Periodical Maintenance Team Work Items: - F

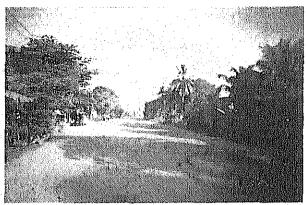
n 2 Parties

Patching and overlay the defective road surface such as medium or large scale of repair.

Item		Quantity	Unit	Unit Price (\$)	Amount (\$)	Remarks
1 Labor						
Foreman	2 x 12months	24.0	month	200.0	4,800.0	
Skilled Worker	30 x 12months	360.0	month	100.0	36,000.0	(
Driver	2 x 12months	24.0	month	100.0	2,400.0	
Sub-total					43,200.0	
2 Machinery Cost						
Wheel Backhoe 0.4m3	1 x 2parties	2.0	Nos	·	Free of cost	
4ton Truck with Crane 3t	1 x 2parties	2.0	Nos		Free of cost	
Asphalt Cutter	1 x 2parties	2.0	Nos	ļ	Free of cost	
Compressor, Breaker	1 x 2parties	2.0	Nos		Free of cost	
Vibration roller 1ton	2 x 2parties	4.0	Nos	ļ	Free of cost	
Rammer 80kg	2 x 2parties	4.0	Nos	}	Free of cost	
Plate Compactor 60kg	2 x 2parties	4,0	Nos	<u> </u>	Free of cost	
Motor Grader 3.1m	1 x 2parties	2.0	Nos	]. [	Free of cost	
Macadam Roller 10t	1 x 2parties	2.0	Nos		Free of cost	,
Tire Roller 8t	1 x 2parties	2.0	Nos		Free of cost	
Dump Truck 8ton	2 x 2parties	4.0	Nos		Free of cost	
Tools		24.0	month	200.0	4,800.0	
Fuel / Lubricant		63,300.0	Lt	0.68	43,044.0	
Repairing Cost		24,0	month	800.0	19,200.0	
Sub-total					67,044.0	
3 Material Cost	4,000m2/year x 2 p	l arties				
Straight Asphalt		56.0	ton	280.0	15,680.0	
Crushed Stone		1,600.0	m3	7.0	11,200.0	
Miscellaneous materials		24.0		400.0	9,600.0	
Sub-total			1,4,1		36,480.0	
Total			14.5		146,724.0	
						·



Damaged National Road No.1



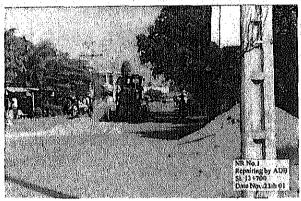
Damaged National Road No.1



Repairing by RCC (1999)



Repairing by RCC (1999)



Repairing by Contractor (ADB 2000)



Wheel Backhoe 0.4m3



RCC 8ton Dump Truck



Tire Roller 8ton





Surface Course 5cm

Cement Improvement

Base Course 20cm

Repairing Section

Road Length : 1,000m Road Width

: 9m

; 9,000m2

Pot Holes

Average area: 1.5m x 3.0m = 4.5m2/Location

% of Pot Holes : 2%

 $9,000\text{m}2 \times 2\% = 180\text{m}2$ 

Total Nos : 40 Nos

Unit Price (Including Tax)

Straight Asphalt

250\$/t x 112% = 280\$/ton

Prime Coat

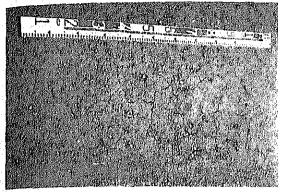
Diesel

Area

320\$/t x 113% = 362\$/ton 0.20\$/Lt x 145% = 0.29\$/Lt

Quantity Unit Price Amount Remarks Item Unit (\$) (\$) Labour for removing Nos 6.00 12.0 72,0 1 x 6days Foreman 390.0 60.00 6,5 Nos Skilled Labour 10 x 6days Traffic Controller 2 x 6days Nos 12.00 6.0 72.0 Labour for repairing 72.0 12.0 1 x 6days Nos 6.00 Foreman 30.00 7.0 210.0 Nos Payement Labour 5 x 6days 585.0 90.00 6.5 Skilled Labour 15 x 6days Nos 12.00 6.0 72.0 Nos. Traffic Controller 2 x 6days Materials 0.00 6.0 0.0 m3 Subbase course 7.0 352.8 50.40 Base Course 180m2 x 0.2m x 1.4 m3: 70.0 175.0 Cement 36m3 x 1.7t/m3 x 4% ton 2.50 180m2 x 0.15t/100m2 0.27 362.0 97.7 Prime Coat ton 1.190.7 Small Q'ty 24.30 49.0 Asphalt Concrete 180m2 x 0.05m x 2.35x1.1 ton (45\$/t x 1.1) Machinery 10.0 40.0 4.00 Concrete Cutter 1 x 4days day 176.4 L=50km Dump Truck 10t Base Course m3 50.40 3.5 L=70km 24:30 6.0 145.8 Asphalt Concrete ton Dump Truck 10t 6.00 60.0 360.0 Compressor & Breaker 1 x 6days day 260.0 2.00 130.0 1 x 2days đay Macadam Roller 6t 216.0 18.00 12.0 Rammer 80kg 3 x 6days day 100.0 600.0 Truck with Crane 3t l x 6days day 6.00 30.0 2.00 15.0 Asphalt Distributor 1 x 2days day 150.0 150.0 Trailer day 1.00 Temporary materials Barricade L.S 50.0 50.0 5,317.4 Total 29.5 Per m2 5,300.0 Per km

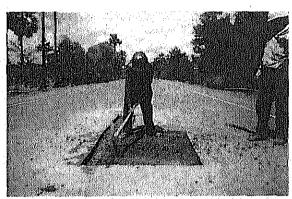




Damaged Pavement



Hacking asphalt concrete



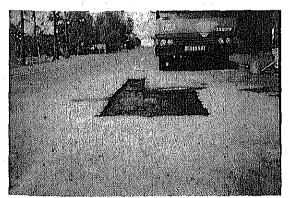
Removing base course



Placing new base course and stabilizing by cement t = 20cm



Compaction of new base course



Spreading prime coat



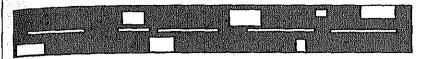
Pavement t = 5cm



Repairing Pot Holes

t = 5cm + 20cm + 30cm

per 180m2



Surface Course 5cm

Cement Improvement

Base Course 20cm Subbase Course 30cm Repairing Section

Road Length : 1,000m

Road Width : 9m

Area : 9,000m2

Pot Holes

Average area:  $1.5 \text{m} \times 3.0 \text{m} = 4.5 \text{m} 2/\text{Location}$ 

% of Pot Holes : 2% 9,000m2 x 2% = 180m2

Total Nos : 40 Nos

Unit Price (Including Tax)

Straight Asphalt

250\$/t x 112% = 280\$/ton

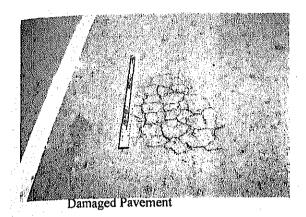
Prime Coat

320\$/t x 113% = 362\$/ton

Diesel

Diesel	0.20\$/Lt x $145$ % = $0.29$ \$/L					
Item		Unit	Quantity	Unit Price	Amount	Remarks
				(\$)	(\$)	
Labour for removing				' · · ·	. {	(
Foreman	1 x 4days	Nos	4.00	12.0	48.0	
Skilled Labour	10 x 4days	Nos	40.00	6.5	260.0	
Traffic Controller	2 x 4days	Nos	8.00	6.0	48.0	
Labour for repairing	·		,	i .		
Foreman	1 x 8days	Nos	8.00	12.0	96.0	
Pavement Labour	5 x 8days	Nos	40.00	7.0	280.0	
Skilled Labour	15 x 8days	Nos	120.00	6.5	780.0	١.
Traffic Controller	2 x 8days	Nos	16.00	6.0	96.0	
Materials						
Subbase course	180m2 x 0.3m x 1.4	m3	75.60	6.0	453.6	
Base Course	180m2 x 0.2m x 1.4	m3	50.40	7.0	352.8	
Cement	36m3 x 1.7t/m3 x 4%	ton	2.50	70.0	175.0	
Prime Coat	180m2 x 0.15t/100m2	ton	0.27	362.0	97.7	
Asphalt Concrete	180m2 x 0.05m x 2.35x1.1	ton	24,30	49.0	1,190.7	Small Q'ty
		1 48 2			Regular Gulder	(45\$/t x 1.1)
Machinery		Contra				
Concrete Cutter	1 x 4days	day	4.00	10.0	40.0	
Dump Truck 10t	Base, Subbase Course	m3	126.00	3.5	441.0	L=50km
Dump Truck 10t	Asphalt Concrete	ton	24.30		145.8	L=70km
Tire Backhoe 0.4m3	1 x 4days	day	4.00	1	600.0	
Wheel Loader 1.2m3	1 x 4days	day	4.00		480.0	
Macadam Roller 6t	1 x 6days	day	3.00	I	390.0	
Rammer 80kg	3 x 8days	day	24.00		288.0	
Roller 1ton	1 x 6days	day	6.00		120.0	
Truck with Crane 3t	1 x 6days	day	6.00		600.0	
Asphalt Distributor	1 x 2days	day	2.00		30.0	
Trailer		day	1.00	150.0	150.0	
Temporary materials		1			٠.	1
Barricade		L.S		50,0	50.0	}
		<u> </u>				
Total		1		1	7,212.6	1
				Per m2	40.1	J
		<u></u>	<u> </u>	Per km	7,200.0	<u> </u>



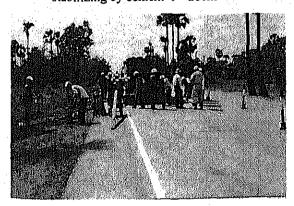




Excavation by Backhoe



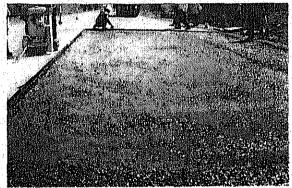
Placing new base course and stabilizing by cement t = 20cm



Manual pavement t = 5cm



Placing new subbase course



Spreading prime coat

Repairing Pot Holes

t = 5cm + 20cm + 30cm + 30cm

per 180m2



Cement Improvement

Base Course 20cm

Replacement by sand t = 30 cm

Subbase Course 30cm Repairing Section

Surface Course 5cm

Road Length : 1,000m

Road Width : 9m Area

:9,000m2

Pot Holes

Average area : 1.5 m x 3.0 m = 4.5 m 2/Location

% of Pot Holes : 2% Total Nos : 40 Nos

 $9,000\text{m2} \times 2\% = 180\text{m2}$ 

Unit Price (Including Tax)

Straight Asphalt

250\$/t x 112% = 280\$/ton

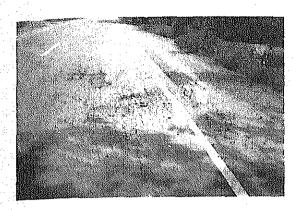
Prime Coat

320\$/t x 113% = 362\$/ton

Diesel

Diesel	0.20\$/Lt x 145% = $0.2$ 9\$/L					
Item		Unit	Quantity	Unit Price	Amount	Remarks
La Company				_(\$)	(\$)	
Labour for removing						
Foreman	1 x 4days	Nos	4.00	12.0	48.0	·
Skilled Labour	10 x 4days	Nos	40.00	6.5	260.0	
Traffic Controller	2 x 4days	Nos	8.00	6.0	48.0	, ,
Labour for repairing		1				
Foreman	1 x 10days	Nos	10.00	12.0	120.0	)
Pavement Labour	5 x 10days	Nos	50.00	7.0	350.0	
Skilled Labour	15 x 10days	Nos	150.00	6.5	975.0	ļ
Traffic Controller	2 x 10days	Nos	20.00	6.0	120.0	
Materials						
Sand	180m2 x 0.3m x 1.4	. m3	75,60	2.5	189.0	
Subbase course	180m2 x 0.3m x 1.4	m3	75.60	6.0	453.6	
Base Course	180m2 x 0.2m x 1.4	. m3	50.40	7.0	352,8	
Cement	36m3 x 1.7t/m3 x 4%	ton	2.50	70.0	175.0	
Prime Coat	180m2 x 0.15t/100m2	ton	0,27	362.0	97.7	
Asphalt Concrete	180m2 x 0.05m x 2.35x1.1	ton	24,30	. 49.0	1,190.7	Small Q'ty
						(45\$/t x 1.1)
Machinery						
Concrete Cutter	1 x 4days	day	4.00	10.0	40.0	
Dump Truck 10t	Base, Subbase Course	m3	201.60	3.5	705.6	L=50km
Dump Truck 10t	Asphalt Concrete	ton	24.30	6.0	145.8	L=70km
Tire Backhoe 0.4m3	1 x 4days	day	4,00	150.0	600.0	
Wheel Loader 1,2m3	1 x 4days	day	4.00	120.0	480.0	·
Macadam Roller 6t	1 x 6days	day	3.00	130.0	390.0	1
Rammer 80kg	3 x 8days	day	24.00	12.0	288.0	
Roller 1ton	1 x 6days	day	6.00	20.0	120.0	(
Truck with Crane 3t	1 x 6days	day	6.00	100.0	600.0	
Asphalt Distributor	1 x 2days	day	2.00	15.0	30.0	
Trailer		day	1.00	150.0	150.0	]
			·			ļ
Temporary materials						!
Barricade	-	L,S	A 1	50.0	50.0	
Total					7,979.2	
		٠.	]	Per m2	44,3	1
	·			Per km	8,000.0	<u> </u>

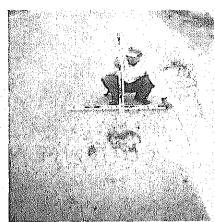




Damaged Pavement



Excavation by Backhoe



Damaged Pavement



Replacing by sand t = 30cm



Replacing by sand t = 30cm



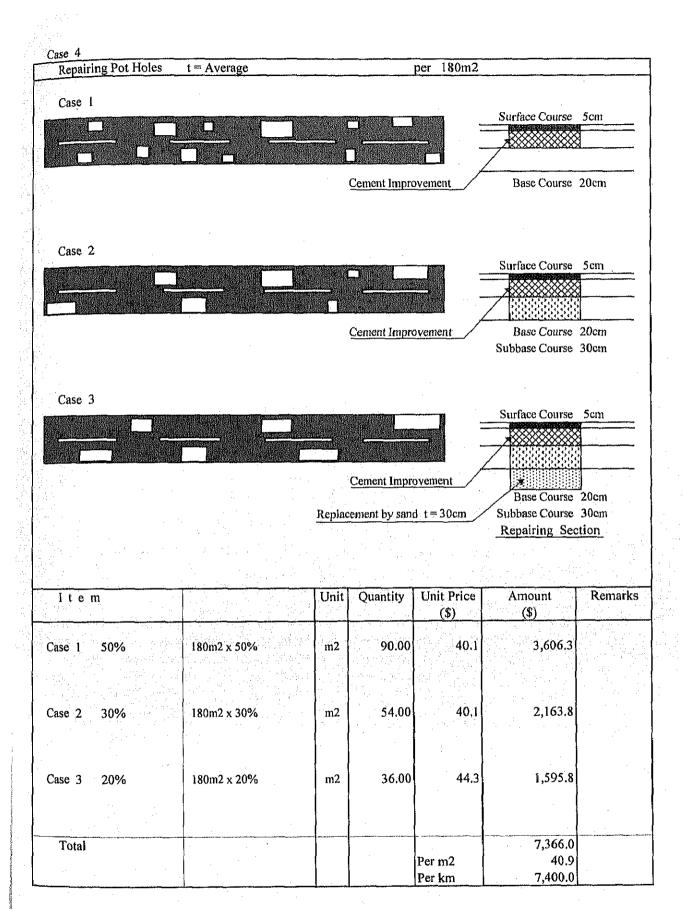
Pavement t = 5 cm



Placing new subbase course t = 30cm
 Placing new base course and

stabilizing by cement t = 20cm











Cement Improvement

Base Course 15cm

Repairing Section

Road Length: 1,000m

Road Width : 9.0m

Area

: 9,000m2

Pot Holes

Average area : 1.5 m x 3.0 m = 4.5 m 2/Location

% of Pot Holes : 2%

 $9,000\text{m}2 \times 2\% = 180\text{m}2$ 

Total Nos : 40 Nos

Item		Unit	Quantity	Unit Price (\$)	Amount (\$)	Remarks
Labour for removing		<b></b> -		(9)	(4)	
Foreman	1 x 3days	Nos	3.00	12.0	36.0	
Skilled Labour	10 x 3days	Nos	30.00	6.5	195.0	
Traffic Controller	2 x 3days	Nos	6.00	6.0	36.0	
Labour for repairing	2 X Juays	1105	0.00	0.0	50.0	
Foreman	1 x 3days	Nos	3,00	12.0	36.0	
Skilled Labour	10 x 3days	Nos	30.00	6.5	195.0	
Traffic Controller		Nos	6.00		36.0	
Trame Controller	2 x 3days	INOS	0.00	0.0	30.0	
Materials						
Base Course	180m2 x 0.15m x 1.4	m3	37.80	7.0	264.6	
Cement	27m3 x 1.7t/m3 x 4%	ton	1,80	70.0	126,0	
Cement	2/103 X 1.77/103 X 470	ion	1,60	70.0	120.0	
Machinery						
Concrete Cutter	1 x 3days	day	3.00	10.0	30.0	
	Base Course	m3	37.80		132.3	L= <b>5</b> 0km
Dump Truck 10t			3.00	l	1	
Compressor & Breaker	1 x 3days	day	2.00	ì	and the second second	t i
Macadam Roller 6t	1 x 2days	day				l
Rammer 80kg	3 x 3days	day	9.00			
Truck with Crane 3t	1 x 3days	day	3.00	1	l '	1
Trailer		day	0.50	150.0	/3.0	
77		]		)	]	
Temporary materials		, ,			20.0	
Barricade		L.S	)	20.0	20.0	J
T-4-1					2,029.9	
Total		}		Per m2	11.3	
		ļ			2,000.0	
<u></u>	The second second	1	1	Per km	2,000.0	L



Damaged Road National Road No.5



Damaged Road National Road No.5



Damaged Road National Road No.5



Hacking asphalt concrete



Placing new base course and stabilizing by cement t = 15cm



Compaction of new base course



Overlay t = 4cm per 9,000m2

Overlay t = 4 cm

Road Length : 1,000m

Road Width : 9.0m Area

: 9,000m2

Repaired Pot Holes

Repairing Section

Unit Price (Including Tax)

Straight Asphalt

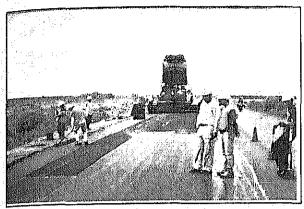
250\$/t x 112% = 280\$/ton

Prime Coat

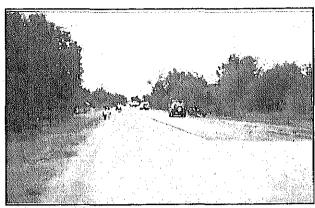
320\$/t x 113% = 362\$/ton

Diesel

I t e m		Unit	Quantity	Unit Price (\$)	Amount (\$)	Remarks
				(4)	(4)	
Labour for Overlay				<b>j</b>		•
Foreman	1 x 5days	Nos	5.00	12.0	60.0	
Pavement Labour	8 x 5days	Nos	40.00	7.0	280.0	-
Skilled Labour	10 x 5days	Nos	50.00		325.0	
Traffic Controller	2 x 5days	Nos	10.00	6.0	60.0	
Traine Controller	2 x Judys	1103	10.00	0.0	00.0	
Materials						
Prime Coat	9000m2 x 0.13t/100m2	ton	11.70	362.0	4,235.4	1. 2.
Surface Course	9000m2 x 0.130 100m2	ton	905.00	45.0	40,725.0	
Surface Course	9000m2 x 0.04m x 2.33x1.07	ton	202.00	45.0	10,725.0	
Machinom						
Machinery Dump Truck 10t	Surface Course	ton	905.00	4.0	3,620.0	L=70km
Bloomer with Tractor	1 x 3days	day	3.00		360.0	
	6,0m3	day	3.00	J	450.0	
Asphalt Distributor		day	5.00 5.00		1,250.0	
Asphalt Finisher	1 x 5days	day	5.00 5.00		650.0	
Tire Roller 8~20t	1 x 5days		5.00 5.00	and the first second of	650.0	
Macadam Roller 10t	1 x 5days	day	5.00 5.00	The first of the second	100.0	
Roller 1ton	1 x 5days	day	5.00 5.00		400.0	
Sprinkler Lorry	1 x 5days	day		1	300.0	
Trailer		day	2.00	130.0	200.0	
	0.4# 4.000 500/	,	75.00	11.0	825.0	
Road Lane Mraking	0.15m x 1,000m x 50%	m2	75.00	11.0	023.0	
·		İ		ĺ	. <b>[</b>	
Temporary materials				100.0	100.0	
Barricade		L.S		100.0	54,390.4	
Total						
			1	Per m2	6.0	
		<u> </u>	<u> </u>	Per km	54,400.0	



Overlay t = 4cm



One lane Overlay t = 4 cm

t = 3cmOverlay

per 9000m2

Overlay t = 3cm

Repaired Pot Holes

Road Length : 1,000m Road Width

: 9.0m

Area

: 9,000m2

Unit Price (Including Tax)

Straight Asphalt

250\$/t x 112% = 280\$/ton

Prime Coat

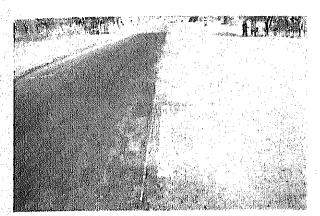
320\$/t x 113% = 362\$/ton

Repairing Section

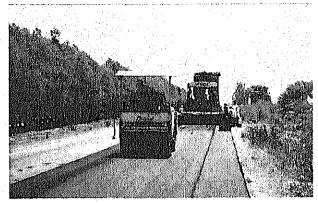
Diesel

Item		Unit	Quantity	Unit Price	Amount	Remarks
				(\$)	(\$)	
Labour for Overlay		]				
Foreman	1 x 4days	Nos	4.00	12.0	48.0	
Pavement Labour	8 x 4days	Nos	32.00	7.0	224.0	
Skilled Labour	10 x 4days	Nos	40.00		260.0	
Traffic Controller	2 x 4days	Nos	8.00	6.0	48.0	
		i sanji				
Materials		1				
Prime Coat	9000m2 x 0.13t/100m2	ton	11.70		4,235.4	
Surface Course	9000m2 x 0.03m x 2.35x1.07	ton	679.00	45.0	30,555.0	
Machinery						]
Dump Truck 10t	Surface Course	ton	679.00	4.0	2,716.0	L≈70km
Bloomer with Tractor	1 x 3days	day	3,00	120.0	360.0	1
Asphalt Distributor	6.0m3	day	3.00	150.0	450.0	
Asphalt Finisher	1 x 4days	day	4.00	250.0	1,000.0	
Tire Roller 8~20t	1 x 4days	day	4.00	130.0	520.0	
Macadam Roller 10t	1 x 4days	day	4.00	130.0	520.0	1
Roller 1ton	1 x 4days	day	4.00	20.0	80.0	ł
Sprinkler Lorry	1 x 4days	day	4.00	80.0	320.0	
Trailer		day	2.00	150.0	300.0	
				ļ		
Road Lane Mraking	0.15m x 1,000m x 50%	m2	75.00	11.0	825.0	
<b>3</b>				<u> </u>		
Temporary materials				1		le di Sala
Barricade		L.S		100.0	100.0	Ì
Total					42,561.4	:
				Per m2	4.7	
		.]		Per km	42,600.0	





One lane Overlay t = 3cm

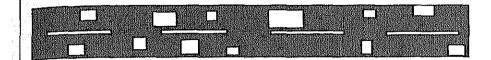


Two lanes Overlay t = 3cm



Remova	I damaged	Pavement	t = 5cm

per 9,000m2



Removal damaged pavement t = 5cm

Road Length : 1,000m Road Width : 9.0m Area : 9,000m2

Volume of asphalt concrete

 $V = 9,000 \text{m} 2 \times 0.05 \text{m} = 450 \text{m} 3$ 

Daily production of Backhoe 0.4m3

 $Q = 3600 \times 0.4 \text{m} \times 0.98 \times 0.15 / 25 \times 6 \text{Hr/day} = 50 \text{m} \times 3 \text{day}$ 

D = 450m3 / 50m3/day = 9day

I t e m		Unit	Quantity	Unit Price (\$)	Amount (\$)	Remarks
Labour for removing						
Foreman	1 x 9days	Nos	9.00	12.0	108.0	
Skilled Labour	5 x 9days	Nos	45.00	6.5	292.5	
Traffic Controller	2 x 9days	Nos	18.00	6.0	108.0	
				· ·		
Machinery		/				
Tire Backhoe 0.4m3	1 x 9days	day	9,00		1,170.0	
Wheel Loader 1.0m3	1 x 9days	day	9,00	140.0	1,260.0	
Dump Truck 10t	1 x 9days	day	9.00	120.0	1,080.0	
Trailer		day	1.00	150.0	150.0	
		Service Co.				
Temporary materials						
Barricade		L.S		100.0	100.0	
Disposal cost				Free	0.0	
					Maria de Caractería de Car La composição de Caractería	
Total		l			4,268.5	
· · · · · · · · · · · · · · · · · · ·		}	] .	Per m2	0.5	
		ŀ		Per km	4,300.0	



D-mossol	damaged	Pavement	t =	Sem
Kemovai	uamageu	I avoince	ι –	OCII

per 9,000m2



Removal Damaged Pavement

t = 8cm

Road Length : 1,000m
Road Width : 9.0m
Area : 9,000m2

Volume of asphalt concrete V = 9,000m2 x 0.08m = 720m3 Daily production of Backhoe 0.4m3

 $Q = 3600 \times 0.4 \text{m} 3 \times 0.98 \times 0.12 / 25 \times 6 \text{Hr/day} = 40 \text{m} 3 / \text{day}$ 

D = 720m3 / 40m3/day = 18day

Item		Unit	Quantity	Unit Price (\$)	Amount (\$)	Remarks
Labour for removing						
Foreman	1 x 18days	Nos	18.00	12.0	216.0	
Skilled Labour	5 x 18days	Nos	90.00	6.5	585.0	
Traffic Controller	2 x 18days	Nos	36.00	6.0	216.0	
		-				
Machinery						
Tire Backhoe 0.4m3	1 x 18days	day	18.00	130.0	2,340.0	
Wheel Loader 1.0m3	1 x 18days	day	18.00	140.0	2,520.0	
Dump Truck 10t	1 x 18days	day	18.00	120.0	2,160.0	
Trailer		day	1.00	150.0	150.0	
Temporary materials						
Barricade		L.S		100.0	100.0	
Disposal cost				Free	0.0	
		<u> </u>			0.000.0	
Total			}		8,287.0	
				Per m2	0.9	
				Per km	8,300.0	

## Asphalt Pavament $t = 4 \text{cm } \times 2 \text{Layers}$

per 9000m2



Surface Course t = 4cmBindere Course t = 4cm

00m

Road Length : 1,000m Road Width : 9,0m Area : 9,000m2

Unit Price (Including Tax)

Straight Asphalt

250\$/t x 112% = 280\$/ton

Prime Coat

320\$/t x 113% = 362\$/ton

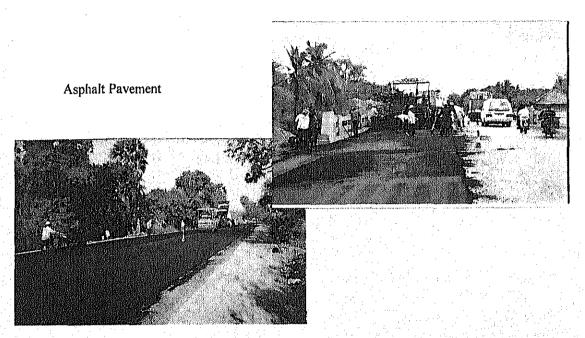
Tack Coat

370\$/t x 115% = 425\$/ton

Diesel

I t e m		Unit	Quantity	Unit Price	Amount	Remarks
				(\$)	(\$)	· · · · · · · · · · · · · · · · · · ·
					;	i tuti.
Labour for Overlay			,			
Foreman	1 x 5days x 2	Nos	10.00	12.0	120.0	·
Pavement Labour	8 x 5days x 2	Nos	80.00		560.0	
Skilled Labour	10 x 5days x 2	Nos	100.00	6.5	650.0	
Traffic Controller	2 x 5days x 2	Nos	20.00	6.0	120.0	
Materials			er de la	1.5		
Prime Coat	9000m2 x 0.13t/100m2	ton	11.70	362.0	4,235.4	
Binder Course t=4cm	9000m2 x 0.04m x 2.35x1.07	ton	905.00		38,915.0	
Tack Coat	9000m2 x 0.05t/100m2	ton	4.50	425.0	1,912.5	
Surface Course t=4cm	9000m2 x 0.04m x 2.35x1.07	ton	905.00	45.0	40,725.0	
tana ing paggarang paggarang pa						e e e
						15.0
Machinery						1.
Dump Truck 10t	Asphalt Concrete	ton	1,810.00	4.0	7,240.0	L=70km
Bloomer with Tractor	1 x 3days	day	3.00	120.0	360.0	
Asphalt Distributor	6.0m3	day	6.00	150.0	900.0	
Asphalt Finisher	1 x 5days x 2Layers	day	10.00	250.0	2,500,0	
Tire Roller 8~20t	1 x 5days x 2Layers	day	10,00	130.0	1,300.0	
Macadam Roller 10t	1 x 5days x 2Layers	day	10.00	130.0	1,300.0	
Roller Iton	1 x 5days x 2Layers	day	10.00	20.0	200.0	
Sprinkler Lorry	1 x 5days x 2Layers	day	10.00	80.0	800.0	
Trailer		day	2.00	150.0	300.0	
				-		
Road Lane Mraking	0.15m x 1,000m x 50%	m2	75.00	11.0		
•						
Temporary materials						
Barricade		L.S		100.0	100.0	
Total					102,237.9	
		}		Per m2	11.4	
•		1		Per km	102,200.0	<u> </u>





Asphalt Pavement