9PEF-P	250L	25	LS - CW	900 - 5ASP	450L
6	TH - SR	1500/1800-5ASP	200L	26	LS-PK-PT	300-9PEF-P	150 +50 L
7	PY - SR	1200 - 65ASP	600L	27	LS - DM	600 - 9ASP	450L
8	PY - LP1	600 - 9ASP	350L	28	DM - RS	100-9PEF-P	8L
9	LP1 - LP2	600 - 9ASP	200L	29	RS - NWN	100-65PEF-P	8L
10	PY - NW	600 - 9ASP	550L(400+150L)	30	TH - DK	1200 - 65ASP 1800 - 5ASP	700L 700L
11	PY - BK	1200 - 65ASP	700L	31	DK - EC	600 - 9ASP 600 - 9ASP 600 - 9ASP	450L 600L 200L
12	LP1 - BK	400 - 9ASP	200L	32	DK - RB	900 - 65ASP 300L	300L
13	BS - NN - NW	300 - 9ASP	290L	33	RB - PD	600 - 9ASP 600 - 65ASP	500L 200L
14	PL - MM	600 - 9ASP	550L	34	TH - MK - NK	200 - 9ASP	200L
15	MM - SV	300 - 9ASP	300L	35	PN - CP	600 - 9ASP	300L
16	MM - SV	600/900-65ASP	600L	36	KC - HM	600 - 9ASP	400L
17	MM - KT	600 - 9ASP 1200 - 65ASP	300L 550L	37	PN - ON	600 - 9ASP	500L
18	ASD-CP-PN	600-9PEF-P 600-9PEF-P	200+100L 200L	38	PN - BN	600 - 9ASP	350L
19	PL - SV - CP	1200 - 65ASP 1500 - 5ASP	1200L 900L	39	KK - SR	1200 - 5ASP	100L
20	BK - NW	600 - 9ASP	400L				



KKEX ~ PLEX

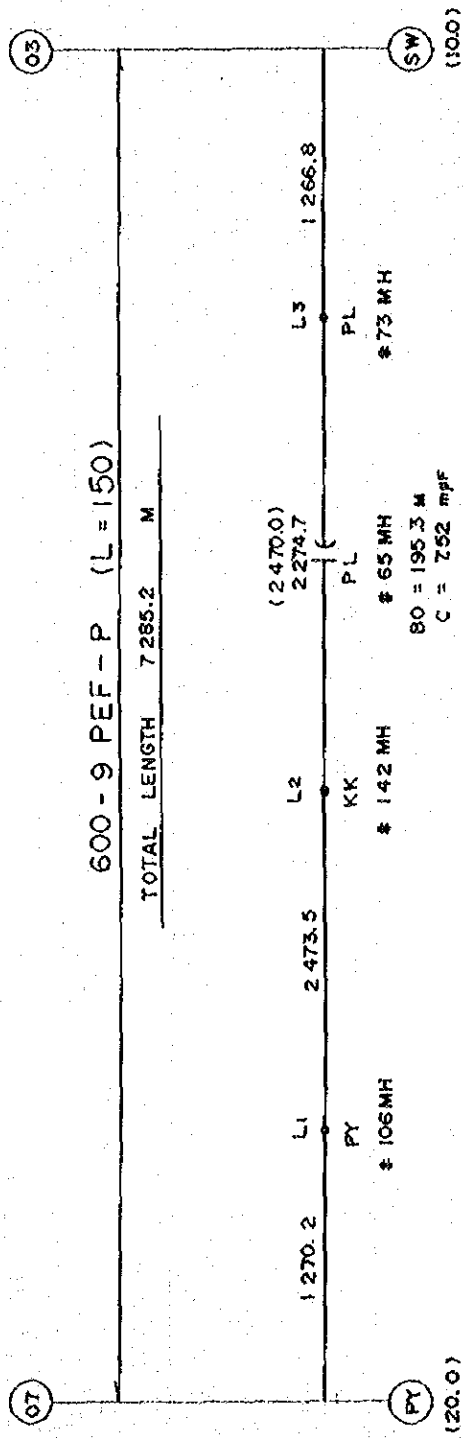


$$S = 1826.7$$

$$\frac{S - S_0}{S_0} \times 100 = 0.18 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.18 \%$$

PY EX ~ SW EX

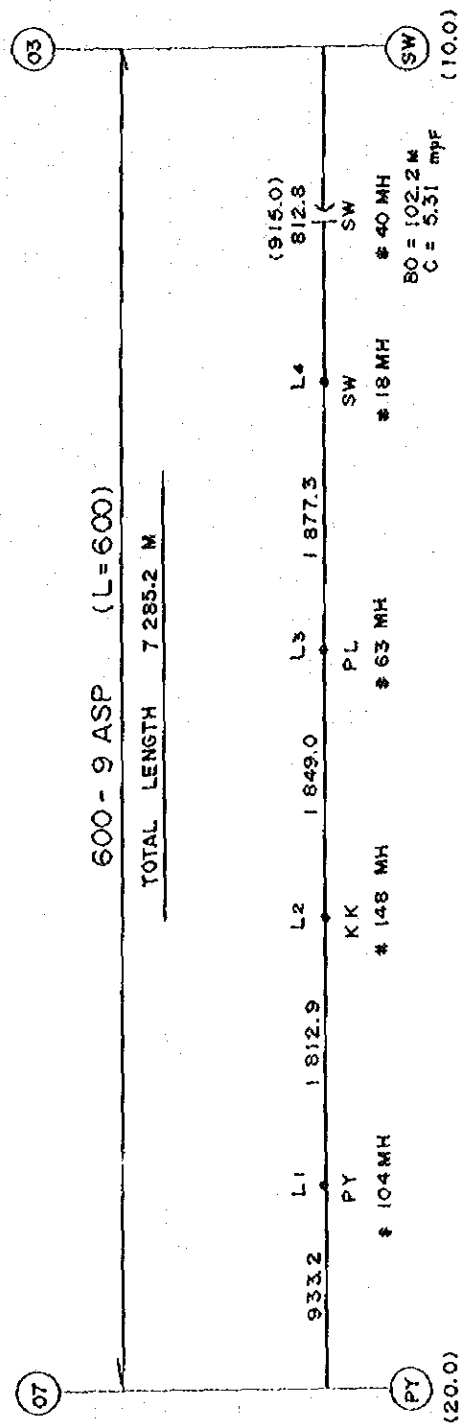


$$S = 2471.9$$

$$\frac{S - S_0}{S_0} \times 100 = 0.07 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.07 \%$$

PY EX ~ SW EX

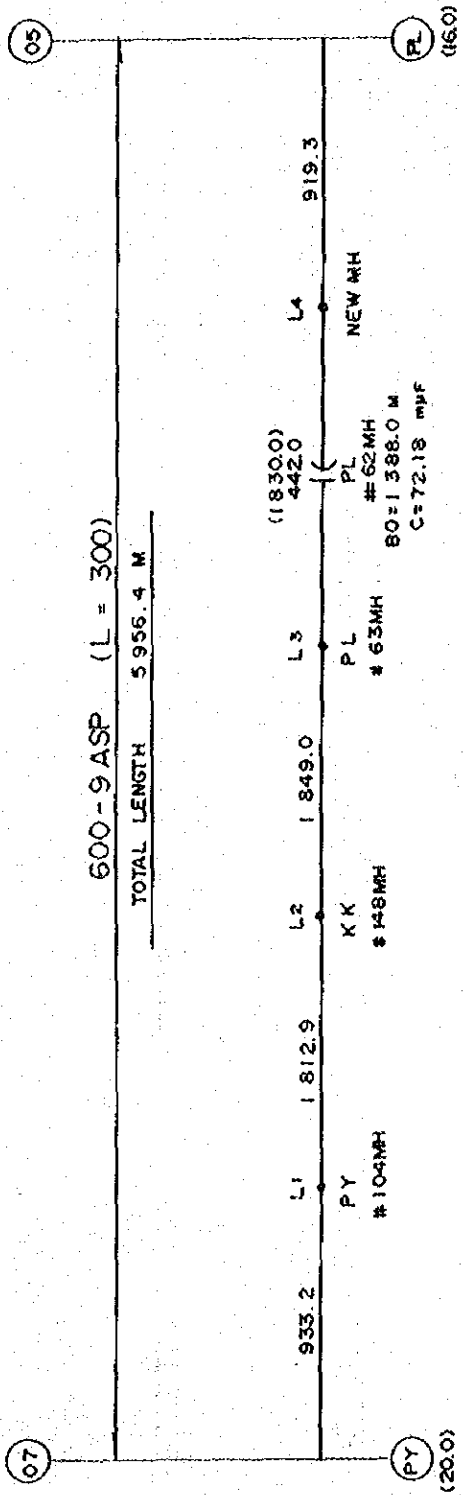


$$S = 1846.4$$

$$\frac{S - S_0}{S_0} \times 100 = 0.90 \%$$

$$\frac{S - S_1}{S} \times 100 = 1.67 \%$$

PY EX ~ PL EX



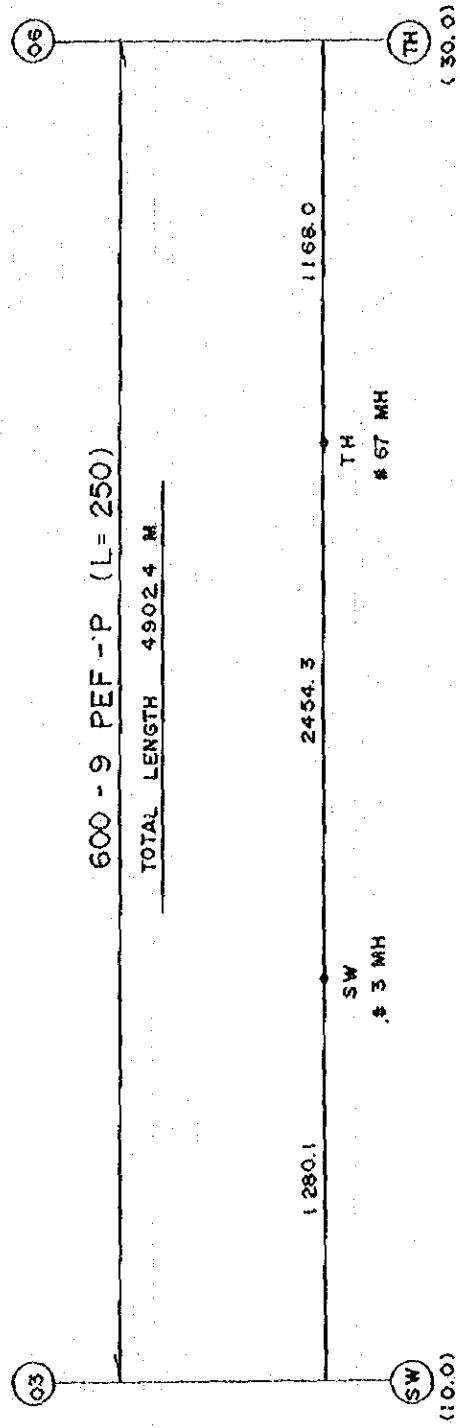
$$S = 1830.6$$

$$\frac{S - S_0}{S_0} \times 100 = 0.03 \%$$

$$\frac{S - S_1}{S} \times 100 = 1.01 \%$$



SWEX ~ THEX



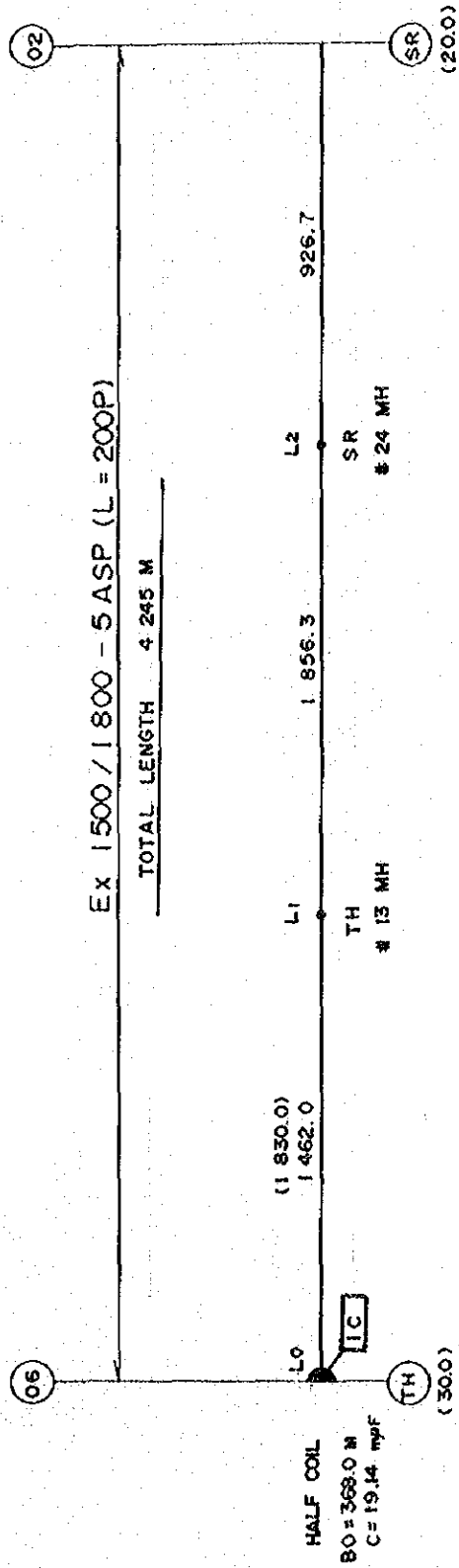
600 - 9 PEF - P (L = 250)  
 TOTAL LENGTH 4902.4 M

$$S = 2454.3$$

$$\frac{S - S_0}{S_0} \times 100 = 0.64 \%$$

$$\frac{S - S_1}{S} \times 100 = 0 \%$$

TH EX ~ SR EX

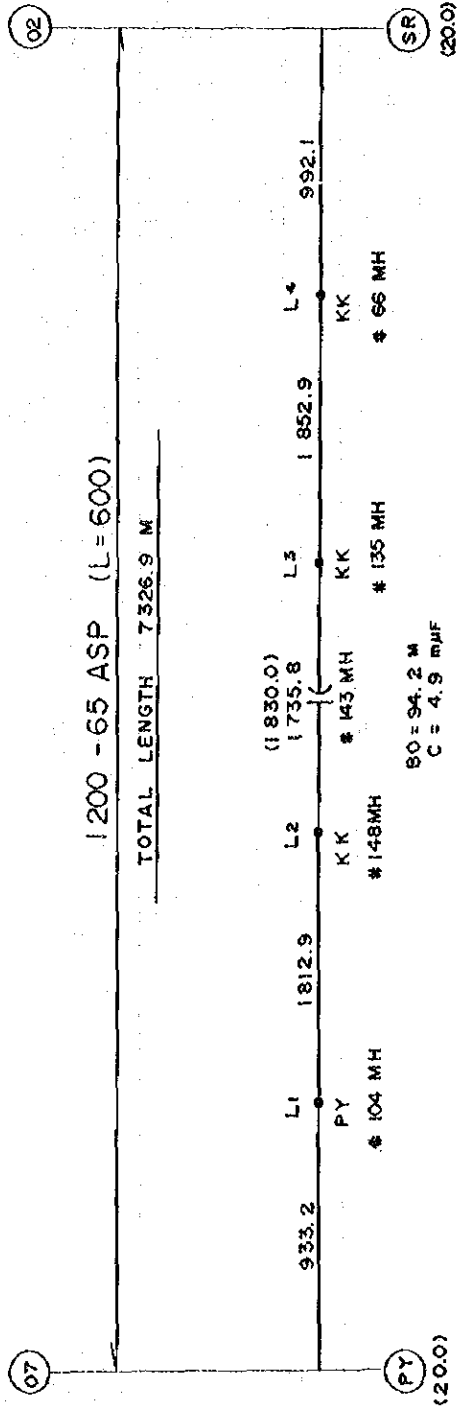


$$S = 1\ 843.2$$

$$\frac{S - S_0}{S_0} \times 100 = 0.72 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.71 \%$$

PYEX ~ SR EX

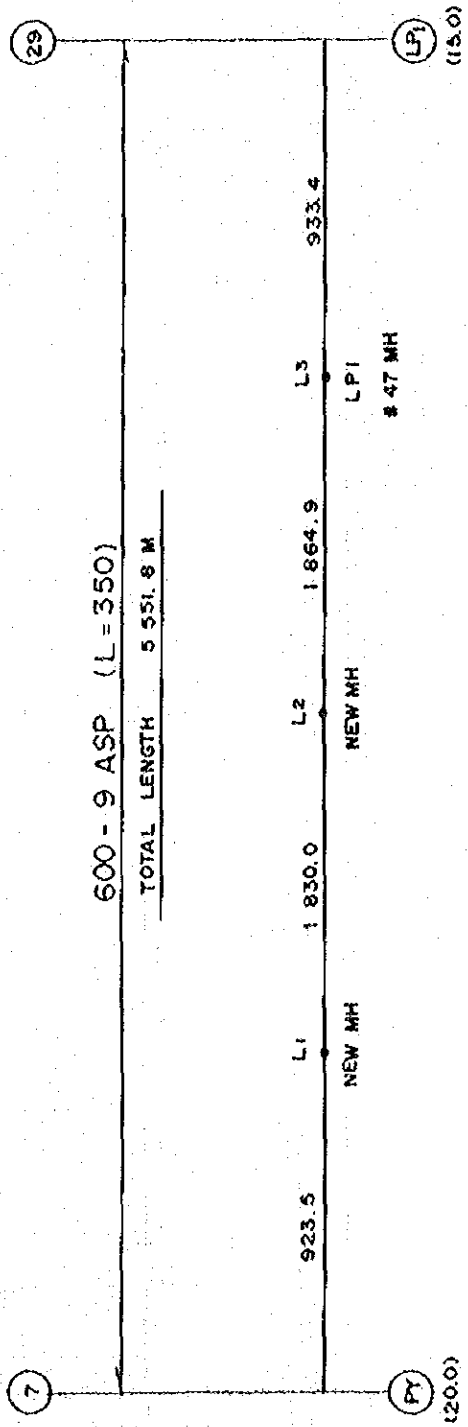


$$S = 1831.9$$

$$\frac{S - S_0}{S_0} \times 100 = 0.10 \%$$

$$\frac{S - S_1}{S} \times 100 = 1.15 \%$$

PYEX ~ LPI:EX

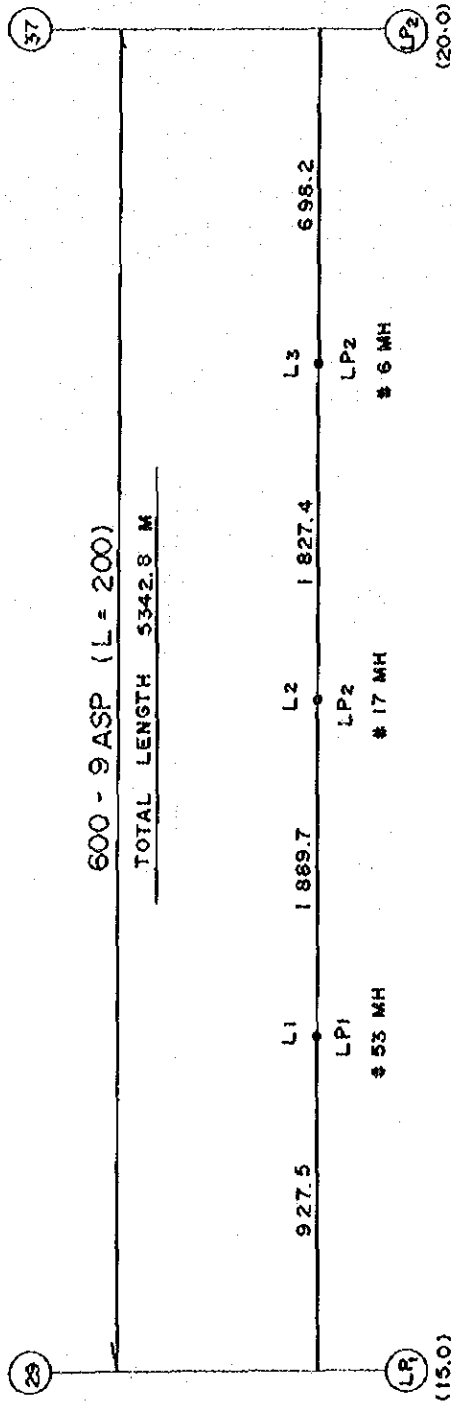


$$S = 1847.5$$

$$\frac{S - S_0}{S_0} \times 100 = 0.96 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.94 \%$$

LPI EX ~ LP2 EX

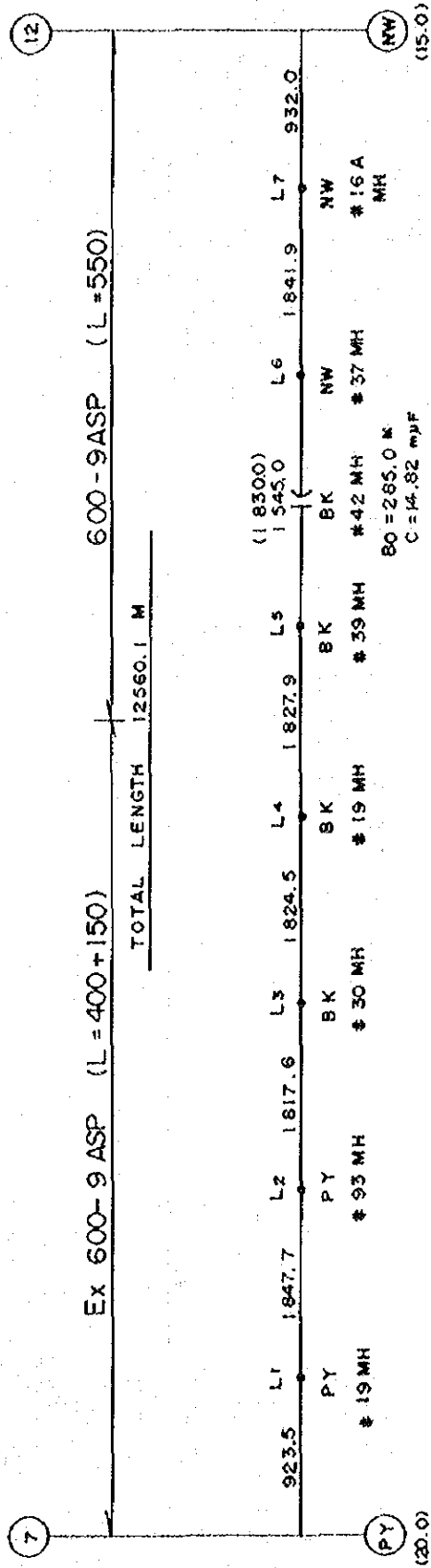


$$S = 1858.6$$

$$\frac{S - 50}{50} \times 100 = 1.56 \%$$

$$\frac{S - S_i}{S} \times 100 = 1.67 \%$$

PY EX ~ NW EX

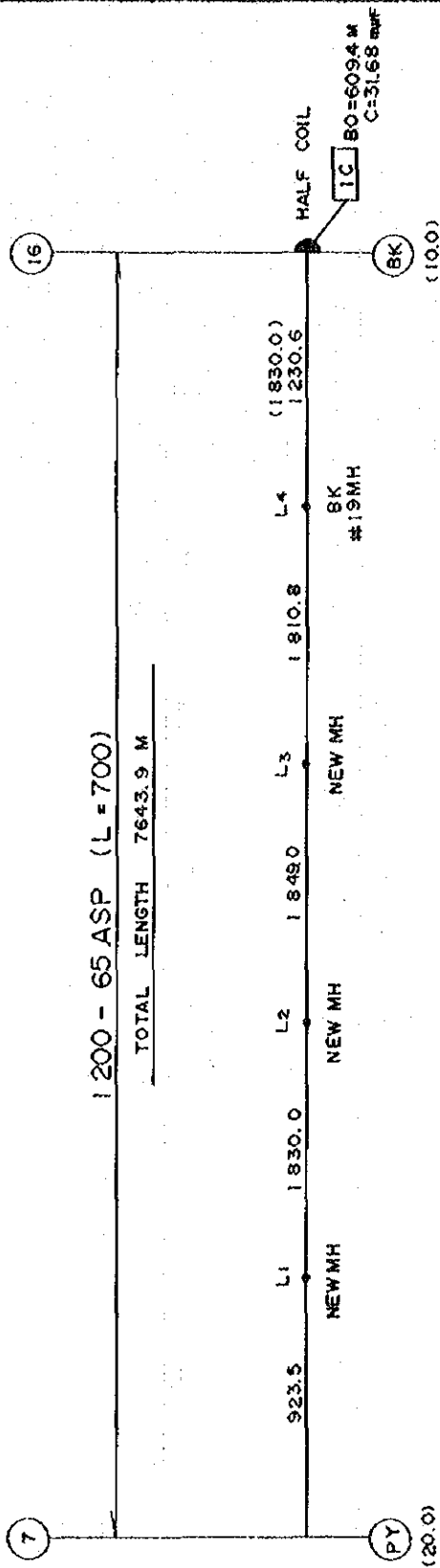


$$S = 1831.6$$

$$\frac{S - S_0}{S_0} \times 100 = 0.09\%$$

$$\frac{S - S_1}{S} \times 100 = 1.31\%$$

PY EX ~ BK EX

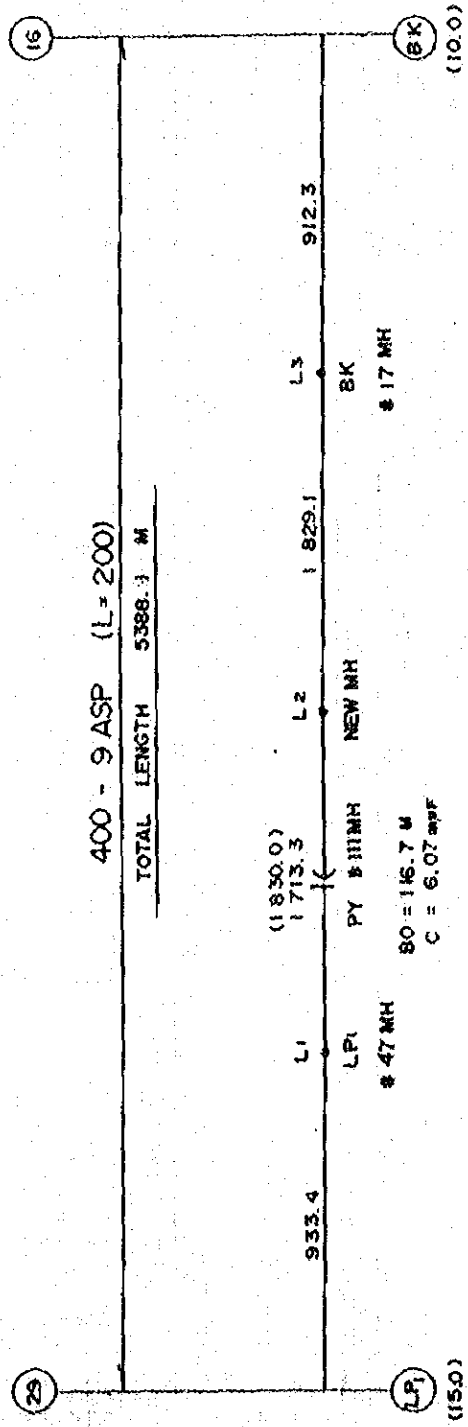


$$S = 1830.0$$

$$\frac{S - S_0}{S_0} \times 100 = 0 \quad \%$$

$$\frac{S - S_1}{S} \times 100 = 1.05 \quad \%$$

LPI EX ~ BK EX



400 - 9 ASP (L=200)  
TOTAL LENGTH 5386.3 M

(1830.0)  
1713.3  
PY #111MH  
NEW MH  
80 = 146.7 M  
C = 6.07 mPF

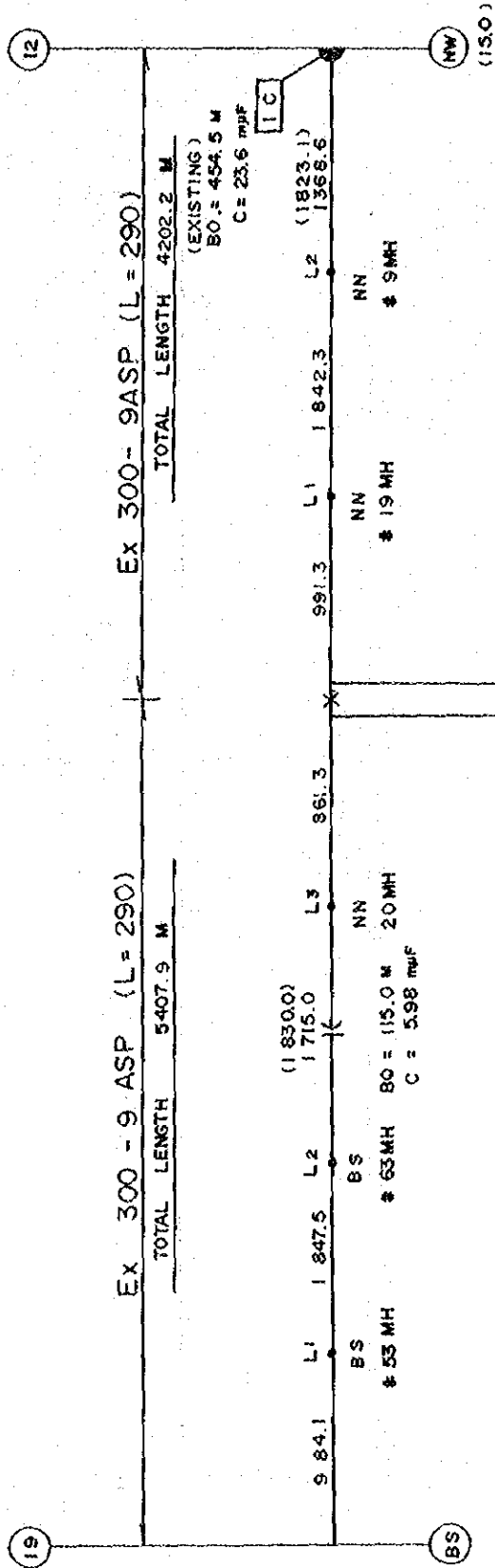
$$S = 1829.6$$

$$\frac{S - S_0}{S_0} \times 100 = 0.02 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.03 \%$$



BS EX ~ NN EX ~ NW EX



Ex 300 - 9 ASP (L = 290)

TOTAL LENGTH 5407.9 M

Ex 300 - 9ASP (L = 290)

TOTAL LENGTH 4202.2 M

(EXISTING)  
BO = 454.5 M  
C = 23.6 mμF

(1830.0)

1715.0

(1823.1)

1366.6

BS  
# 53 MH  
# 63MH  
BO = 115.0 M  
C = 5.98 mμF

NN  
# 19 MH

NN  
# 9MH

$$\frac{S}{S} = \frac{1838.6}{1832.7} \times 100 = 100.37\% \quad (BS \sim NN)$$

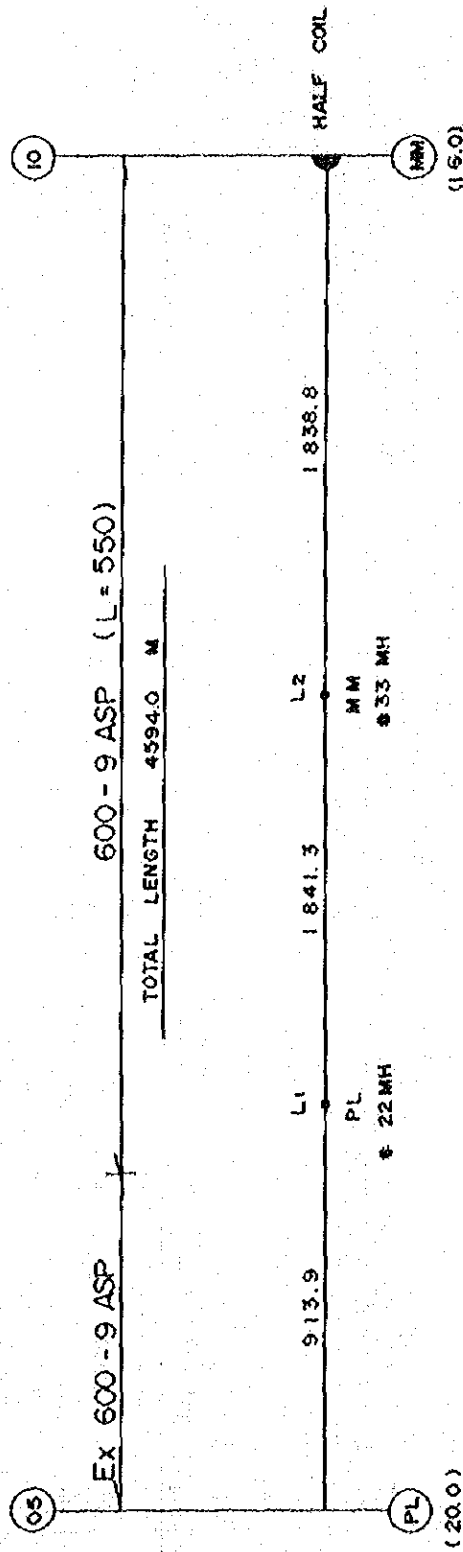
$$\frac{S - S_0}{S_0} \times 100 = 0.48\% \quad (BS \sim NN)$$

$$= 0.15\% \quad (NN \sim NW)$$

$$\frac{S - S_1}{S} \times 100 = 0.47\% \quad (BS \sim NN)$$

$$= 0.52\% \quad (NN \sim NW)$$

PLEX ~ MM EX

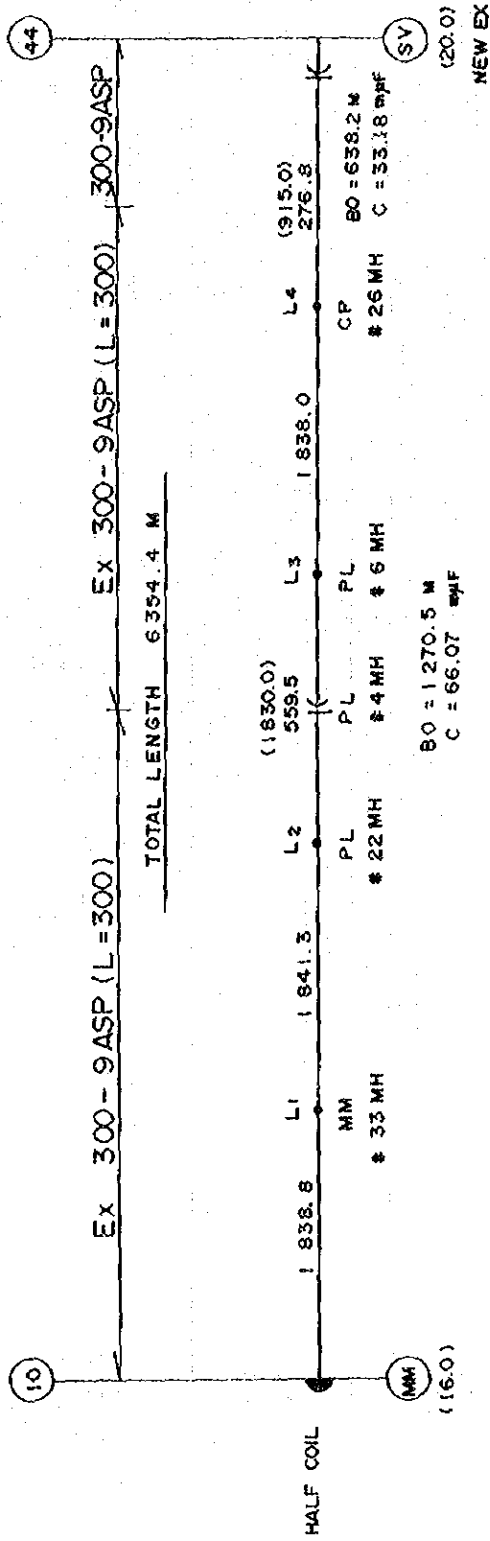


$$S = 1840.1$$

$$\frac{S - S_0}{S_0} \times 100 = 0.55 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.07 \%$$

MM EX ~ SV EX

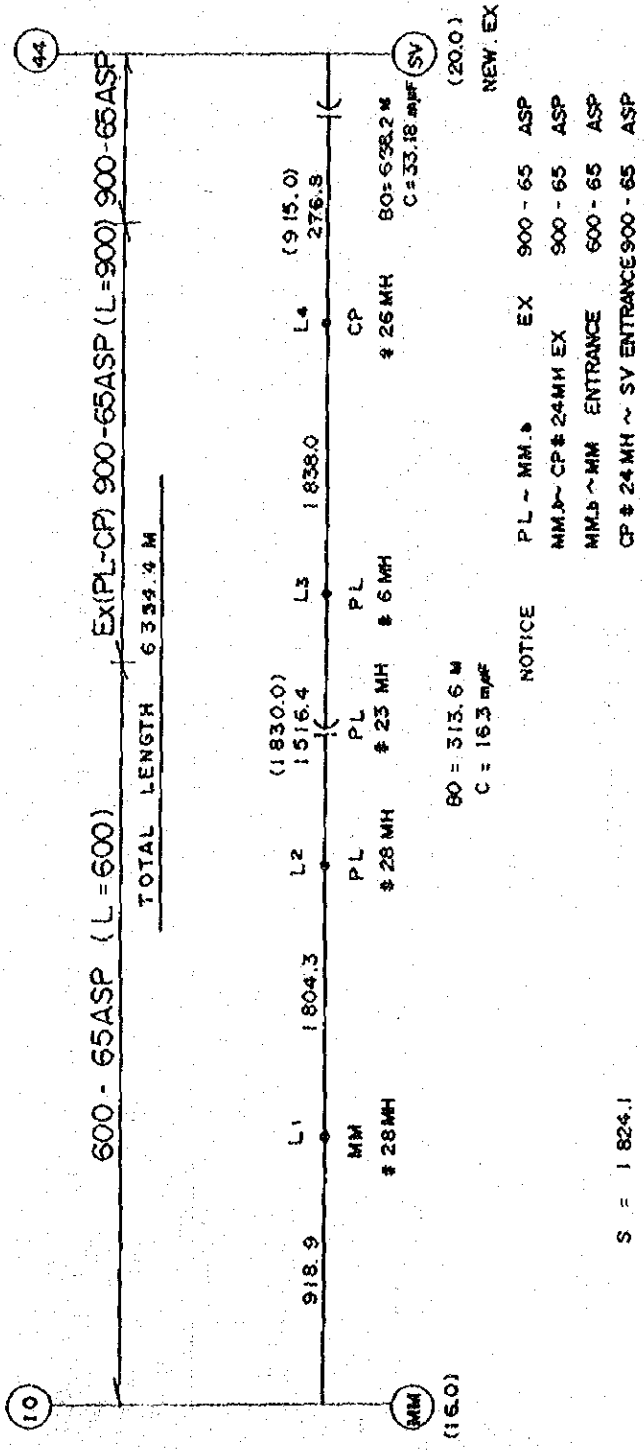


$$S = 1837.0$$

$$\frac{S - S_0}{S_0} \times 100 = 0.38 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.23 \%$$

PL  
MMEX ~ SVEX (MM ~ MM.b)



BO = 313.6 M  
C = 16.3 m/yr

NOTICE

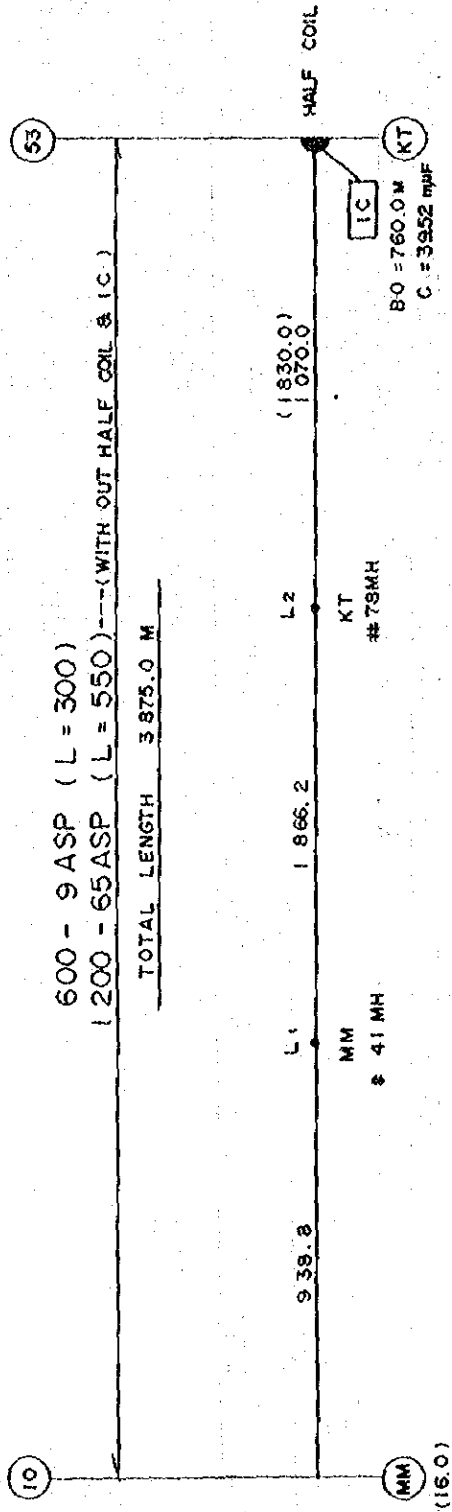
PL ~ MM.b EX 900 - 65 ASP  
MM.b ~ CP # 24MH EX 900 - 65 ASP  
MM.b ~ MM ENTRANCE 600 - 65 ASP  
CP # 24MH ~ SV ENTRANCE 900 - 65 ASP

S = 1.82%

$$\frac{S - S_0}{S_0} \times 100 = 0.32 \%$$

$$\frac{S - S_1}{S} \times 100 = 1.09 \%$$

MMEX ~ KTEX

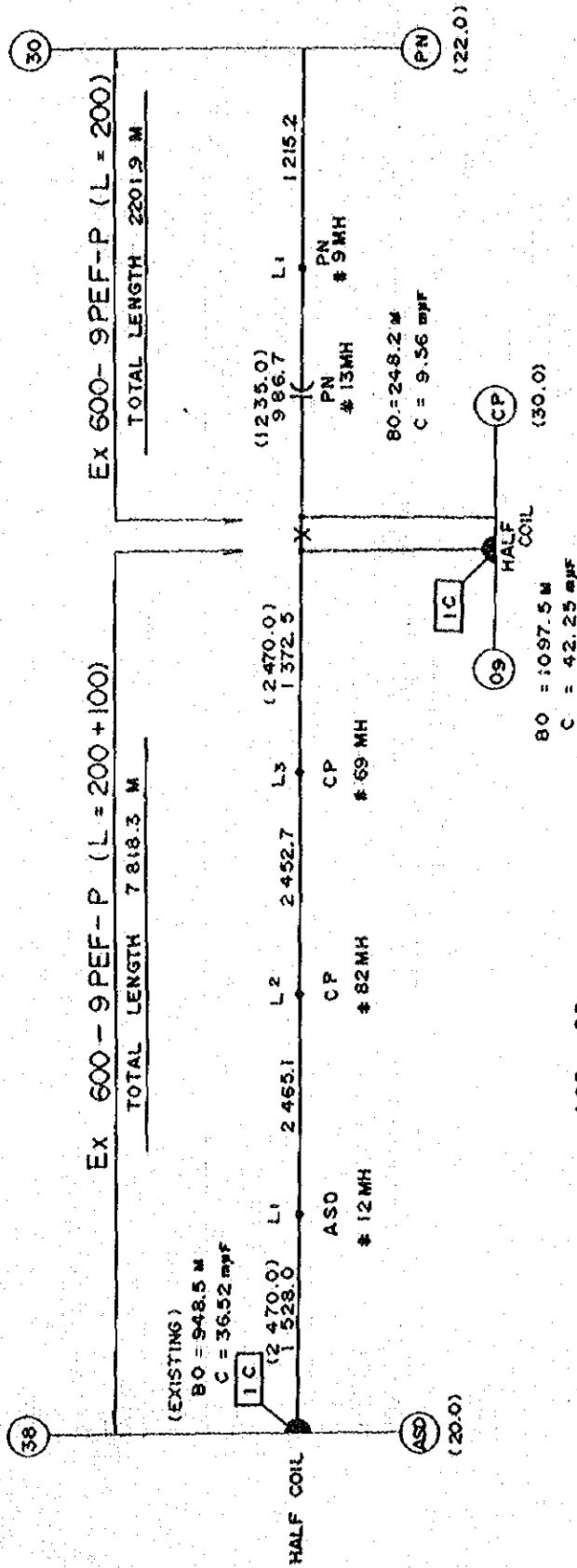


$$S = 1848.1$$

$$\frac{S - S_0}{S_0} \times 100 = 0.98 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.98 \%$$

ASDEX ~ CPEX ~ PNEX

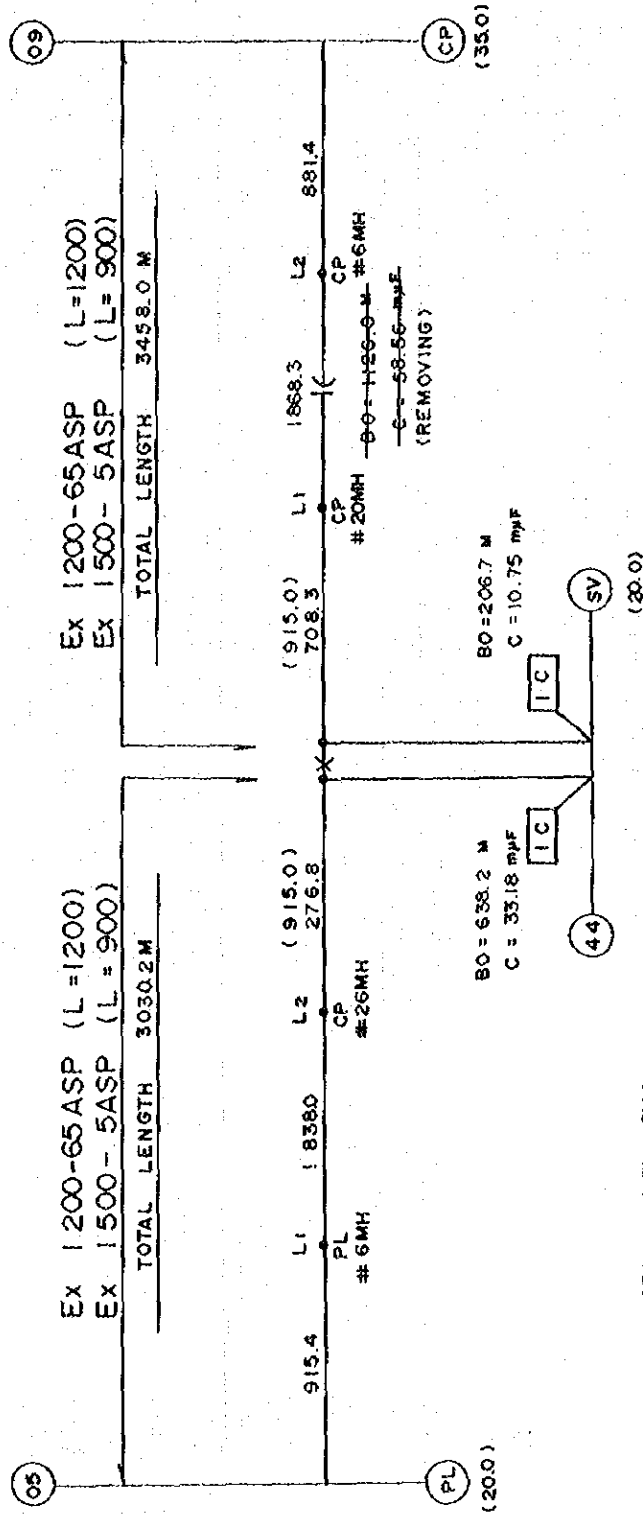


ASD ~ CP  
S = 2464.5

$$\frac{S - S_0}{S_0} \times 100 = 0.22\%$$

$$\frac{S - S_1}{S} \times 100 = 0.48\%$$

PLEX ~ SVEX ~ CPEX



$$S = 1838.0 \quad (PL \sim SV)$$

$$1845.4 \quad (PL \sim CP)$$

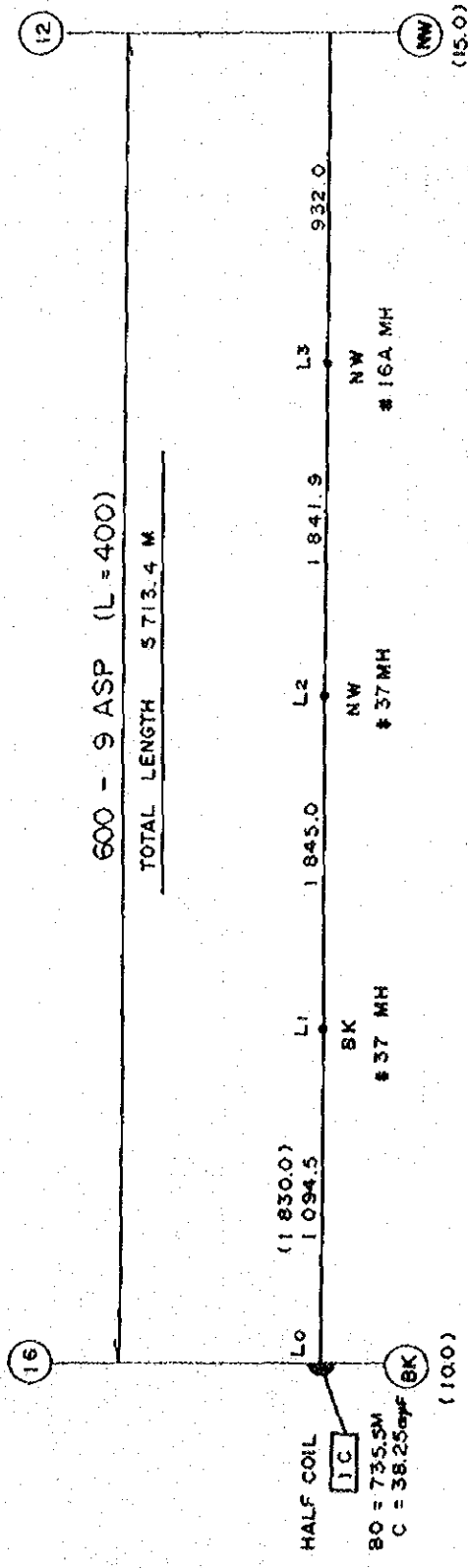
$$\frac{S - S_0}{S_0} \times 100 = 0.44\% \quad (PL \sim SV)$$

$$0.84\% \quad (PL \sim CP)$$

$$\frac{S - S_1}{S} \times 100 = 0\% \quad (PL \sim SV)$$

$$1.24\% \quad (PL \sim CP)$$

BK EX ~ NW EX



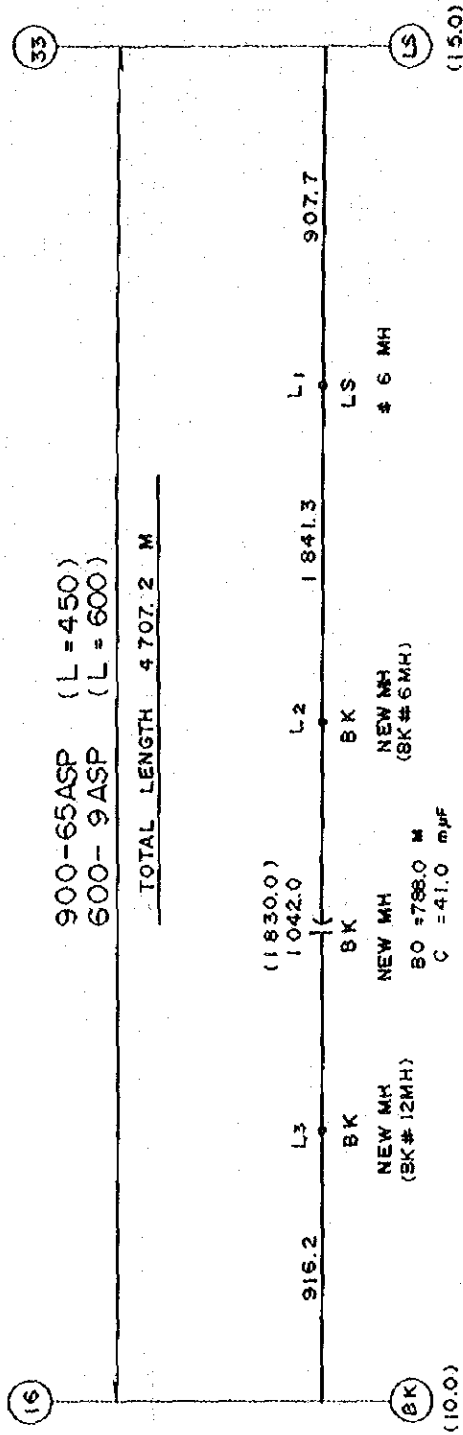
$$S = 1639.0$$

$$\frac{S - S_0}{S_0} \times 100 = 0.49 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.33 \%$$



BK EX ~ LSEX



900-65ASP (L = 450)  
600-9ASP (L = 600)

TOTAL LENGTH 4707.2 M

(1830.0)  
1042.0  
BK  
NEW MH  
BO = 786.0 M  
C = 41.0 m $\mu$ F

BK  
NEW MH  
(BK# 6MH)

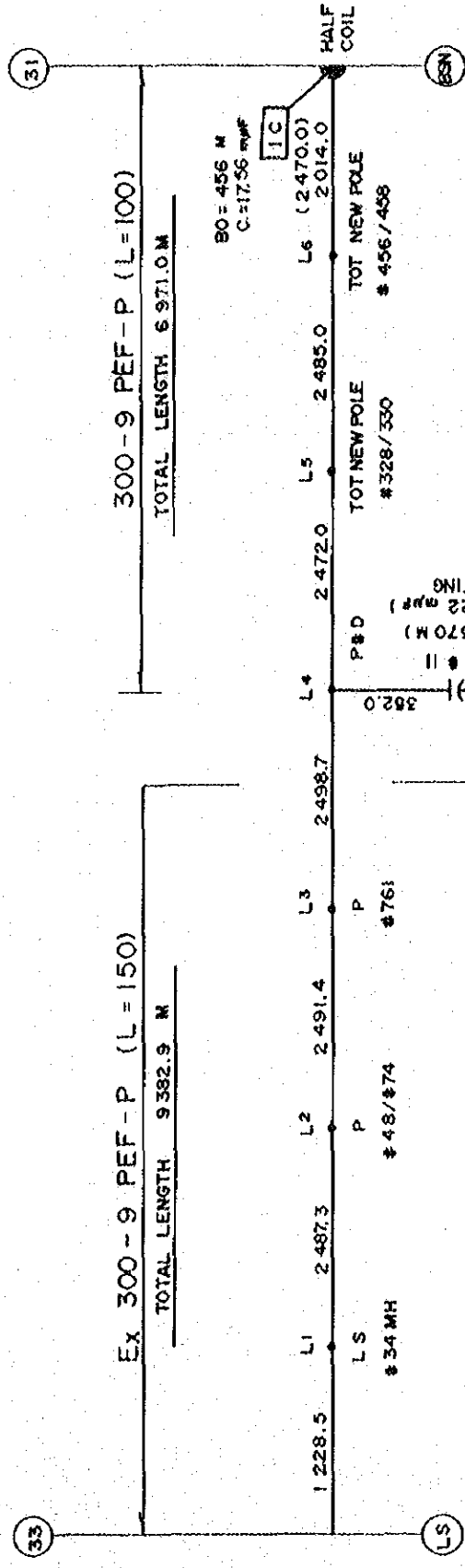
LS  
# 6 MH

$$S = 1855.7$$

$$\frac{S - S_0}{S_0} \times 100 = 0.31 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.31 \%$$

LS EX ~ RID EX ~ BSN EX



Ex 300-9 PEF-P (L=150)

TOTAL LENGTH 9382.9 M

300-9 PEF-P (L=100)

TOTAL LENGTH 6971.0 M

BO = 456 M  
C = 17.56 mF

IC

HALF COIL

L6 (2470.0)

L5 2485.0

L4 2472.0

L3 2498.7

L2 2491.4

L1 2487.3

L6 (2470.0)

L5 2485.0

L4 2472.0

L3 2498.7

L2 2491.4

L1 2487.3

L6 (2470.0)

L5 2485.0

L4 2472.0

L3 2498.7

L2 2491.4

L1 2487.3

L6 (2470.0)

L5 2485.0

L4 2472.0

L3 2498.7

L2 2491.4

L1 2487.3

L6 (2470.0)

TOT NEW POLE # 456/498

TOT NEW POLE # 328/330

P&D (BO = 870 M) (C = 22 mF) EXISTING

P #76i

P #48/\$74

LS #34 MH

P #328/330

P #456/498

(25.0)

S = 2484.1 (LS~BSN)  
2492.5 (LS~RID)  
2475.7 (RID~BSN)

$$\frac{S - S_0}{S_0} \times 100 = 0.57\% \text{ (LS~BSN)}$$

$$0.91\% \text{ (LS~RID)}$$

$$0.23\% \text{ (RID~BSN)}$$

$$\frac{S - S_1}{S} \times 100 = 0.59\% \text{ (LS~BSN)}$$

$$0.25\% \text{ (LS~RID)}$$

$$0.38\% \text{ (RID~BSN)}$$

RID

36

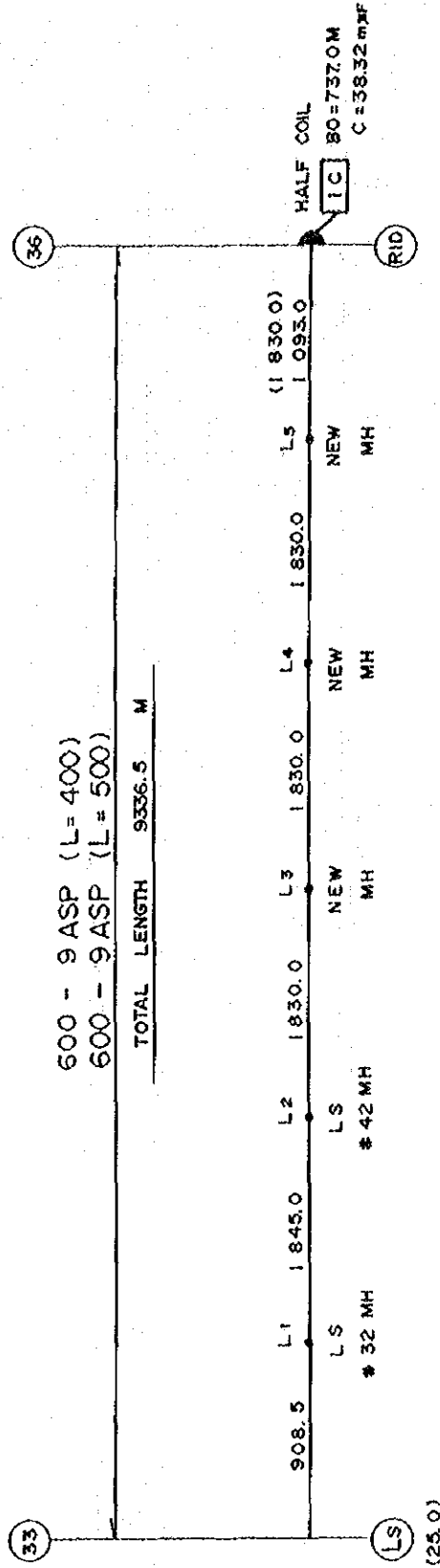
33

31

BSN

LS

LSEX ~ RID EX



600 - 9 ASP (L=400)  
 600 - 9 ASP (L=500)

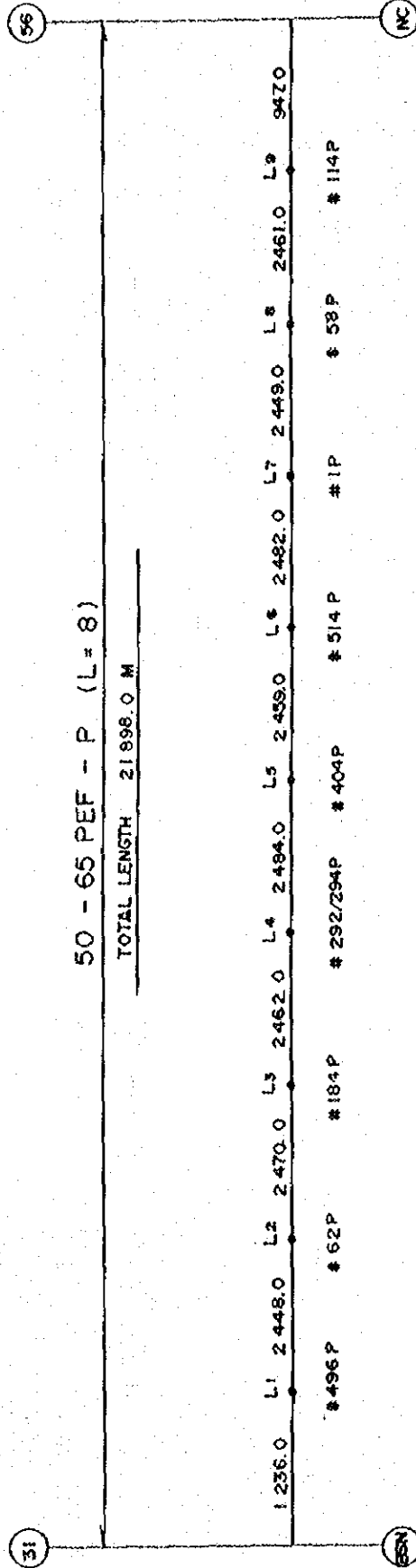
TOTAL LENGTH 9336.5 M

$$S = 1833.0$$

$$\frac{S - S_0}{S_0} \times 100 = 0.16 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.65 \%$$

BSN EX ~ NCEX

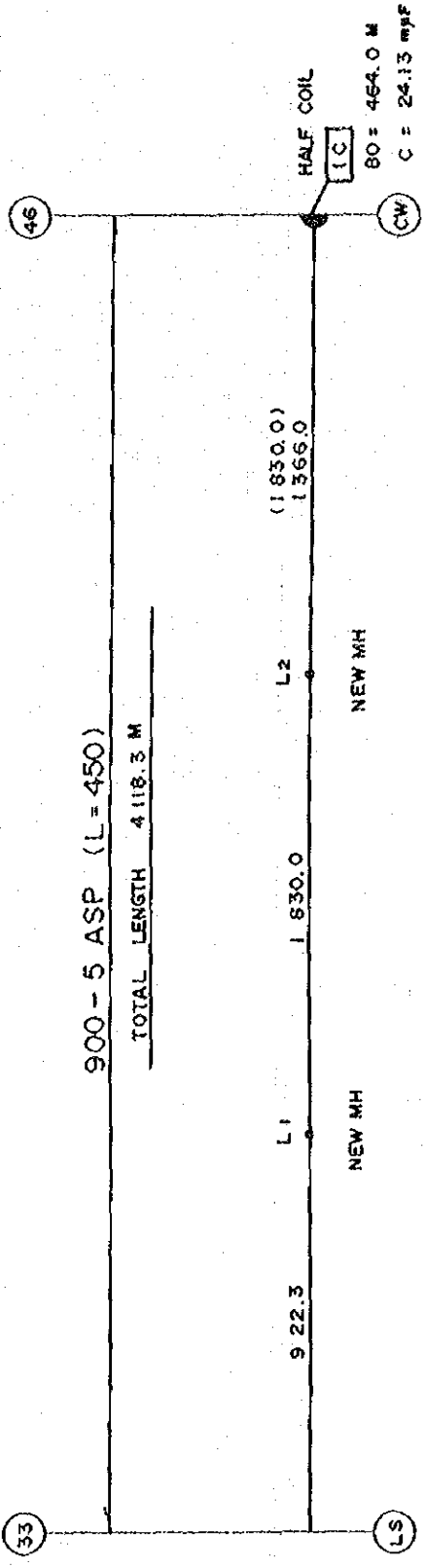


$$S = 2464.4$$

$$\frac{S - S_0}{S_0} \times 100 = 0.23 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.67 \%$$

LS EX ~ CW EX

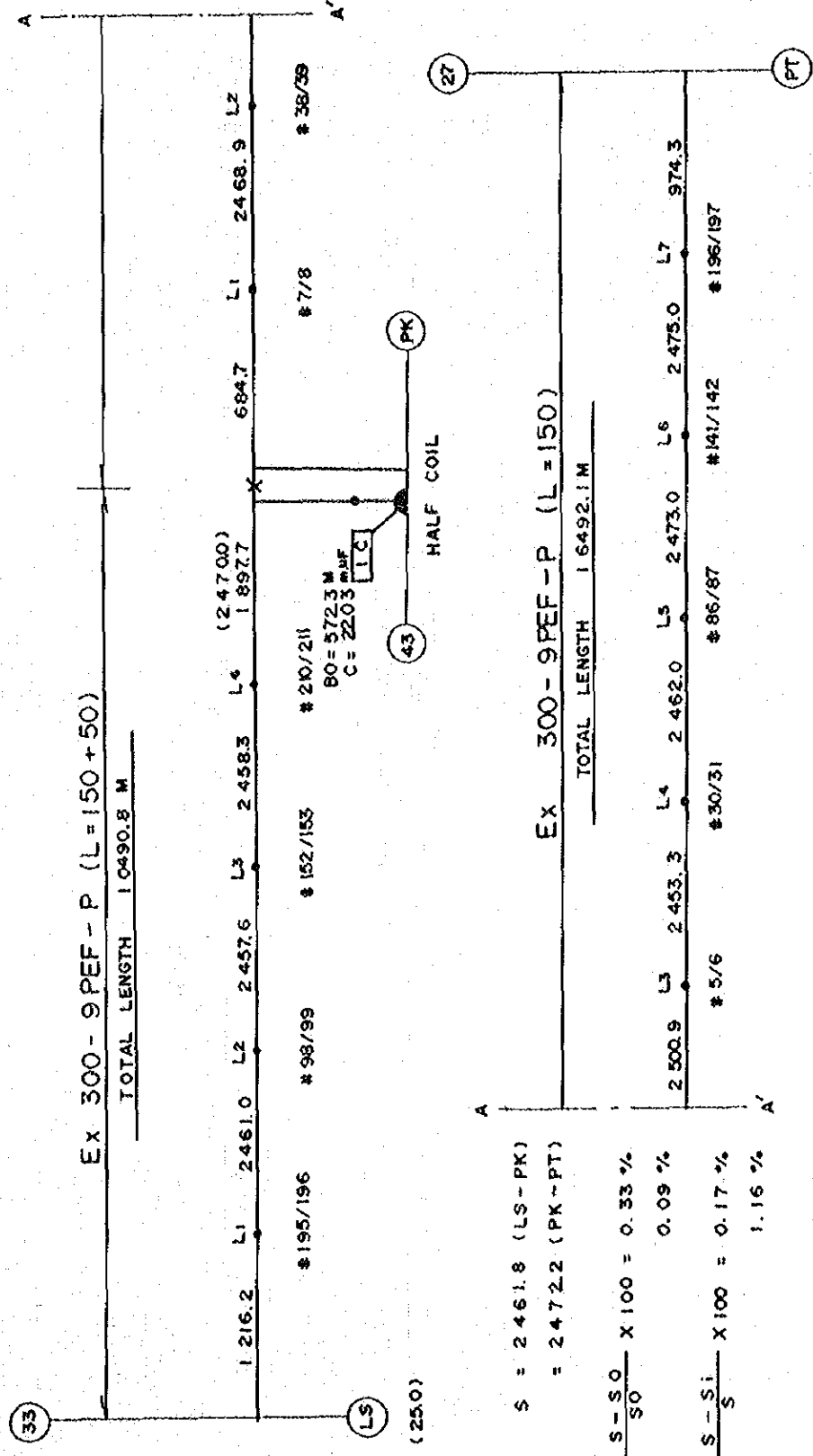


$$S = 1830$$

$$\frac{S - S_0}{S_0} \times 100 = 0 \%$$

$$\frac{S - S_i}{S} \times 100 = 0 \%$$

LS EX ~ PK EX ~ PT EX



Ex 300 - 9PEF - P (L = 150 + 50)

TOTAL LENGTH 1 0490.8 M

Ex 300 - 9PEF - P (L = 150)

TOTAL LENGTH 1 6492.1 M

$$S = 2461.8 \text{ (LS-PK)}$$

$$= 2472.2 \text{ (PK-PT)}$$

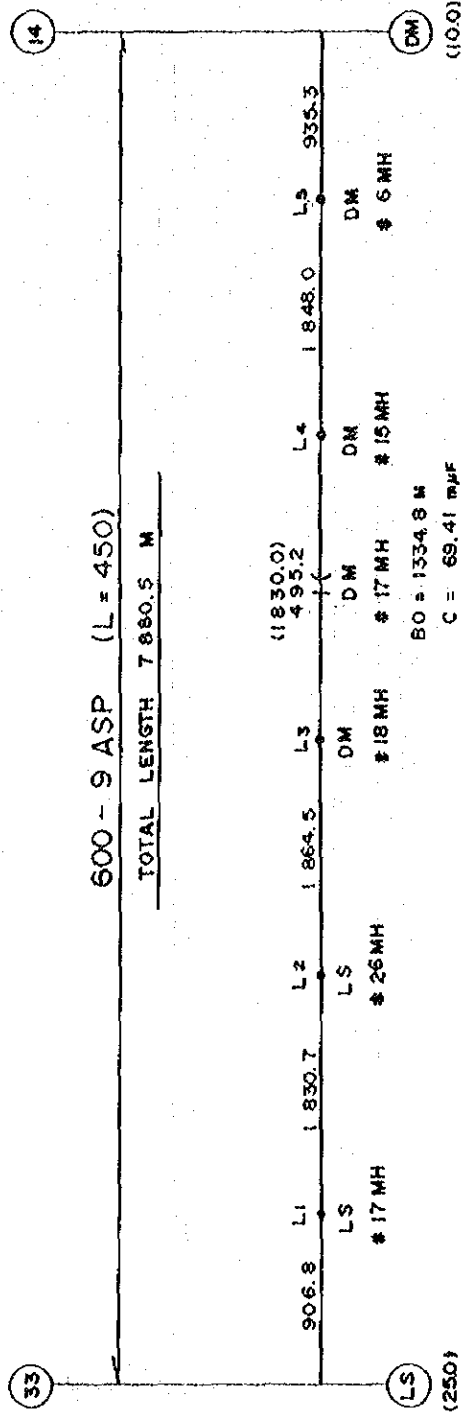
$$\frac{S-S_0}{S_0} \times 100 = 0.33\%$$

$$0.09\%$$

$$\frac{S-S_1}{S} \times 100 = 0.17\%$$

$$1.16\%$$

LS EX ~ DM EX

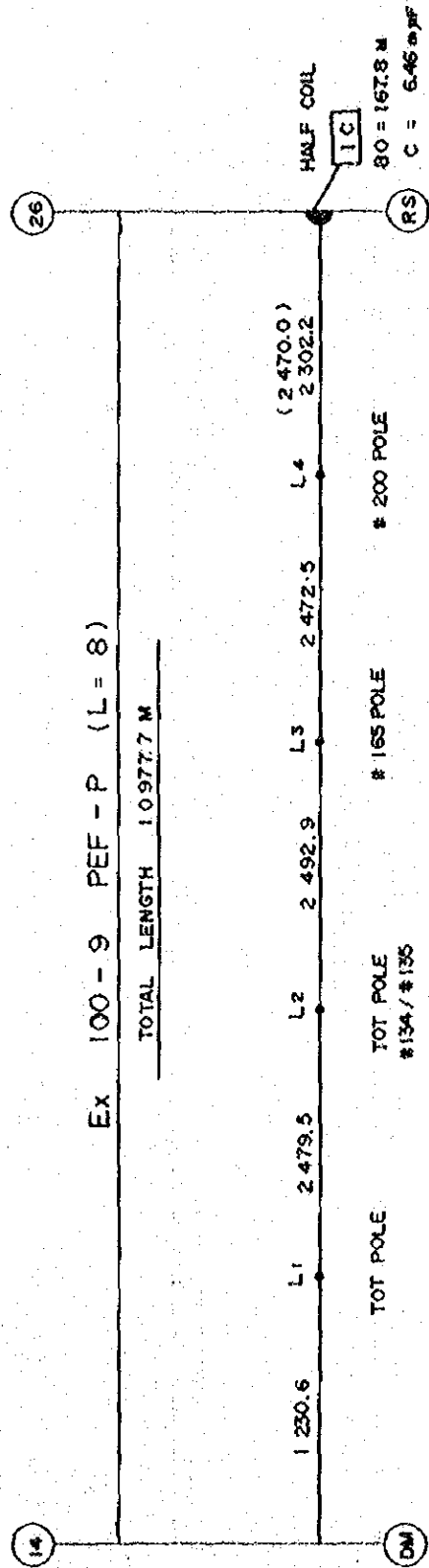


$$S = 1843.3$$

$$\frac{S - S_0}{S_0} \times 100 = 0.73 \%$$

$$\frac{S - S_1}{S} \times 100 = 1.15 \%$$

DM EX ~ RSEX



Ex 100-9 PEF-P (L=8)

TOTAL LENGTH 1.0977.7 M

(2.470.0)

TOT POLE # 200 POLE  
# 165 POLE  
TOT POLE #134 / #136  
TOT POLE

HALF COIL  
IC  
80 = 167.8 M  
C = 6.46 mF

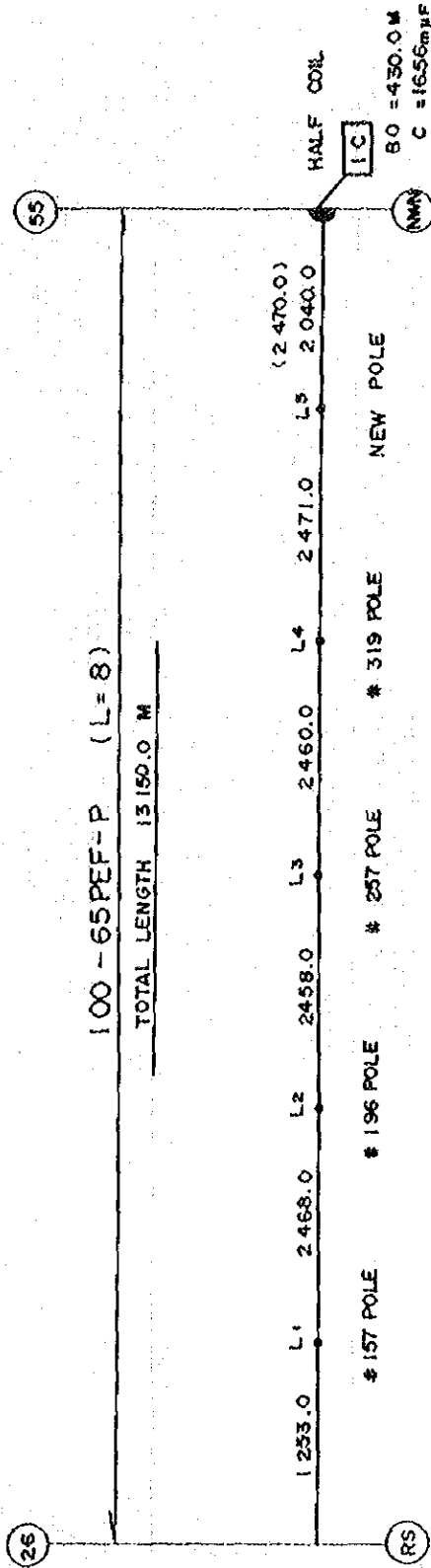
$$S = 2.478.7$$

$$\frac{S - S_0}{S_0} \times 100 = 0.35 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.57 \%$$



RS EX ~ NWN EX

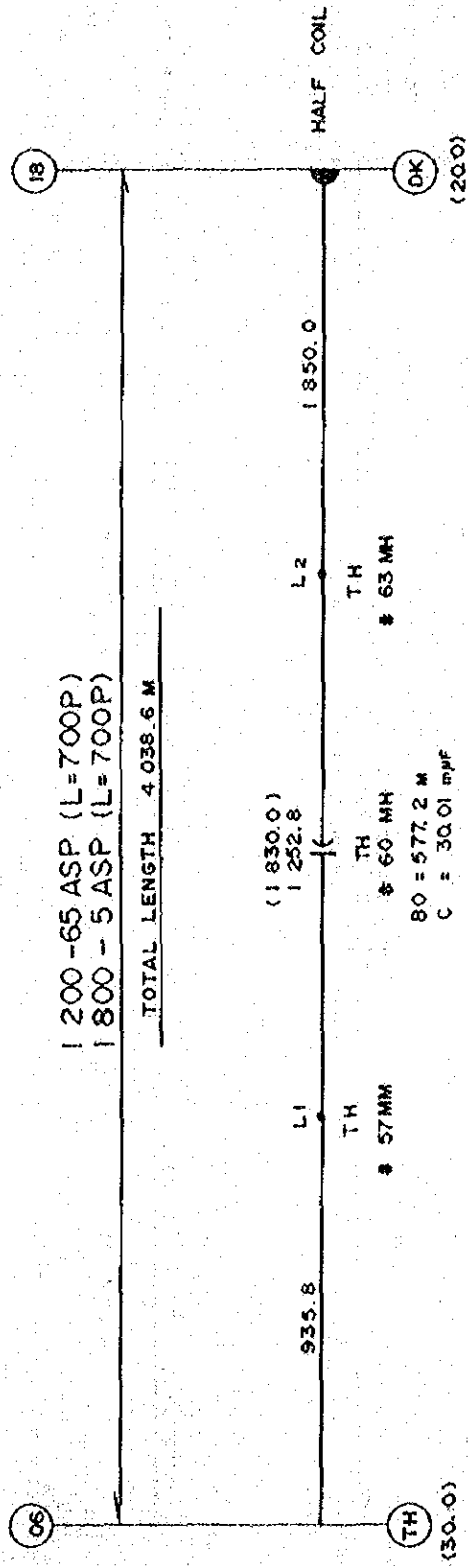


$$S = 2465.4$$

$$\frac{S - S_0}{S_0} \times 100 = 0.19 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.30 \%$$

TH EX ~ DK EX



1 200 - 65 ASP (L = 700P)  
1 800 - 5 ASP (L = 700P)

TOTAL LENGTH 4 038.6 M

(1850.0)

1252.8

L1

935.8

TH

# 57MM

TH

# 60 MH

80 = 577.2 M

C = 30.01 mμF

L2

1850.0

HALF COIL

TH

# 63 MH

DK

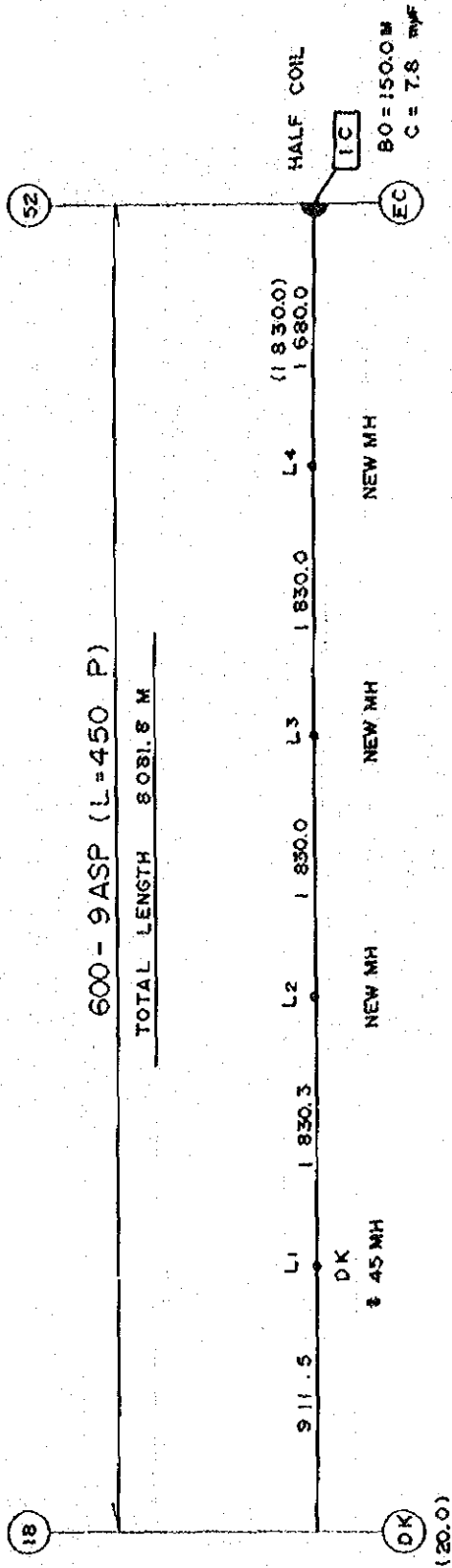
(20.0)

$$S = 1840.0$$

$$\frac{S - S_0}{S_0} \times 100 = 0.55 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.54 \%$$

DK EX ~ EC EX



600 - 9 ASP (L=450 P)

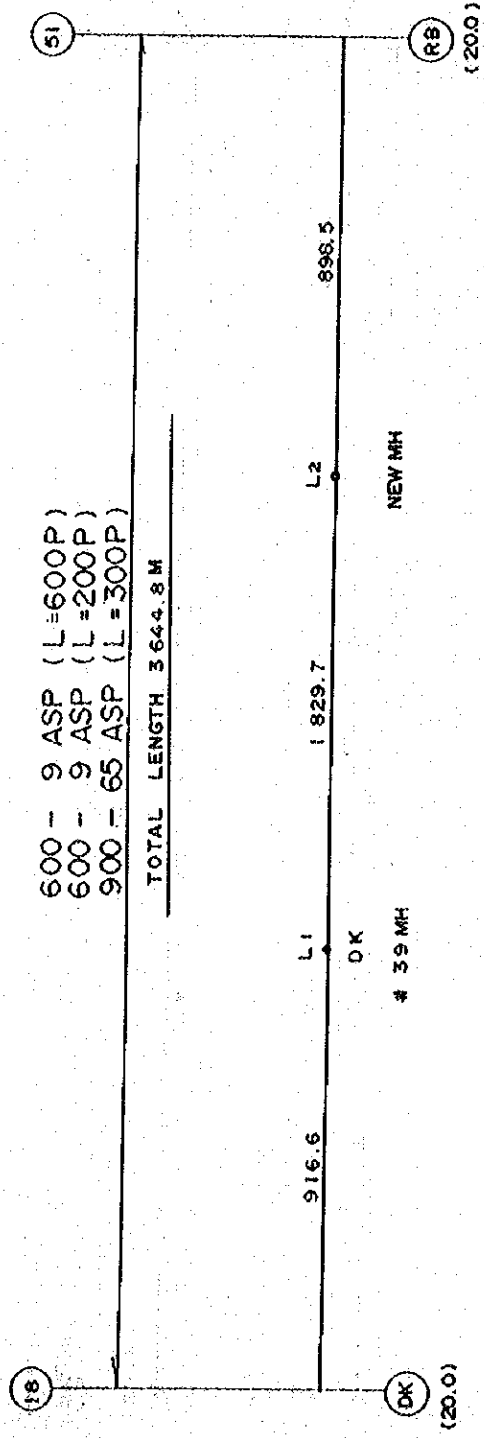
TOTAL LENGTH 8081.8 M

$$S = 1830.1$$

$$\frac{S - S_0}{S_0} \times 100 = 0.01 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.02 \%$$

DK EX ~ RB EX



- 600 - 9 ASP (L=600P)
- 600 - 9 ASP (L=200P)
- 900 - 65 ASP (L=300P)

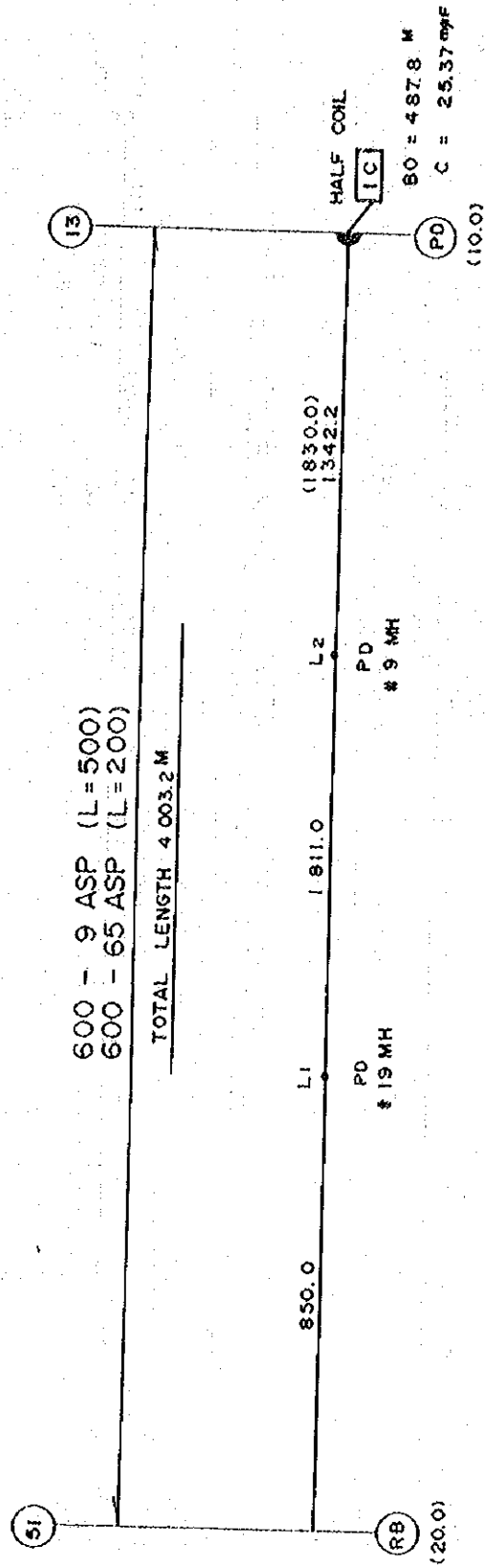
TOTAL LENGTH 3 644.8 M

$$S = 1.829.7$$

$$\frac{S - 50}{50} \times 100 = 0.02 \%$$

$$\frac{S - S1}{S} \times 100 = 0 \%$$

RB EX ~ PDEX



600 - 9 ASP (L=500)  
 600 - 65 ASP (L=200)

TOTAL LENGTH 4 003.2 M

850.0

LI

PD  
 # 19 MH

1811.0

L2

PD  
 # 9 MH

1830.0

1342.2

HALF COIL  
 IC

SO = 487.8 M

C = 25.37 m/F

PD  
 (10.0)

SI

RB

(20.0)

$$S = 1\ 820.5$$

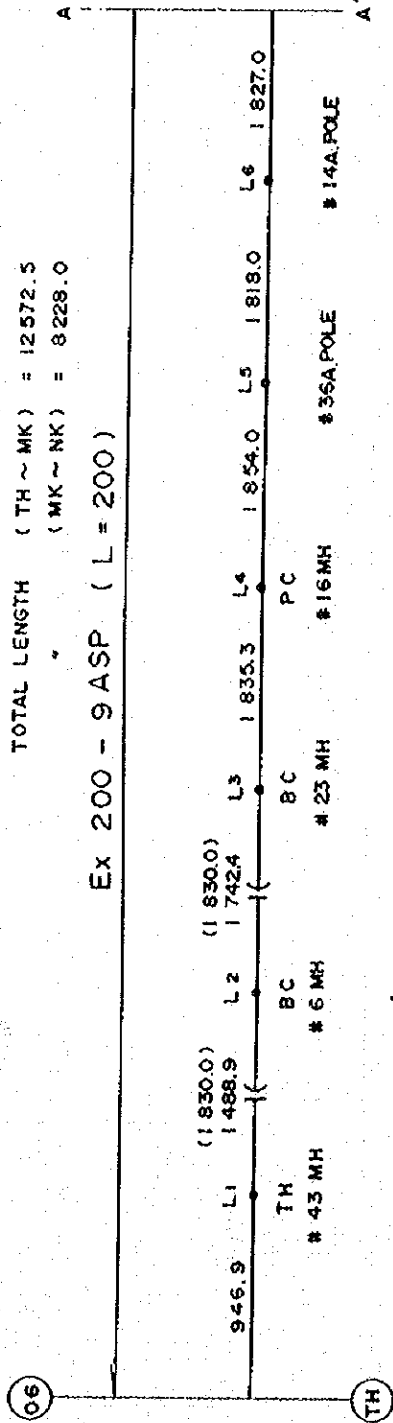
$$\frac{S - SO}{SO} \times 100 = 0.51 \%$$

$$\frac{S - SI}{S} \times 100 = 0.52 \%$$

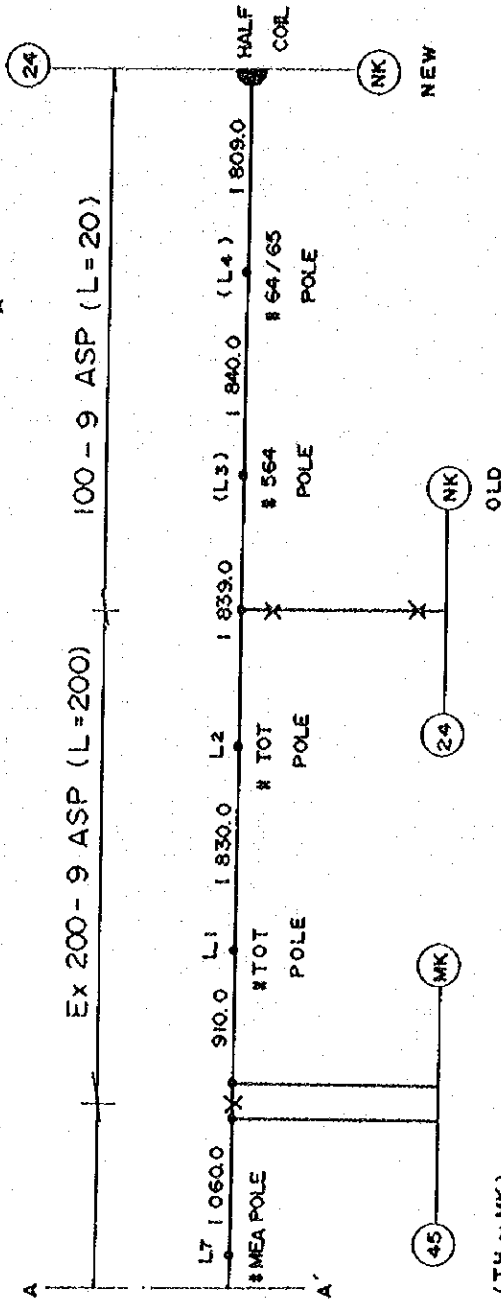
TH EX ~ MK EX ~ NK EX

TOTAL LENGTH (TH ~ MK) = 12572.5  
 (MK ~ NK) = 8228.0

Ex 200 - 9 ASP (L = 200)



Ex 200 - 9 ASP (L = 200) 100 - 9 ASP (L = 20)



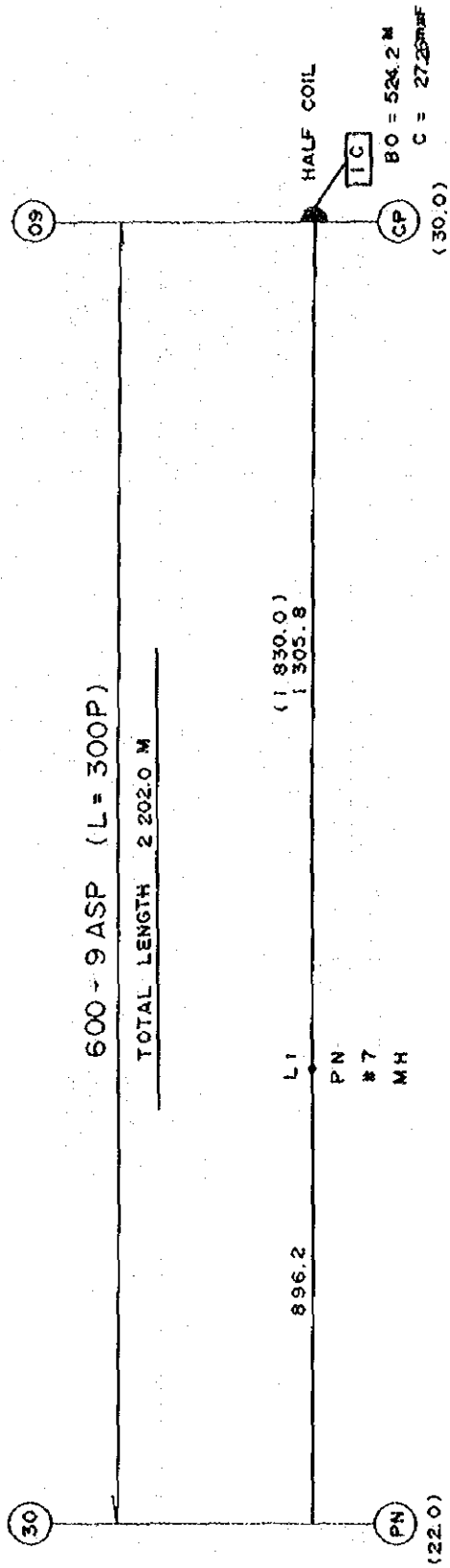
$$S = \frac{1832.4}{1829.5} \times 100 = 0.13\% \quad (\text{TH} \sim \text{MK})$$

$$\frac{S - S_0}{S_0} \times 100 = 0.13\% \quad (\text{TH} \sim \text{MK})$$

$$\frac{S - S_1}{S} \times 100 = 1.18\% \quad (\text{TH} \sim \text{MK})$$

$$1.12\% \quad (\text{MK} \sim \text{NK})$$

PNEX ~ CP EX

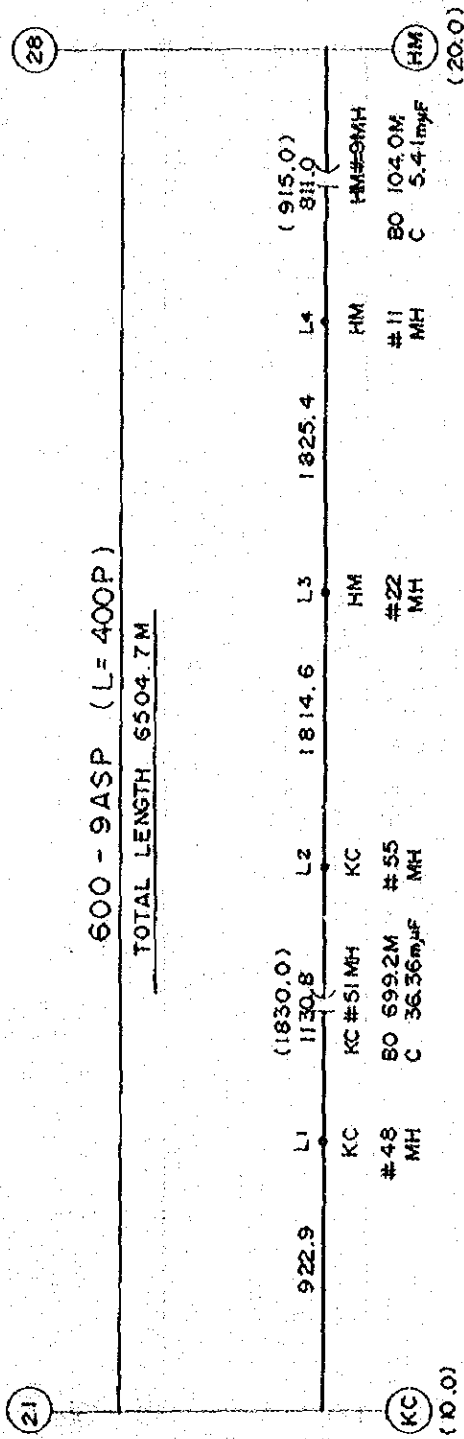


$$S = 1 8300$$

$$\frac{S - S_0}{S_0} \times 100 = 0 \%$$

$$\frac{S - S_1}{S} \times 100 = 0 \%$$

KC EX ~ HM EX



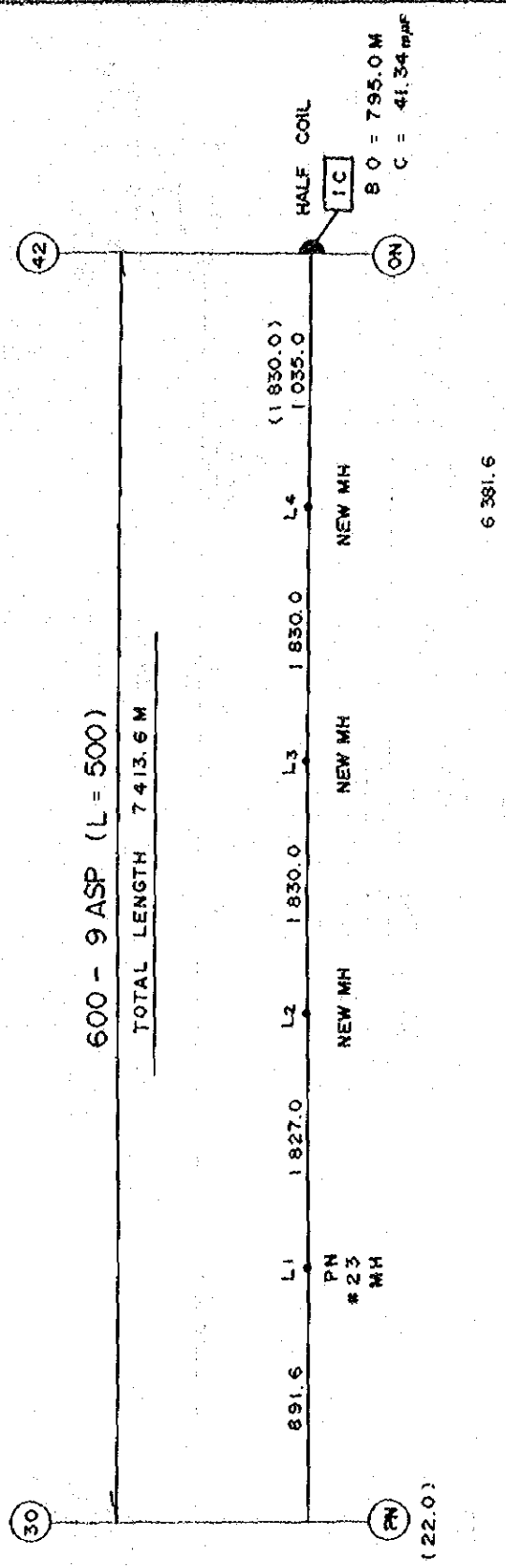
$$S = 1823.3$$

$$\frac{S - S_0}{S_0} \times 100 = 0.37\%$$

$$\frac{S - S_1}{S} \times 100 = 0.48\%$$



PNEX ~ ONEX



600 - 9 ASP (L = 500)  
 TOTAL LENGTH 7413.6 M

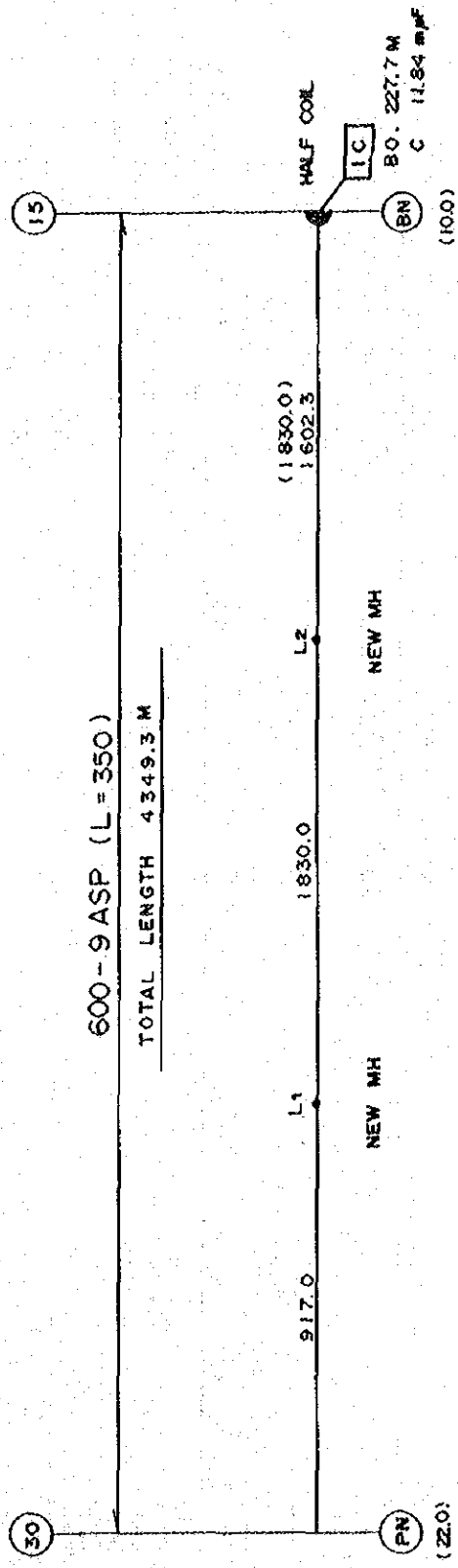
$$S = 1829.3$$

$$\frac{S - S_0}{S_0} \times 100 = 0.04 \%$$

$$\frac{S - S_1}{S} \times 100 = 0.13 \%$$

BO = 795.0 M  
 C = 41.34 mps

PN EX ~ BN EX



600-9 ASP (L = 350)

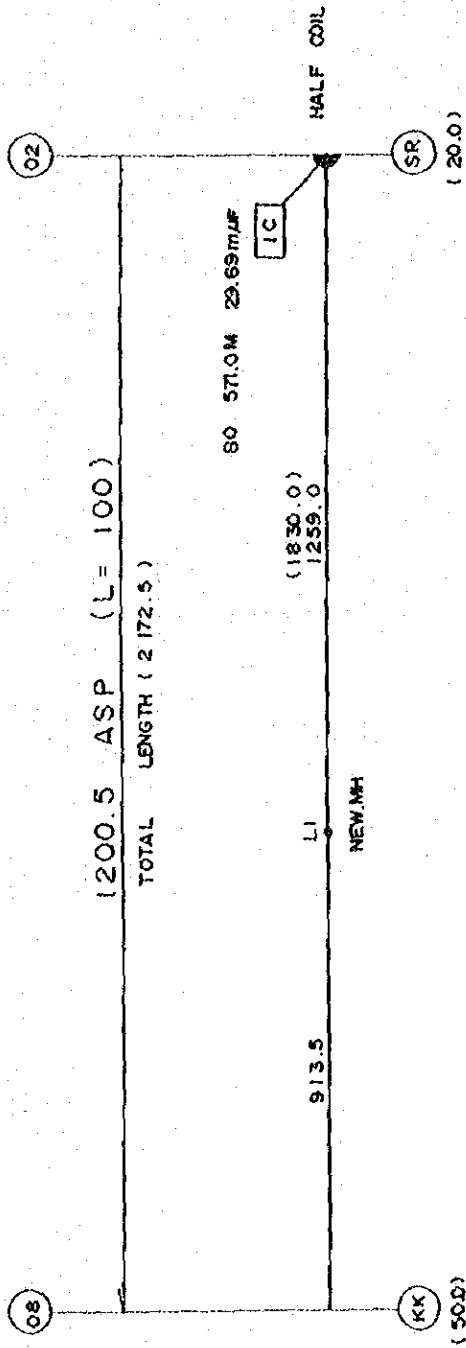
TOTAL LENGTH 4349.3 M

$$S = 1830$$

$$\frac{S - S_0}{S_0} \times 100 = 0 \%$$

$$\frac{S - S_1}{S} \times 100 = 0 \%$$

KKEX ~ SREX



$$S = 1830.0$$

$$\frac{S - S_0}{S_0} \times 100 = 0 \%$$

$$\frac{S - S_1}{S} \times 100 = 0 \%$$

