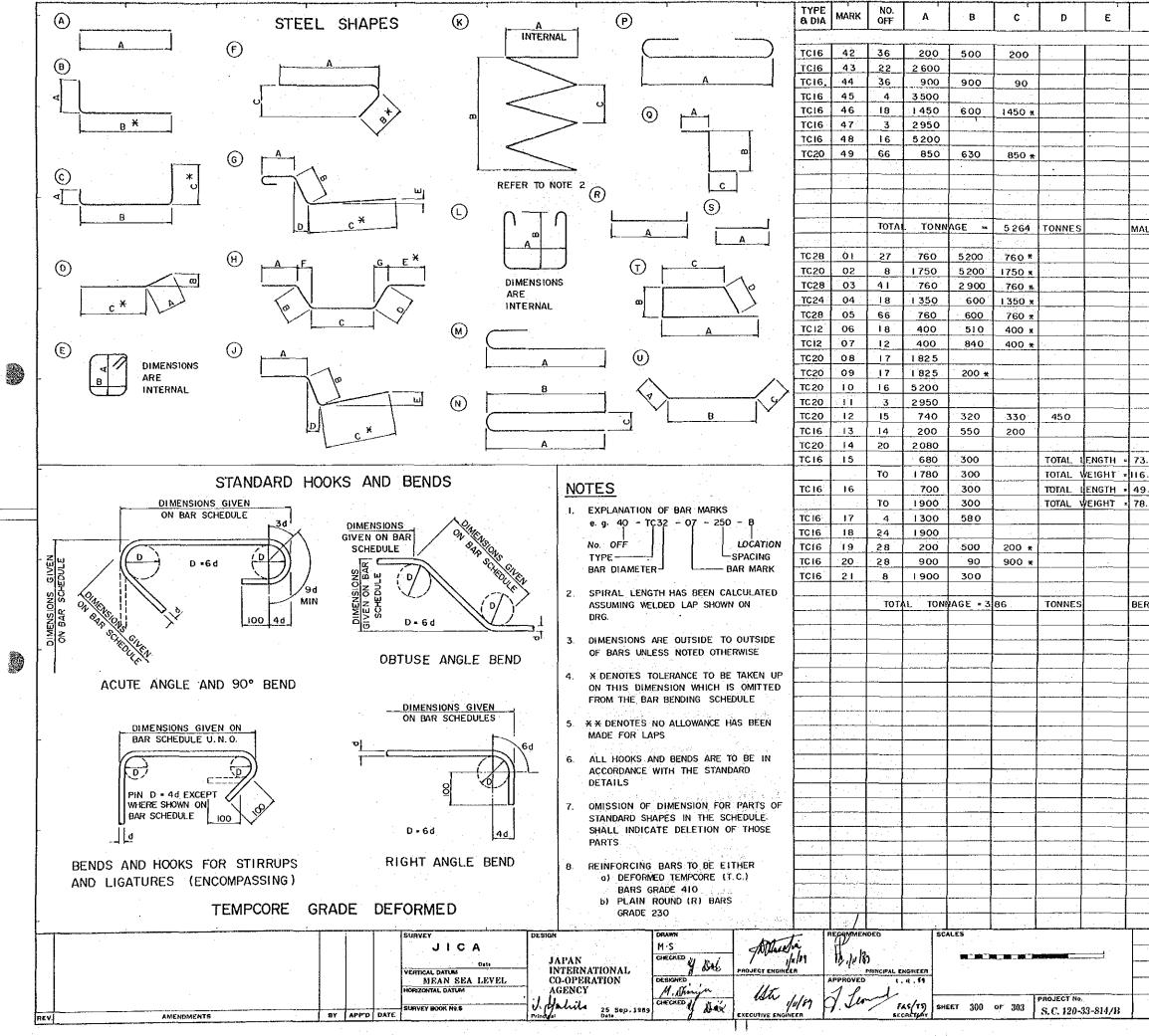
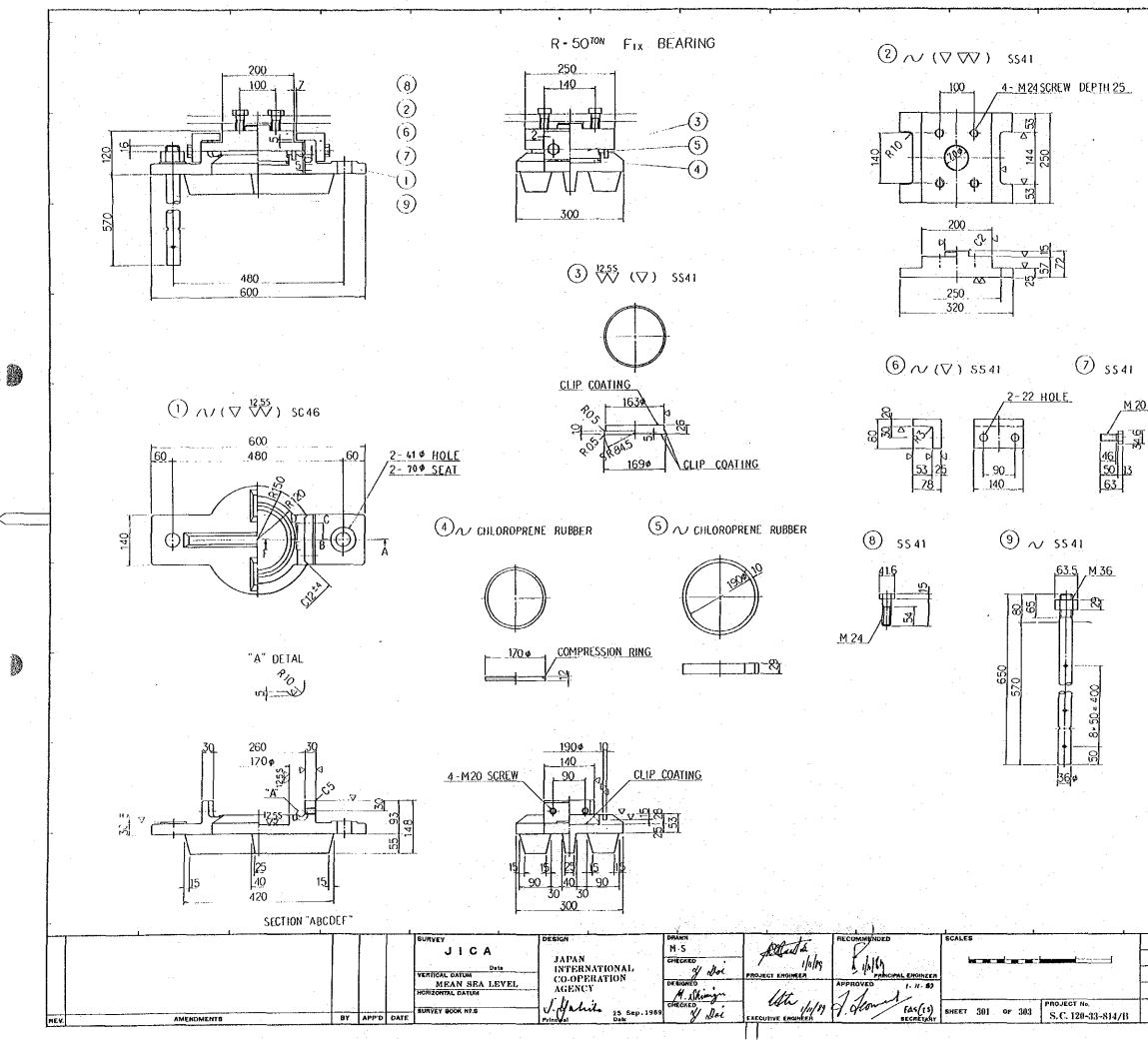


<u>.</u>			r		<u>1</u>
F	G	LENGTH	MASS (kg)	SHAPE	
		1(mm)	•	.L	,
		4 4 4 0	1486.3	P	
		3920	1305.5	A	
		1280	481.9	F	* * SEE NOTE 5
		19700	1119.4	A	** SEE NOTE 5
· ·		1 800	1205.1	0	AN OLE HOLE O
		1 400	527.1	J	
·		21 000	1459	Α	** SEE NOTE 5
	·	1590	62.8	A	
280	280	3180	125.5	<u> </u>	
<u>· · · · · · · · · · · · · · · · · · · </u>	f	4 120	52.0	A	· · · · · · · · · · · · · · · · · · ·
·····	· · · · · · · · · · · · · · · · · · ·	1480 2130	94.6 228.7	EN	
		900	338.9	A	
154	154	1925	607.7	н	
154	154	1615	34.5		
СК					
	ļ				
	<u> </u>	16 0 4 5	4963.6	A	** SEE NOTE 5
		236 440	839.6	ĸ	·
	l	3 100	959.0	B	
		7 220 5 360	820.5	C	· · · · · · · · · · · · · · · · · · ·
	1	7 200	913.6 460.2	C C	
		5 360	699.5	c	
		4 400	130.2	c	
		5 200	76.9	A	
		4 980	73.7	c	
		1 400	26.5	<u> </u>	
		1 700	64.4	c	
		3100	260.0	c	
					· · · · · · · · · · · · · · · · · · ·
					· · · · · ·
		2000	53.7	A	
		2 0 0 0	93.8	8	
÷ .		1 808	45.7	T.	
		1826	109.5	N	
		1416	15.1	C .	·
		1086	11.6	C	
		5 200	226,2	A	<u>.</u>
		5 200	184.7	A	
		5 360 6 844	699.5 860.2	C C	
		5200	184.7	A	
		4 544	944.5	c	
		5652	200.7	c	5 263.6
		4 2 4 4	2 05.1	C	
		2075	59.0	A	· · · · ·
· ·		2 300	72.6	A	<u></u>
		825	15.6	A	
		· 950	15.0	U	
81.4 m 128.5 k		800 2 900		8 8	INCREMENT = 225
		2 600	32.8		
136.1 m		1 100	52.0	8	INCREMENT + 100
214.81		2 680		В	, <u>, , , , , , , , , , , , , , , ,</u>
			i		
	c.	ENTRAL	GULF	Ī	PROVINCES
TR					A-MALALAUA SECTION
					IARO BRIDGE
					E SHEET 1
	PAPUA	NEW (UINEA		RAWING No.
DE	PARTMEN	NT OF	WORKS		A1 88333



		ii	· · · · · · · · · · · · · · · · · · ·		
F	G	CUTTING	MASS	SHAPE	REMARKS
	ļ	LENGTH	(kg)	CODE	L
			······································	· · · · · ·	
		900	51.2	Ų.	
		5 600	90.3	A	
		1820	103.5	N	
		3 500	22,1	Α	
		3468	98.6	c	
		2 950	14.0	A	
		5 200	131. 4	A	· · · · · · · · · · · · · · · · · · ·
		2 330	379.2	c	······································
		2 330	010.2	<u> </u>	
······	• • • • • •			<u>-</u>	
		┣────	}		
	· · · · · · · · · · · · · · ·				
	·	 			······
LALAU	A ABUT	MENT			
			· · · · · · · · · · · · · · · · · · ·		
		6720	877.1	C	<u></u>
		8 700	171.6	C ·	
		4 420	876.0	c	
		3 300	210.9	с	
		2120	676.4	с	
		1 310	20. 9	c	
		1640	17.5	č	
	· · ·	1 825	76.5	A	
		2 025	84.9	8	
. <u>.</u>		5 200	205.2	A	
		1	1	1	
		2 950	21.8	A	
····		1800	66.6	<u> </u>	
	•••••	950	21.0	U	
	ļ	2080	102.6	Α	
. 44 m		<u> </u>		В	INCREMENT = 100
. 00 kg	1 		116.0	B	
<u>6</u> m	<u>`</u>				INCREMENT = 300
. 3 kg			78.3	В	
		1880	11.9	D	
		1 900	72.0	А	
		900	39.8	U	
		1 890	83.6	N	
		2 200	27.8	8	
	· ·				
FINA	ABUTME	NT			
				<u> </u>	
				 	
		<u> </u>			
·. ·					
	•			ļ	
				[]	
			· · ·		
					· · · · · · · · · · · · · · · · · · ·
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				<u>├</u> ──	
	<u> </u>			(
	<u> </u>			ل ــــا	PLOVINCE
					PROVINCES
					A-MALALAUA SECTION
_	BRIDG	E No.	9 - SA	PPAH	ARO BRIDGE
	BAR	BENDIN	G SCH	DUL	E SHEET 2
					HAWING No.
DĘ	PARTME	NEW VT OF	WORKS		A1 88334

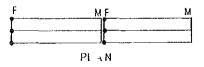


DESIGN CONDITION

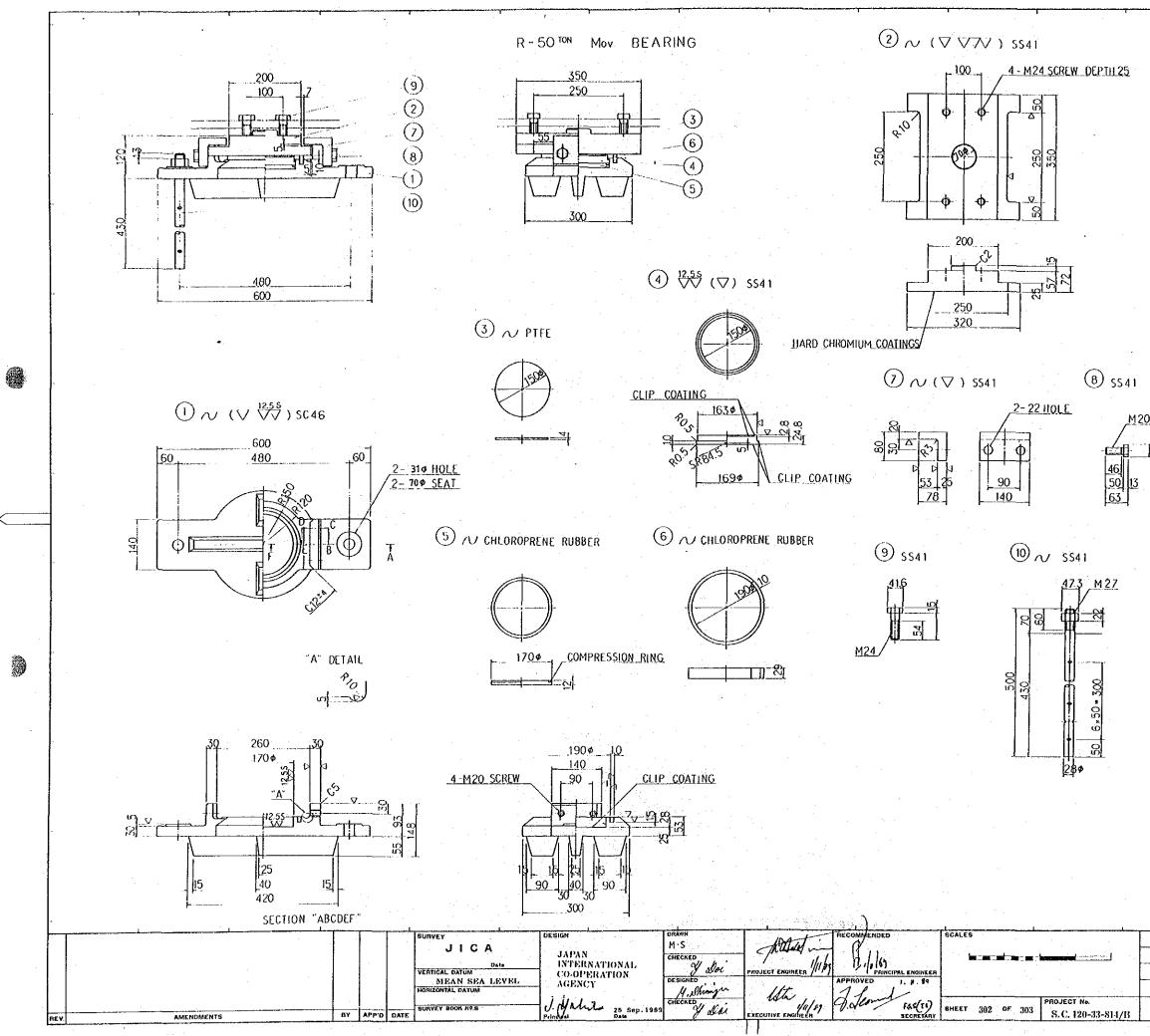
TOTAL REACTION	R	36.0_ton
DEAD LOAD REACTION	Ra	12.6 100
LIVE LOAD REACTION	ROO	23.4 ton
LONGITUDINAL FORCE (FRICTION)	Rent	3.6 LON
LONGITUDINAL FORCE (EARTHQUAKE)	Rure	10.6 ton
TRANSVERSE FORCE (EARTHQUAKE)	Ritze	5.3 ton
UPLIFT (EARTHQUAKE)	V	1.3 ton
SEISMIC COEFFICIENT	Кн	0.42
FRICATIVE COEFFICIENT	f	0.1
BEARING STRESS OF CONCRETE	060	<u>80 ^klín</u>

MATERIAL LIST

MAKE	NAME	MATERIAL	NO	WEIGHT	NOTE
	LOWER BEARING	SC 46	11	42.8	
.2_	UPPER BEARING	\$\$.41	. 1	26.4	
3	MIDDLE PLATE	SS41. CHLOROFRENE	1	4.4	
4	RU <u>B</u> BER PLATE		1	0.4	
5	SLAL RING	CHLOROPRENT	1	0.2	
6	SIDE BLOCK	\$\$41	2	6.4	
. 7	BOLT	SS 41	4		0 50 46)
8	BOLT	SS 41	4	18	3 ⁴ , 54)
9	ANCHOR BOLT NUT	\$\$41	2	11.2	
	TOTAL I	NEIGHT (kg)		92.5	



			<u> </u>
CENTRA	AL / GULF	PROVINCES	
TRANS-ISLAND HIG	HWAY BEREI	NA-MALALAUA	SECTION
BRIDGE	No.9 - SAF	PAHARO BR	IDGE
BEARING	BP· B ~ 10	1 FIXED	
PAPUA NEW DEPARTMENT OF	GUINEA	DRAWING No. A1/88335	·····

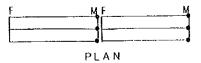


DESIGN CONDITION

TOTAL REACTION	R	33.8 ton
DEAD LOAD REACTION	Rđ	12 <u>.6</u> ton
LIVE LOAD REACTION	Ritio	
LONGITUDINAL FORCE (FRICTION)	RHIT	
LONGITUDINAL FORCE (EARTHOUAKE)	Ritte	5.3 ton
TRANSVERSE FORCE (EARTHQUAKE)	RHZe	1
UPLIFT (EARTHQUAKE)	V.	I.3 ton
MOVABLE LENGTH	ei	50 mm
DESIGNED LENGTH	62	70 mm
TOTAL LENGTH	e :	110 mm
SEISMIC COEFFICIENT	Кн	0.42
FRICATIVE COEFFICIENT	1	0.1
BEARING STRESS OF CONCRETE	Øba	80 ^{kg} /m

MATERIAL_LIST

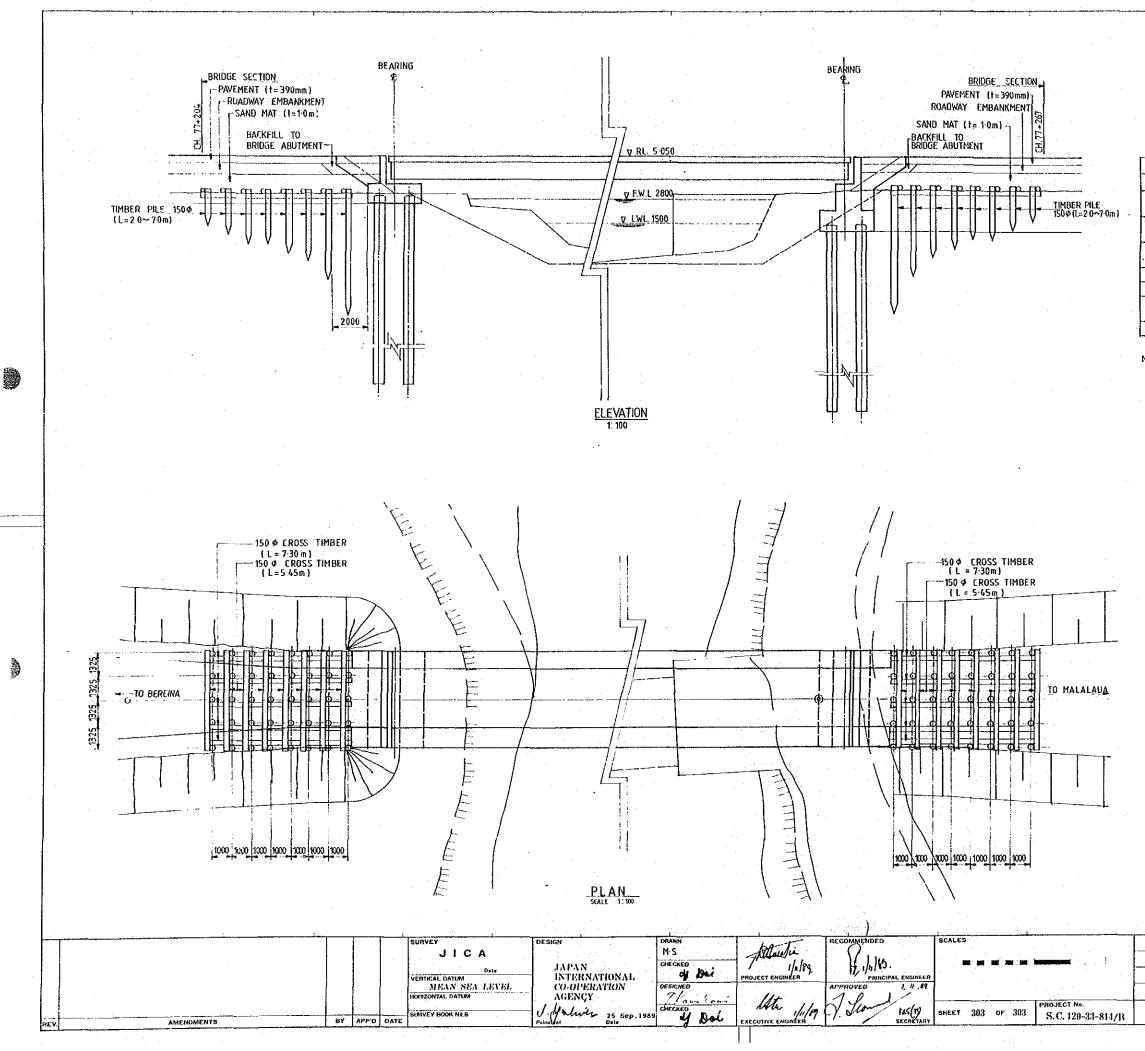
MAKE	NAME	MATERIAL	N 0.	WEIGHT	NOTE
	LOWER BEARING	SC 46	1	43.2	
2	UPPER BEARING	\$\$.4.1	1.	36.2	
3	GLIDE PLATE	PIFE	11	0.2	
	MIDDLE PLATE	5541	1.	3.8	
5	RUBBER PLATE	CHLOROPRENE	1	0.4	
6	SEAL RING	CHLOROPRENE RUBBLE	<u>, 1</u>	0.2	
	SIDE BLOCK	SS 41	2	6.4	
8	BOLT	SS 41	. 4	0.7	M20 50
9	BOLT	SS41	4 :		(S-54)_
10	ANCHOR BOLT-NUT		2,	5.2	
L	TOTAL	WEIGHT ^{(kg})	<u>96.3</u>	



CENTRAL 7 GULI	F PROVINCES
TRANS-ISLAND HIGHWAY	BEREINA-MALALAUA SECTION
BRIDGE No.9-	SAPPAHARO BRIDGE
BEARING BP-B -	102 (MOVABLE)
PAPUA NEW GUINEA DEPARTMENT OF WORKS	DRAWING No.

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	TABLE	OF O	UANTITIES	
DESCRI	PTION	UNIT	QUANTITY	REMARKS
CLEARING AND BRIDGE SITE	GRUBBING AT	ha	0.1	
EXCAVATION FOR	STRUG TYPE C	m 3	5	
TURAL FOUNDAT	IONS TYPE D	<u>(</u> m)	76	
BACKFILL TO EXCAVATIONS FOR STRUCTURAL FOUNDATIONS		m ³	40-7	
BACKFILL TO BRIDGE ABUTMENT		m3	28	
ROADWAY EMBANKMENT		W)	100	
BEARING UNITS	TIMBER PILE	(i)	500.0	150 ¢
DEAKING UNITS	CROSS TIMBER	m	160-2	150 Ø
SAND MAT		កា ³	305	

NOTES: 1

PAVEMENT, ROAD SIGNS AND EXCAVATION FOR THE ROADWAY EMDANKMENT ARE INCLUDED IN ROAD WORKS.

CENTRAL		PROVINCES	
TRANS-ISLAND HIGH	WAÝ – BERED	SA-MALALAUA SECTION	
BRIDGE No.	9 SAPP	AHARO BRIDGE.	•••••
BEARING UNITS, BACKI	ILL TO BRIDGE	ABUTMENT AND OTHERS	
PAPUA NEW DEPARTMENT OF		A1 88337	и

