

APPENDIX 2-1

Number of Freight Train of Myanma Railways

Number of Freight Train of Myanma Railways

2013 January to December Summary of Tonnage (Ton) from Freight Trains

Starting to Destination	Tonnage(Ton)
Yangon - Mongywa	3,810
Mongywa - Yangon	3,150
Yangon - Shwenyaung	25,980
Pyinmana - Yangon	74,955
Pyinmana - Yangon	51,605
Zinkyaik - Malwagone	38,864
Tharsi - Malwagone	51,077
Malwagone - Zinkyaik	16,435
Malwagone - Tharsi	55,292
Total	321,167

Number of Freight Train of Myanmar Railway

2013 January to December Number of Freight Trains from Yangon to Mongywa

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	921 up	1	26	590
Average(Per Trip)	921 up		26	590
February	921 up	1	22	490
Average(Per Trip)	921 up		22	490
March	921 up	2	46	1,100
Average(Per Trip)	921 up		23	550
			Total	3,810

2013 January to December Number of Freight Trains from Mongywa to Yangon

Sr. No	Train	Number of	Vich	Tonnage(Ton)
	Number	Trains	(4 Whellers)	0 , ,
January	922 DN	1	30	690
Average(Per Trip)	922 DN		30	690
February	922 DN	2	50	1,180
Average(Per Trip)	922 DN		25	590
			Total	3,150

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	803 up	2	74	1,730
Average(Per Trip)	803 up		37	865
February	803 up	2	80	1,890
Average(Per Trip)	803 up		40	945
March	803 up	2	82	1,930
Average(Per Trip)	803 up		41	965
April	803 up	2	82	2,000
Average(Per Trip)	803 up		41	1,000
May	803 up	2	84	2,000
Average(Per Trip)	803 up		42	1,000
June	803 up	2	78	1,840
Average(Per Trip)	803 up		39	920
July	803 up	2	84	2,000
Average(Per Trip)	803 up		42	1,000
August	803 up	2	82	1,930
Average(Per Trip)	803 up		41	965
September	803 up	2	84	2,000
Average(Per Trip)	803 up		42	1,000
			Total	25,980

2013 January to December Number of Freight Trains from Pyinmana to Yangon

			Total	74,955	
Average(Per Trip)	805 up		27.2	598	
December	805 up	11	300	6,580	
Average(Per Trip)	805 up		26.2	593	
November	805 up	10	262	5,930	
Average(Per Trip)	805 up		26	585	
October	805 up	10	258	5,850	
Average(Per Trip)	805 up		25	511	
September	805 up	9	226	5,110	
Average(Per Trip)	805 up		25.2	572	
August	805 up	11	278	6,290	
Average(Per Trip)	805 up		26	590	
July	805 up	8	208	4,720	
Average(Per Trip)	805 up		26	585	
June	805 up	10	258	5,850	
Average(Per Trip)	805 up		25.3	569	
May	805 up	13	330	7,395	
Average(Per Trip)	805 up		26	58	
April	805 up	9	232	526	
Average(Per Trip)	805 up		26	576	
March	805 up	12	306	6,910	
Average(Per Trip)	805 up		26.3	595	
February	805 up	11	290	6,540	
Average(Per Trip)	805 up		26	571	
January	805 up	12	312	6,850	
Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)	

2013 January to December Number of Freight Trains from Pyinmana to Yangon

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	806 DN	12	452	4,690
Average(Per Trip)	806 DN		38	391
February	806 DN	11	376	4,110
Average(Per Trip)	806 DN		34.1	374
March	806 DN	13	473	5,125
Average(Per Trip)	806 DN		36.3	394
April	806 DN	9	232	3,680
Average(Per Trip)	806 DN		37	409
May	806 DN	12	475	5,010
Average(Per Trip)	806 DN		40	418
June	806 DN	11	369	3,620
Average(Per Trip)	806 DN		34	329
July	806 DN	9	295	3,515
Average(Per Trip)	806 DN		33	391
August	806 DN	10	344	3,230
Average(Per Trip)	806 DN		34.4	323
September	806 DN	10	315	3,400
Average(Per Trip)	806 DN		32	340
October	806 DN	9	336	3,330
Average(Per Trip)	806 DN		37.3	370
November	806 DN	10	360	3,675
Average(Per Trip)	806 DN		36	368
December	806 DN	11	380	3,770
Average(Per Trip)	806 DN		35	343
			Total	51,605

2013 January to December Number of Freight Trains from Zyinkyaik to Malwagone

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	274 DN	11	258	5,800
Average(Per Trip)	274 DN	23.4		527
February	274 DN	10	238	5,350
Average(Per Trip)	274 DN		23.8	535
March	274 DN	13	310	6,620
Average(Per Trip)	274 DN		24	509
April	274 DN	11	288	5,620
Average(Per Trip)	274 DN		26.1	511
October	274 DN	6	156	3,310
Average(Per Trip)	274 DN		26	552
November	274 DN	11	260	4,535
Average(Per Trip)	274 DN		24	412
December	274 DN	10	2621	4,165
Average(Per Trip)	274 DN		26.2	417
			Total	38,864

2013 January to December Number of Freight Trains from Tharsi to Malwagone

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	908 DN	11	308	4,575
Average(Per Trip)	908 DN		28	416
February	908 DN	12	353	4,565
Average(Per Trip)	908 DN		29.4	380
March	908 DN	12	291	4,200
Average(Per Trip)	908 DN		24.2	350
April	908 DN	10	268	3,815
Average(Per Trip)	908 DN		27	382
May	908 DN	8	191	2,665
Average(Per Trip)	908 DN		24	333
June	908 DN	13	350	5,585
Average(Per Trip)	908 DN		27	430
July	908 DN	11	380	4,650
Average(Per Trip)	908 DN		35	423
August	908 DN	9	350	4,005
Average(Per Trip)	908 DN		39	445
September	908 DN	10	350	4,450
Average(Per Trip)	908 DN		35	445
October	908 DN	13	454	5,910
Average(Per Trip)	908 DN		35	455
November	908 DN	5	142	2,165
Average(Per Trip)	908 DN		28.4	433
December	908 DN			
Average(Per Trip)	908 DN			
			Total	51,077

2013 January to December Number of Freight Trains from Malwagone to Zinkyaik

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	273 up	9	255	2,260
Average(Per Trip)	273 up		28.3	251
February	273 up	7	188	1,630
Average(Per Trip)	273 up		27	233
March	273 up	15	360	2,915
Average(Per Trip)	273 up		24	194
April	273 up	8	235	1,590
Average(Per Trip)	273 up		29.3	199
October	273 up	7	182	1,820
Average(Per Trip)	273 up		26	260
November	273 up	13	348	2,780
Average(Per Trip)	273 up		27	214
December	273 up	9	236	1,880
Average(Per Trip)	273 up		26.2	209
			Total	16,435

2013 January to December Number of Freight Trains from Malwagone to Tharsi

Sr. No	Train Number	Number of Trains	Vich (4 Whellers)	Tonnage(Ton)
January	907 up	12	273	570
Average(Per Trip)	907 up		23	48
February	907 up	11	250	5,240
Average(Per Trip)	907 up		23	476
March	907 up	13	304	6,100
Average(Per Trip)	907 up		23.3	469
April	907 up	10	23.3	4,645
Average(Per Trip)	907 up		23.3	465
May	907 up	10	237	4,570
Average(Per Trip)	907 up		24	475
June	907 up	12	261	5,290
Average(Per Trip)	907 up		22	441
July	907 up	11	252	5,170
Average(Per Trip)	907 up		23	470
August	907 up	10	233	4,780
Average(Per Trip)	907 up		23.3	478
September	907 up	10	236	4,920
Average(Per Trip)	907 up		24	492
October	907 up	13	353	6,600
Average(Per Trip)	907 up		27.1	508
November	907 up	5	142	2,570
Average(Per Trip)	907 up		28.4	514
December	907 up			
Average(Per Trip)	907 up			

APPENDIX 2-2

Special Train

Special Train

Facts of Special Train

1.Station

(Left Route) Yangon, Pazun Daung, Ma Iwa Gone, Kan Bae, Tatar Kalay, Pa Yut Sate Kone, Mingalar Don, Danyin Gone,

(Right Route) Phayar lan, Kyee Myin Dyine, Kamar Yut, Thamine, Innsein

2. Travelling Hours

-Yangon - Innsein 45 Minutes

-Yangon- Mingalardon 50 Minutes

-Yangon - Mingalardon - Innsein 1 hour and 25 Minutes

-Yangon - Mingalardon - Innsein - Yangon Left 2 hours and 15 Minutes

-Yangon - Innsein - Mingalardon - Yanong Right 2 hours and 15 Minutes

3.Differences in Travelling Hour

Route	Other train's Travelling Hour	Special Train Travelling Hour	Difference
Yangon - Innsein	55 Minutes	45 Minutes	10 Minutes
Yangon - Mingalardon	1 hour & 05 Minutes	50 Minutes	15 Minutes
Yangon - Mingalardon - Innsein	1 hour & 45 Minutes	1 hour & 25 Minutes	20 Minutes
Round Trip	2 hours & 50 Minutes	2 hour & 15 Minutes	35 Minutes

[&]quot; Starting run Special Yangon Circular Train "

Left Route

	Trains					
Station	Special -					
	1	3	4	7	8	
Yangon		09:55	12:20		16:20	
Pazun Daung		09:58	12:23		16:23	
_		10:00	12:25		16:25	
Ma Lwa Gone		10:04	12:29		16:29	
Ivia Lwa Gorie		10:06	12:31		16:31	
		10:16	12:41		16:41	
Kan Bae		10:18	12:41		16:43	
Tatar Kalay		10:28	12:53		16:53	
		10:30	12:55		16:55	
Pa Yut Sate Gone		10:34	12:59		16:59	
Pa ful Sale Gone		10:36	13:01		17:01	
Mingalar Done		10:45	12:10		17:10	
		10:47	13:10		17:12	
Danyin Gone		11:07			17:32	
		11:09			17:34	
lanasia		11:20				
Innsein	06:30	11:22		15:30	17:45	
					171.10	
Thamine	06:38	11:30		15:38		
	06:40	11:32		15:40		
Kamar Yut	06:48	11:40		15:48		
Namai Tut	06:50	11:42		15:50		
	06:58	11:50		15:58		
Kyee Myin Daing	07:00	11:50		16:00		
Phayar Lan	07:10	12:03		16:10		
,	07:12	12:05		16:12		
Yangon						
l aligon	07:15	12:10		16:15		

Right Route

Ctation		Trains	
Station	Special - 2	Special - 5	Special - 6
Yangon	07:25		14:40
Phayar Lan	07:25 07:31		14:44 14:46
Kyee Myin Dyine	07:41 07:43		14:56 14:58
Kamar Yut	07:51 07:53		15:06 15:08
Thamine	08:00 08:02		15:05 15:07
Innsein	08:10 08:12		15:25
Danyin Gone	08:23 08:25		
Mingalar Don	08:45 08:47	13:35	
Pa Yut Sate Kone	08:56 08:58	13:44 13:46	
Tatar Kalay	09:02 09:04	13:50 13:52	
Kan Bae	09:14 09:16	14:02 14:04	
Ma Lwa Gone	09:26 09:28	14:14 14:16	
Pazun Daung	09:34 09:36	14:20 14:22	
Yangon	09:40	14:25	

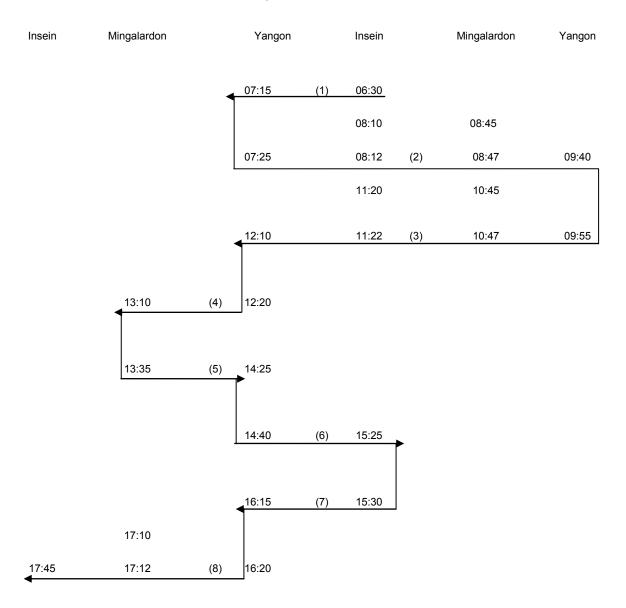
Left Route (Stop awhile 3 Minutes)

			Trains		
Station	Special -	Special -	Special - 4	Special - 7	Special - 8
Yangon		09:55	12:20		16:20
Pazun Daung		09:58 10:01	12:23 12:26		16:23 16:26
Ma Lwa Gone		10:04 10:07	12:29 12:32		16:29 16:32
Kan Bae		10:16 10:19	12:41 12:44		16:41 16:44
Tatar Kalay		10:28 10:31	12:53 12:56		16:53 16:56
Pa Yut Sate Gone		10:34 10:37	12:59 13:02		16:59 17:02
Mingalar Done		10:45 10:48	13:10		17:10 17:13
Danyin Gone		11:08 11:11			17:32 17:35
Innsein	06:30	11:21 11:24		15:30	17:45
Thamine	06:38 06:41	11:32 11:35		15:37 15:40	
Kamar Yut	06:49 06:52	11:42 11:45		15:47 15:50	
Kyee Myin Dyine	07:00 07:03	11:52 11:55		15:57 16:00	
Phayar Lan	07:10 07:13	12:04 12:07		16:09 16:12	
Yangon	07:15	12:10		16:15	

Right Route (Stop awhile 3 Minutes)

Chatian		Trains	
Station	Special - 2	Special - 5	Special - 6
Yangon	07:25		14:40
Phayar Lan	07:28 07:31		14:43 14:46
Kyee Myin Dyine	07:39 07:42		14:55 14:58
Kamar Yut	07:49 07:52		15:05 15:08
Thamine	08:00 08:03		15:15 15:18
Innsein	08:10 08:13		15:25
Danyin Gone	08:23 08:26		
Mingalar Don	08:45 08:48	13:35	
Pa Yut Sate Kone	08:57 09:00	13:43 13:46	
Tatar Kalay	09:03 09:06	13:49 13:52	
Kan Bae	09:16 09:19	14:01 14:04	
Ma Lwa Gone	09:28 09:31	14:12 14:16	
Pazun Daung	09:33 09:36	14:18 14:21	
Yangon	09:40	14:25	

Special Train Route



APPENDIX 2-3

Review of Safety Control and Security Situation
(Include Accident)

Review of Safety Control and Security Situation (Include Accident)

						Ty	pe of Acc	ident			
No.	Date	Location	Train Number	Collision	Level Crossi ng	Train Partin g	Derail ment (Yard)	Derailm ent (Sectio n)	Oth er	Injur y	Dea th
1	29.1.10	Arrival of Guogone Station	Za/4							✓	
2	16.2.10	Between Okkalapa- Waibagi (Mile 10/16-17)	Nagyi/5								✓
3	19.2.10	Lanmataw Station								✓	
4	25.2.10	Yangon Station	Ta/3							✓	
5	6.3.10	Kyeemyindaing Station	Ta/7							✓	
6	11.3.10	Between Paywetseikkone - Waibagi (Mile 11/11-12)	Kha/8					✓			
7	15.3.10	Panhlaing Station (Mile 2/24)	Kha/14								✓
8	4.4.10	Kyeemyindaing Station	Nya(speci al)								
9	22.4.10	Between Mingaladon-Paywetseikkon (Mile 10/11-12)	Pa/7					√			
10	7.5.10	Near Okakyin Station	Sa/5							✓	
11	18.5.10	Near Kyeemyindaing Cabin	Ma/11								✓
12	21.5.10	Aungsan Station	Ta/6							✓	
13	31.5.10	Thamine Station	Ka/7								✓
14	4.6.10	Between Phwakan-Aungsan (Mile 11/6-7)	Hta(speci al)					√			
15	4.6.10	Between Okakyin-Thamine (Mile 6/25-26)	Nga/16		✓						
16	12.6.10	Yegu Station	Pa/4							✓	

	[coldent (Circular) 2010					Type of A	Accident			
No.	Date	Location	Train Number	Collision	Level Cross ing	Train Partin g	Derail ment (Yard)	Derailmen t (Section)	Oth er	Injur y	Death
17	20.6.10	Yegu Station	Ta/6							✓	
18	17.7.10	Malwagone Cabin	RGC-24							✓	
19	24.7.10	Between Panhlaing - Ahlone Street (Mile 1/19/18)	Kha/14								✓
20	27.7.10	Kyeemyindaing Station	Kha/2							✓	
21	1.8.10	Kyeemyindaing Station	Kha/14							✓	
22	10.8.10	Between Danyingone - Aungsan	Sadan-6								✓
23	12.8.10	Between Kamayut - Thiri Myine	Sadan-10								√
24	20.8.10	Insein Yard	Pa/1				✓				
25	22.8.10	Paywetseikkone Yard	Sabel-12				✓				
26	24.8.10	Between Mingaladone - Mingaladone Buzza	Kha/13							✓	
27	2.9.10	Ahlone Street Station	Tha/7							✓	
28	19.9.10	Between Paywetseikkone - Kyautyetwin (Mile 11/11-12)	Nga/7					√			
29	30.9.10	Okkalapa Yard	Ta/5				✓				
30	29.10.10	Between Okkalapa - Waibagi (Mile (10/23)-(11/1)	Ta/4					√			
31	31.10.10	Parame Station	Nga/7							✓	
32	5.11.10	Kyeemyindaing Station	Sa/13							✓	
33	7.11.10	Between Kamayut - Thiri Myine	Pa/12								✓
34	15.11.10	Baukthaw Station	Pa/7							✓	
35	22.11.10	Phwakan - Aungsan	Nagyi/3							✓	
36	22.11.10	No(5) Platform, Yangon Station	Nya/5							✓	

1710		dent (Circular) 2011					Type of A	Accident			
No.	Date	Location	Train Number	Collision	Level Cros sing	Train Partin g	Derail ment (Yard)	Derailme nt (Section)	Other	Injury	Death
1	16.1.11	Between Baukthaw - Kanbe	Ka/3							✓	
2	3.2.11	Between Malwagone - Pazundaung	Nya/4							✓	
3	8.2.11	Malwagone Station	Ha/2							✓	
4	13.2.11	Between Kamayut - Hletan (Mile 5/7)	Pa/5					√			
5	16.2.11	Between Kyeemyindaing - Panhlaing (Mile 3/2-4)	Nga/9					✓			
6	19.3.11	Danyingone Yard	Za/4				✓				
7	2.4.11	Between Kamayut - Hletan	Kha/1								√
8	3.4.11	Thamine Station	Za/2								✓
9	10.4.11	Panhlaing Station	Ta/1							✓	
10	13.4.11	Hanthawaddy Station	Sa/13								✓
11	22.4.11	Kamayut Station	Sa/2								✓
12	5.5.11	Paywetseikkone Station	Nga/7							✓	
13	6.5.11	Insein Station	Za/6							✓	
14	29.5.11	Paywetseikkone Yard	Ta/12				✓				
15	30.5.11	Insein Station	Sadan-2							✓	
16	23.7.11	Between Mingaladon - Waibagi (Mile 11/20-21)	Sabel-6					✓			

Туре	OI ACCIU	ent (Circular) 2011	l	l			T f A	!-!4			
No			Train				Type of A		1	1	
No.	Date	Location	Number	Collision	Level Crossi ng	Train Partin g	Derail ment (Yard)	Derailme nt (Section)	Oth er	Injury	Death
17	27.6.11	Between Malwagone - Pazundaung (Mile 1/9-8)	Ta/12					✓			
18	12.7.11	Paywetseikkon Station (Mile 9/22-23)	Nagyi/5							√	
19	1.8.11	Insein Station	Ka/							✓	
20	12.8.11	Insein Yard	Za/1				✓				
21	1.9.11	Between Kamayut - Hletan (Mile 5/4-5)	Ta/8					✓			
22	16.9.11	Phaya Rd. Station	Ma (special)							✓	
23	18.9.11	Yangon Yard	Kha/8				✓				
24	20.9.11	Kyeemyindaing Station (Mile 3/12)	Sa/10							✓	
25	1.10.11	Mingaladon Station (Mile 12/16-15)	Kha/13								
26	11.11.11	Between Yangon - Pazundaung (Mile 0/18-19)	Nya/4								√
27	27.11.11	Hanthawaddy Station (Mile 4/11-12)	72 Down								
28	7.12.11	Mingaladon Gate	Ta/13		√						
29	8.12.11	Between Phawkan - Ywama (Mile 11/22-23)	Nagyi/4							✓	
30	12.12.11	Between Danyingone -Aungsan (Mile 12/3-4)	Kha/6								✓
31	15.12.11	Between Hanthawaddy - Hletan (Mile 4/19-20)	Tha/4							✓	
32	25.12.11	Malwagone Station (Mile 2/6)	Sadan/7							✓	

Турс	OI ACCI	dent (Circular) 2012				-	Type of Acci	dent			
No.	Date	Location	Train Num ber	Collisi	Level Crossing	Train Parting	Derailme nt (Yard)	Derailme nt (Section)	Oth er	Injury	Deat h
1	11.1.12	Between Kyeemyindaing - Hanthawaddy (Mile 4/2-3)	Sa/7								
2	18.1.12	Gyogone Station (Mile 8/6-7)	Sa/7								
3	17.2.12	Between Danyingone - Insein (Mile 10/14-15)	Kha/ 11					√			
4	18.2.12	Between Danyingone - Aungsan (Mile 11/19-20)	Nga/ 14							✓	
5	4.3.12	Hletan Station (Mile 4/19-24)	Ka/5							✓	
6	5.3.12	Paywetseikkon Yard	Ka/4				✓				
7	11.3.12	Between Waibagi - Okkalapa (Mile 10/23-21)	Pa/3					√			
8	19.3.12	Near of Point (13), Yangon	Ta/8								✓
9	21.3.12	Pazundaung Yard	Ha/1				✓				
10	30.3.12	Theinphyu Stock Gate, Yangon-Pazundaung (M ile 0/5-9)	Nagy i/8								✓
11	2.4.12	Thamine Station(Mile 7/6)	Sabe I/2							✓	✓
12	30.4.12	Between Phawkan-Aungsan (Mile 10/9-10)	Ya/2							✓	
13	6.5.12	Between Baukthaw -Kanbe (Mile 4/19-20)	Za/8								✓
14	11.6.12	Phawkan Station (Mile 10/19-21)	Ta/8								✓
15	30.6.12	Between Okkalapa-Waibagi (Mile 10/2-3)	Nga/ 10					✓			
16	31.7.12	Insein Yard	Kha/ 1				√				
17	10.8.12	Betweeen Hletan-Kamaryut (Mile 9/10)	Sa/2							√	

Турс	OI ACCIU	ent (Circular) 2012		Type of Accident									
			Train				ype of Acc			ı			
No.	Date	Location	Numb er	Collisi on	Level Crossing	Train Parting	Derailm ent (Yard)	Derail ment (Sectio n)	Oth er	Injury	Death		
18	20.8.12	Insein Station (Mile 9/10)	Sa/5								\checkmark		
19	31.8.12	Between Tadakalay - Yegu (Mile 7/23-24)	Kha/5							✓			
20	5.8.12	Shwepyithar Yard	Tha/2				✓						
21	27.8.12	Between Mingaladon - Danyingone (Mile 14/19-20)	Ta/8					✓					
22	1.9.12	Okakyin Station (Mile 6/22-23)	Tha/2								✓		
23	2.9.12	Kamayut Station (Mile 3/15-16)	Kha/5								✓		
24	10.9.12	Between Mingaladon - Danyingone (Mile 14/2-3)	Ta/8					✓					
25	10.9.12	Kyeemyindaing Yard	Sada n/6				✓						
26	29.9.12	Between Parame - Yegu (Mile 7/2-3)	Za/8								✓		
27	30.9.12	Yangon Yard	Kha/5				✓						
28	15.10.1 2	Paukkan Yard	Za/1				✓						
29	22.10.1	Between Danyingone - Industrial Zone (2) (Mile 12/24-13/1)	Kha/3								✓		
30	27.10.1 2	Tadakalay Station (Mile 7/24-25)	Kha/3								✓		
31	1.11.12	Hletan Station (Mile 5/7-8)	Kha/1 4							✓			
32	1.11.12	Between Okkalapa- Paywetseikkon (Mile 9/23-24)	Ka/11								✓		
33	3.11.12	Kyaikkalel-Mingaladon (Mile 13/10/11)	Sa/1								✓		
34	16.11.1 2	Between Hletan - Kamayut	Kha/1 4							✓			
35	6.12.12	Mingaladon Station	Za/1								✓		
36	6.12.12	Mingaladon Station	Za/1								✓		
37	14.12.1 2	Between Myittanyunt - Tarmwe (Mile 3/9-10)	Kha/6					✓					
38	28.12.1 2	Pazundaung Station	Nag/6							✓			

Туре	OI ACCI	dent (Circular) 2013	,				Type of Ac	cident			
No.	Date	Location	Train Number	Collisi on	Level Crossi ng	Train Parting	Derailme nt (Yard)	Derailme nt (Section)	Other	Injury	Death
1	12.1.1 3	Between Myinttanyunt-Tamwe	Za-8						✓	✓	
2	20.1.1	Thamaing Myothit	Kha-5							√	
3	28.1.1 3	Between Paywatseikkone-Ming alardone (Mile 10/6-7)	Kha-7					✓			
4	14.2.1 3	Insein Yard	Nya-16				✓				
5	14.2.1 3	Between Pyi Street-Lanmadaw	Nga-9							✓	
6	16.2.1 3	Insein Station	Za-8							✓	
7	26.2.1 3	Between Kamaryut -Hledan	Nga-15								√
8	11.3.1 3	Between Aungsan-Danyingone	Sa-1								√
9	19.3.1 3	Hantharwaddy Station	Kha-1								√
10	3.4.13	Kimendaine Station	Kha-5							√	
11	17.4.1 3	Between Okkalapa-Weibergi (Mile 10/6-7)	Kha-7		√						
12	20.5.1	Panhlaing Station	Kha-2								√
13	21.5.1 3	Okkyin Station	Za-2							√	
14	2.6.13	Paywaseikkone Station	Za-7								√

Турс	OI Accia	ent (Circular) 2013	,				Type of Acc	ident			
No.	Date	Location	Train Number	Collision	Level Crossi ng	Train Parting	Derailme nt (Yard)	Derailme nt (Section)	Oth er	Injury	Death
15	21.6.13	Between Hlawka-Danyingone	Ya-10								✓
16	4.8.13	Between Golf Course-Kyaikkale (Mile 14/21-22)	Saden-7		✓						
17	6.11.13	Mingalardone Yard	Nagyi-8				✓				
18	11.8.13	Kamaryut Station	Za-6								✓
19	19.8.13	Between Okkalapa-Weibergi	Ta-13							✓	
20	23.9.13	Paywatseikkone Station	Nagyi-7								√
21	1.10.13	Mahlawagone Station	Sa-6								√
22	8.10.13	Between Thamaing myothit-Thaming Station	Kha-13							✓	
23	5.11.13	Paywatseikkone Station	Sa-11							✓	
24	5.11.13	Between Hledan-Hantharwad dy	Za(Special)								✓
25	14.11.1 3	Insein Yard	Nagyi-4				✓				
26	30.11.1	Between Kamaryut-Thirimyain g	Za-2							√	
27	2.12.13	Thirimyaing Station	Za-2							✓	
28	4.12.13	Gyogone Gate	Nya-1		✓						
29	31.12.1	Pazundaung Station	Nga-11								✓

Type of Accident (Suburban) 2013

							Type of Ac	ccident			
No.	Date	Location	Train Number	Collisio n	Level Crossi ng	Train Partin g	Derailme nt (Yard)	Derailme nt (Section)	Other	Injury	Death
1	14.1.13	Between Okkphosu-Thilawa (Mile-20/13-14)	DD-1117					✓			
2	7.2.13	Dagon University Station	Ba-3							✓	
3	6.4.13	Okkphosu Station	Kha-5								✓
4	8.5.13	Dagon University Yard	Ha/5				✓				
5	22.5.13	Toekyaunggale Yard	Na/5				✓				
6	23.5.13	Toekyaunggale Yard	Inkyin-3								
7	29.5.13	Between Computer University-Hlawka (Mile-10/22-21)	Gagyi-2					✓			
8	21.6.13	Between Dagon University-Toekyaungga le(Mile 10/22-21)	Ba/4					√			
9	22.6.13	Dagon University Yard	Ba/5				✓				
10	7.7.13	Dagon University Yard	Nya/8				√				
11	9.7.13	Between Okkphosu-East University (Mile-17/2-3)	Ba/1					√			
12	16.7.13	Between Okkphosu-East University (Mile-16/23-24)	Ba/1					√			

Type of Accident (Suburban) 2013

Type	Type of Accident (Suburban) 2013									1		
No.	Date		Train	Type of Accident								
		Location	Numb er	Collisio n	Level Crossi ng	Train Parting	Derail ment (Yard)	Derailme nt (Section)	Oth er	Injury	Death	
13	17.7.13	Okkphosu Yard	Da-4				✓					
14	25.7.13	Between Okkphosu-East University (Mile 9/18-19)	Nya/1					✓				
15	25.7.13	Between Toekyaunggale-Kwena (Mile 9/18-19)	Inkyin- 3					✓				
16	29.7.13	Thingangyun Station	Na-4								✓	
17	5.8.13	Between Kwema-Toekyaunggale (Mile 8/8-9)	Inkyin- 2					√				
18	9.8.13	Between Kwema-Weibergi	Da-6							✓		
19	8.8.13	Between East University-Okkphosu (Mile 15/18-19)	Ba-2					√				
20	28.8.13	Dagon University Yard	Ya-2				✓					
21	23.8.13	Okkphosu Station	Ta-13							✓		
22	4.9.13	Between Okkphosu-East University (Mile 17/1-2)	Ba-1					√				
23	9.10.13	Between Okkphosu-East University (Mile 16/2-3)	Nya-2					√				
24	19.10.13	Between Kwema-Toekyaunggale (Mile 8/20-19)	Ba-2					√				

APPENDIX 3-1

Calculation of Mile Post and Kilo Post

Calculation of Mile Post and Kilo Post

No	Station	Milestone	Mile	Equivalent to	Equivarent to km	Survey data km		
110	Otation			km	Crock Wise	Crock Wise		
1	Yangon Central	0/0	0	0.00	0.00	0.00		
2	Phaya Rd.	0/15	0.625	1.01	1.01	0.90		
3	Lanmataw	1/0	1	1.61	1.61	1.43		
4	Pyay Rd.	1/11	1.45	2.33	2.33	2.05		
5	Shan Rd.	2/0	2	3.22	3.22	3.04		
6	Ahlone Rd.	2/11	2.45	3.94	3.94	3.72		
7	Panhlaing Rd.	2/22	2.91	4.68	4.68	4.51		
8	Kyeemyindaing	3/13	3.54	5.70	5.70	5.55		
9	Hanthawaddy	4/7	5.79	9.32	9.32	6.64		
10	Hletan	4/19	4.79	7.71	7.71	7.57		
11	Kamayut	5/22	5.91	9.51	9.51	9.40		
12	Thiri Myine	6/13	6.54	10.52	10.52	10.42		
13	Okakyin	6/23	6.95	11.18	11.18	11.12		
14	Thamine	7/7	7.29	11.73	11.73	11.79		
15	Thamine Myothit	7/18	7.75	12.47	12.47	12.46		
16	Kyuntkon	8/5-6	8.23	13.24	13.24	13.32		
17	Insein	9/1-2	9.06	14.58	14.58	14.54		
18	Ywama	10/0-1	10.02	16.12	16.12	16.24		
19	Phwakan	10/18-19	10.77	17.33	17.33	17.51		
20	Aungsanmyo	11/9-10	11.39	18.33	18.33	18.34		
21	Danyingone	12/13-14	12.56	20.21	20.21	20.29		
21	Danyingone	15/20	15.83	25.47	20.21	20.29		
22	Gauk Kwin	14/20-21	14.85	23.89	21.79	21.91		
23	Kyaikkalel	13/16	13.67	22.00	23.68	24.61		
24	Mingaladon Buzza	12/18	12.75	20.51	25.16	26.05		
25	Mingaladon	12/4	12.16	19.57	26.11	27.02		
26	Waibagi	11/7	11.29	18.17	27.51	28.50		
27	Okkalapa	10/4	10.16	16.35	29.33	30.23		
28	Paywetseikkon	9/17	9.7	15.61	30.07	31.01		
29	Kyaukyetwin	8/23	8.95	14.40	31.28	32.21		
30	Tadakalay	8/4	8.16	13.13	32.55	33.49		
31	Yegu	7/4	7.16	11.52	34.16	35.15		
32	Parame	6/4	6.16	9.91	35.77	36.68		
33	Kanbe	5/15	5.64	9.07	36.60	37.67		
34	Baukthaw	4/13	4.54	7.30	38.37	39.37		
35	Tarmwe	3/22	3.91	6.29	39.39	40.42		
36	Myittanyunt	3/5	3.2	5.15	40.53	41.42		
37	Malwagone	2/7	2.29	3.68	41.99	42.50		
38	Pazundaung	1/0	1	1.61	44.07	44.50		
39	Yangon Central	0/0	0	0.00	45.68	46.12		
×1Mile = 1.609km								

※1Mile = 1.609km

APPENDIX 3-2

Measurement of Track Irregularity

Measurement of Track Irregularities

Date: 14.8.2012

DE: <u>3 MDY</u> APWI: MOH PWI: MDY

	ı	UP/DN : 381/0-9 (DN -Line) Track Irregularities (MM)								
Measure STN :		Т	Twist	Remarks						
Mile (km) Post No.	G	X.L	L.L	L.A	R.L	R.A	I WISC	Remarks		
0		0	+4	0	+7	0				
1		-13	+1	0	+12	+2	+13			
2		-16	-8	0	-6	0	+3			
3		-16	+16	-2	+6	-1	0			
4		-6	-7	0	-2	0	-10			
5		0	-3	+3	-5	0	6			
6		0	+10	-3	+8	0	0			
7		0	+7	+6	+7	+2	0			
8		0	-0	0	0	+2	0			
9		0	+2	-7	+2	0	0			
10		-6	+2	0	+2	-4	+6			
1		-6	+8	0	+8	+5	0			
2		-6	-6	0	-8	0	0			
3		-6	-4	1	-3	-1	0			
4		-13	+10	-5	+7	-2	+7			
5		-13	-6	0	-7	0	0			
6		-13	0	0	0	0	0			
7		-13	+1	-8	+2	+1	0			
8		-19	+4	-6	+5	-5	+6			
9		-19	-4	-6	-5	-5	0			
20		-19	+6	-6	+7	-6	0			
1		-19	+1	-1	-4	-1	0			
2		-13	-7	0	-6	0	-6			
3		-13	+13	+7	+15	+7	0			
4		-6	+6	-8	+4	-6	-7			
5		0	-10	-4	-8	-4	-6			
6		-6	-3	-4	-7	-4	+6			
7		-19	+9	-4	-16	-4	+13			
8		-19	0	-5	0	-13	0			
9		-19	-8	+3	-4	0	0			

G = Track Gauge L.L = Left Longitudinal Level X.L = Cross Level© L.A = Left Aligment

R.L = Right Longitudinal Level

R.A = Right Alligment

Measurement of Track Irregularities

Date: 14.8.2012

PWI: APWI: MOH **MDY** DE: <u>3 MDY</u>

LIP/DN · 381/0-9 (DN -l ine)

				7/UN:381/(0-9 (DN -Line) I				
Measure STN :			Т	Twist	Remarks				
Mile (km)	Post No.	G	X.L	L.L	L.A	R.L	R.A	1	
	30		-19	-2	+6	0	+1	0	
	1		-13	-8	+6	-15	+6	-6	
	2		-13	-8	0	-9	0	0	
	3		-13	+5	-6	+5	-6	0	
	4		-13	-6	-6	-5	-4	0	
	5		-6	+9	-2	+10	-2	0	
	6		-13	-3	-2	-5	-3	-7	
	7		-6	+7	-4	+12	-5	+7	
	8		-6	+13	-4	+10	-1	-7	
	9		-6	-9	-2	-9	0	0	
	40		0	-7	+1	+2	+1	0	
	1		-6	+5	+2	+5	+3	-6	
	2		0	-4	+1	-3	+1	+6	
	3		-6	+13	0	+12	0	-6	
	4		-6	0	-2	+7	+1	+6	
	5		0	-4	-2	-4	+2	0	
	6		0	+14	-2	+10	-3	-6	
	7		0	+11	+3	+9	+7	0	
	8		0	-2	-4	-2	-4	0	
	9		0	+8	-4	+6	-4	0	
	50		0	+13	0	+12	+1	0	
	1		0	-4	-3	-3	0	0	
	2		0	+8	-3	+5	0	0	
	3		0	\+3	0	+3	0	0	
	4		0	-3	-5	-2	-3	0	
	5		-6	+10	-4	+10	-3	+6	
	6		-6	+6	-4	+4	-2	0	
	7		-6	-2	-7	-2	-5	0	
	8		-6	+3	0	+15	-7	0	
	9		0	-4	+6	-6	+6	0	

G = Track Gauge X.L =Cross Level©

L.L = Left Longitudinal Level L.A = Left Aligment

R.L = Right Longitudinal Level R.A = Right Alligment

Measurement of Track Irregularities

Date: 14.8.2012

APWI: MOH PWI: <u>MDY</u> **DE**: <u>3 MDY</u>

UP/DN : 381/0-9 (DN -Line)

Measure STN :			Т	P/DN : 381/0					
Mile (km)	Post No.	G	X.L	L.L	L.A	R.L	R.A	Twist	Remarks
	60		-6	+4	-3	+10	-3	+6	
	1		-6	-2	-4	-2	-4	0	
	2		-6	+5	-6	+2	-6	0	
	3		0	+1	+4	+16	+4	-6	
	4		0	-7	+3	-7	+3	0	
	5		-6	+3	+2	+5	0	+6	
	6		-6	+6	+1	0	+2	0	
	7		0	+2	+3	+2	+3	-6	
	8		0	-2	+2	-3	+2	0	
	9		0	-2	+1	-3	+1	0	
	70		0	+3	0	+3	0	0	
	1		0	+8	-8	-7	-6	0	
	2		0	0	-1	-2	-1	0	
	3		0	-6	0	-1	0	0	
	4		-6	+11	+2	+12	+4	+6	
	5		-6	-6	+2	-1	+2	0	
	6		-6	+5	+2	+5	-3	0	
	7		0	+5	-4	+5	-5	-6	
	8		-6	-5	-3	0	-3	+6	
	9		-6	+5	-2	+5	+1	0	
	80		-6	+8	-5	-1	-5	0	
	1		-6	+6	-3	0	-3	0	
	2		0	+4	-3	0	-3	-6	
	3		0	+2	+2	+2	+2	0	
	4		0	+2	+3	-3	0	0	
	5		0	-5	+1	-4	+1	0	
	6		0	-4	-5	-5	-4	0	
	7		0	+3	0	+4	-5	0	
	8		0	-4	0	2	0	0	
	9		0	-3	+4	-4	+1	0	

G = Track Gauge L.L = Left Longitudinal Level

R.L = Right Longitudinal Level

X.L =Cross Level©

L.A = Left Aligment

R.A = Right Alligment

Measurement of Track Irregularities

Date: 14.8.2012

APWI: MOH PWI: MDY DE: 3 MDY

UP/DN: 381/0-9 (DN -Line)

T							U	P/DN : 381/	0-9 (DN -Line)
Measu	re STN :		Т	rack Irregu	larities (M	M)		Twist	Remarks
Mile (km)	Post No.	G	X.L	L.L	L.A	R.L	R.A	IWIST	Remarks
	90		0	-4	-1	-6	-2	0	
	1		+6	-7	+3	-7	+3	-6	
	2		0	+10	+2	+11	+5	+6	
	3		0	0	-5	0	-11	0	
	4		0	-7	-3	-7	-3	0	
	5		0	-1	-2	-1	+3	0	
	6		0	+3	+6	+3	+1	0	
	7		0	-4	-4	-4	-5	0	
	8		0	-3	-2	-3	-2	0	
	9		0	+9	+6	+9	+5	0	
	100		0	-6	-8	-6	-5	0	
	1		+6	-5	-4	-2	-4	-6	
	2		+6	+1	+1	+7	+1	0	
	3		+6	-2	-5	+4	-6	0	
	4		+6	-5	-3	-2	-3	0	
	5		+6	+4	-2	+7	-1	0	
	6		0	+5	-2	+5	-1	+6	
	7		0	-6	-2	-8	-2	0	
	8		0	+4	-2	-2	-3	0	
	9		0	+3	+3	+6	+3	0	
	110		+6	-4	-2	-8	-3	-6	

G = Track Gauge 1 X.L =Cross Level© L.L = Left Longitudinal Level L.A = Left Aligment R.L = Right Longitudinal Level R.A = Right Alligment

APPENDIX 3-3-1

Summary of Survey Data about Side Drainage

Summary of Survey Data about Side Drainage

Infrastructure No	MR's ID No	Survey date	Туре	Length (m)	Detail of Length	Bridge width (m)		urrent Conditi B: Repair C:		Remarks
SD01	C16DX	2014/2/21	Drainage	0.67	-	1.25	-	-	-	
SD02	C16EX	2014/2/21	Drainage	0.56	-	1.25	С	В	-	
SD03	C16FX	2014/2/21	Drainage	-	-	-	-	-	-	
SD04	C16GX	2014/2/21	Drainage	-	-	-	-	-	-	
SD05	C17AX	2014/2/21	Drainage	-	-	-	-	-	-	
SD06	C18CX	2014/2/21	Drainage	0.52	-	1.25	С	Α	-	
SD07	C22BX	2014/2/22	Bric	0.53	-	1.25	С	С	-	

APPENDIX 3-3-2

DATA SHEET for SIDE DRAINAGE

Side Drainage No.	: Side Drainage	Name :					
Identification No.:						Survey Date:	2014/2/21
Betweer	n Hanthav	vaddy	station	and		Hletan	station
Mile Post (distance	from Yanngon RS.)		MR'	s officia	l data	Measured b	y YUTRA*
clockwis	e:			-			
anti-cloc	kwise(if any):						
equivalent KM Pos	t (distance from Yange	on RS.)					
clockwis	e:			-		7.0)6
anti-cloc	kwise(if any):						
Type of Bridge :	Steel I girder		Year of	Built:.			
Bridge Length:	1 Span @	0.67	m =	0.67	m	Skew :c	legree
Bridge Width:	1.25 m						
Bridge Conditions: Superstr	Extent and Degree: (A: S	ound cond	dition, B: N	leed Majo	r Repair, C	: Serious condition	ו)
Abutmer	nt/Pier:			_			
Shoe:				_			
Litility line None (F	lectric / Water / Gas /	Telecon	nmunica	tion / Or	ntical fibe	er / Others(

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Side Drainage No. :	Side Drainage	Name :					
Identification No.:						Survey Date:	2014/2/21
Between	Hanthav	vaddy	station	and		Hletan	station
Mile Post (distance fr	rom Yanngon RS.)		MR's	s officia	l data	Measured b	y YUTRA*
clockwise:				-			
anti-clocky	vise(if any):						
equivalent KM Post (distance from Yang	on RS.)					
clockwise:				-		7.5	0
anti-clocky	vise(if any):						
Type of Bridge:	Steel I girder		Year of	Built :			
Bridge Length:	1 Span @	0.56	m =	0.56	m	Skew :d	legree
Bridge Width:	1.25 m						
Bridge Conditions: E	Extent and Degree: (A: S	ound cond	dition, B: N	eed Majo	r Repair, C	: Serious conditior	າ)
Superstruc	cture: C						
Abutment/	Pier: B						
Shoe:				_			
Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others()							





Remarks

Side Drainage No. : Side Dr	ainage Name :					
Identification No.:				Survey Date: 2014/2/21		
Between	Hletan	station and		Kamauyut station		
Mile Post (distance from Yanngor	RS.)	MR's official	data	Measured by YUTRA*		
clockwise:		-				
anti-clockwise(if any):						
equivalent KM Post (distance from	n Yangon RS.)					
clockwise:		-		8.02		
anti-clockwise(if any):						
Type of Bridge : Steel I girder		Year of Built :				
Bridge Length: 1 Spa	ın @	m =	m	Skew:degree		
Bridge Width: m						
Bridge Conditions: Extent and Degr	ee: (A: Sound cond	lition, B: Need Major	Repair, C	Serious condition)		
Superstructure:						
Abutment/Pier:						
Shoe:						
Utility line None Delectric / Water / Gas / Telecommunication / Optical fiber / Others()						







Remark	KS
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Side Drainage No. : Side Drainage Name :							
Identification No.:		Survey Date: 2014/2/21					
Between Hletan	station and	Kamauyut station					
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*					
clockwise:	-						
anti-clockwise(if any):							
equivalent KM Post (distance from Yangon RS.)							
clockwise:	-	8.04					
anti-clockwise(if any):							
Type of Bridge: Steel I girder	Year of Built :						
Bridge Length: 1 Span @	m = m	Skew:degree					
Bridge Width: m							
Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)							
Superstructure:							
Abutment/Pier:							
Shoe:							
Utility line None) Electric / Water / Gas / Telecon	mmunication / Optical fit	ber / Others()					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Side Drainage No. : Side Drainage Name :						
Identification No.:		Survey Date: 2014/2/21				
Between Hletan	station and	Kamauyut station				
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*				
clockwise:	-					
anti-clockwise(if any):						
equivalent KM Post (distance from Yangon RS.)						
clockwise:	-	8.30				
anti-clockwise(if any):						
Type of Bridge: Steel I girder	Year of Built :					
Bridge Length : 1 Span @	m = m	Skew:degree				
Bridge Width: m						
Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)						
Superstructure:						
Abutment/Pier:						
Shoe:						
Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others()						





Side Drainage No. : Side Dr	ainage Name :			
Identification No.:				Survey Date: 2014/2/21
Between	Hletan	station and		Kamauyut station
Mile Post (distance from Yanngor	RS.)	MR's officia	l data	Measured by YUTRA*
clockwise:		_		
anti-clockwise(if any):				
equivalent KM Post (distance fron	n Yangon RS.)			
clockwise:		-		8.57
anti-clockwise(if any):				
Type of Bridge: Steel I girder		Year of Built:.		
Bridge Length: 1 Spa	n @ 0.52	m = 0.52	m	Skew:degree
Bridge Width: 1.25 m				
Bridge Conditions: Extent and Degr	ee: (A: Sound cond	lition, B: Need Majo	r Repair, C	: Serious condition)
Superstructure: C				
Abutment/Pier: A				
Shoe:				
Utility line None) Electric / Water	/ Gas / Telecon	nmunication / O	otical fibe	r / Others()





R	em	ar	ks
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Side Drainage No. : Side D	rainage Name :			
Identification No.:				Survey Date: 2014/2/21
Between	Kyuntkon	station and		Insein station
Mile Post (distance from Yanngoi	n RS.)	MR's official	l data	Measured by YUTRA*
clockwise:		-		
anti-clockwise(if any):				
equivalent KM Post (distance from	n Yangon RS.)			
clockwise:		-		14.39
anti-clockwise(if any):				
Type of Bridge: Steel I girder		Year of Built :		
Bridge Length: 1 Spa	an @ 0.53	m = 0.53	m	Skew:degree
Bridge Width: 1.25 m				
Bridge Conditions: Extent and Deg Superstructure: C Abutment/Pier: C Shoe:				
Utility line None) Electric / Water	/ Gas / Telecom	nmunication / Op	otical fibe	r / Others()







R	er	n	а	r	k	S
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APPENDIX 3-4-1

Summary of Survey Data about Bridge

Summary of Survey Data about Bridge

Infrastructure No	MR's ID No	Survey date	Bridge Type	Bridge Length (m)	Detail of Length (m)	Bridge width (m)	Current Condition A: OK, B: Repair C: Danger			Remarks
B01	C6	2014/2/21	Steel I girder	2.73	1	1.3	С	Α	С	
B02	C11	2014/2/21	Arch brick	7	0.6+2.4+1+2.4+ 0.6	-	В	-	-	
B03	C13	2014/2/21	RC I girder	16.8	1	17.12	Α	А	С	
B04	C17	2014/2/21	Steel I girder	2.9	1	1.25	В	В	С	
B05	C18	2014/2/21	Steel I girder	10.8	5.4+5.4	1.25	Α	Α	В	
B06	C19BX	2014/2/21	Box Culvert	1.2	1	6.8	-	-	-	
B07	C20	2014/2/21	Steel I girder	7.8	3.9+3.9	1.25	Α	В	В	
B08	C21	2014/2/21	Steel I girder	10.8	5.4+5.4	-	Α	В	В	
B09	C22	2014/2/22	Steel I girder	7.7	3.85+3.85	1.25	В	B-C	С	
B10	C24	2014/2/22	Steel I girder	2.85	1	1.25	B-C	Α	С	
B11	C25	2014/2/22	Steel I girder	5.8	1	1.25	В	В	В	
B12	C26	2014/2/22	Steel I girder	7.1	1	1.4(2 span) 1.77(4span)	A-B	Α	С	
B13	C27	2014/2/22	Steel I girder	2.9	1	1.25	A-B	В	B-C	
B14	C28	2014/2/22	Brick	0.6	1	-	B-C	-	-	culvert
B15	C29	2014/2/22	None	0.6	0.6	-	None	В	None	No superstructure
B16	C30	2014/2/22	Steel I girder	2.75	1	1.25	В	Α	С	•
B17	C31	2014/3/1	Drain Box		-	-	-	-	-	
B18	C32BX	2014/2/22	Pipe culvert	3.45	-	22.3	-	В	-	No water flow due to
B19	A46	2014/2/22	Steel I girder	4	1	1.3	A-B	Α	С	
B20	A45	2014/2/22	Pipe culvert	3.45	-	15.2	-	С	-	
B21	A44	2014/2/22	Steel I girder	3.45	1	1.25	A-B	Α	С	
B22	A43	2014/2/22	Steel I girder	4	1	1.37	В	Α	A-B	There are water pipe and gas pipe
B23	A39	2014/3/1	Brick	3.5	-	0.3	-	-	-	No water flow
B24	A38	2014/2/22	Steel I girder	13.6	1	1.55	Α	В	Α	
B25	A34BX	2014/2/22	Box Culvert	2.9	1.9+0.5+0.5	9.15	В	В	-	
B26	A33	2014/2/22	Steel I girder	11.15	2	1.53×2	В	В	В	
B27	A32	2014/2/22	RC	3.8	1	2.45×2	В	В	None	
B28	A31	2014/2/22	None	0.48	1	1.29	В	В	-	Not bridge
B29	A30	2014/2/22	RC	7	4	2.4	В	В	None	
B30	A29	2014/2/22	RC	3.8	1	2.52×2	В	В	can't see	
B31	A28	2014/3/1	None	0.5	-	-	-	-	-	Same as sleeper interval

B32	A27	2014/2/22	RC	3.78	1	2.4×2	В	В	can't see	
B33	A25	2014/2/22	RC	3.83	1	2.45×2	С	С	None	
B34	A22	2014/2/22	Steel I girder	3.9	1	1.38×2	В	В	В	
B35	A20	2014/2/22	RC	7.15	1	2.45×2	В	В	None	
B36	A16	2014/2/22	Steel I girder	7.13	1	1.55×2	В	В	В	
B37	A15	2014/2/22	Steel I girder	2.8	1	1.23×2	В	В	В	
B38	A14	2014/2/22	RC	3.75	1	3.05×2	Α	Α	None	
B39	A13	2014/2/22	Steel I girder	2.85	1	1.31	В	В	None	
B40	A12	2014/2/21	Steel I girder	2.83	1	1.29	В	В	В	
B41	A11	2014/2/21	Steel I girder	2.75	1	1.26	В	В	В	
B42	A10	2014/2/21	Steel I girder	6.73	1	1.53	С	С	В	
B43	A8	2014/2/21	RC	7.1	1	2.48	В	В	None	
B44	A6	2014/2/21	Steel I girder	3	1	1.25×2	В	В	None	
B45	A3	2014/2/21	Steel, RC	3.82	0	0	В	В	-	
B46	A2	2014/2/21	Steel I girder	8	2	0	В	В	-	
B47	A1	2014/2/21	Steel I girder	2.7	0	0	В	В	-	
B48	YM9	2014/2/21	Steel I girder	41.5	3	0	В	В	can't see	a lot of rubbish
B49	YM8	2014/2/21	Steel I girder	13.75	1	0	В	В	can't see	a lot of rubbish
B50	YM5BX	2014/2/21	None	-	-	-	-	-	-	Under construction
B51	YM5AX	2014/2/21	RC	0.6	1	1.4	Α	Α	-	
B52	YM3	2014/2/21	Steel I girder	14	1	0	В	В	-	
B53	YM2	2014/2/21	Hard wood	0.6	1	0	В	В	-	side drainage

APPENDIX 3-4-2

DATA SHEET for BRIDGE

Bridge No. :	B01	Bridge	Name :	6	3		Bridg	or Culvert
Identification No.:	C6						Survey Date:	2014/2/21
Betwee	n	Lanma	ataw	station	and		Pyay Rd.	station
Mile Post (distanc	e from Yar	ngon RS.)		MR'	s officia	l data	Measured b	y YUTRA*
clockwi	se:				1/1-1/2	2		
anti-clo	ckwise(if a	ny):						
equivalent KM Pos	st (distance	e from Yango	on RS.)					
clockwi	se:				1.71		1.5	55
anti-clo	ckwise(if a	ny):						
Type of Bridge:	Steel I g	irder		Year of	Built:.			
Bridge Length:		1 Span @	2.73	m =	2.73	m	Skew :d	legree
Bridge Width:	1.3	3 m						
Dridge Conditions		1.0		rr D.A			. 0::-::-	`

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: C partially no rivet

Abutment/Pier: A

Shoe: C Adjust height by wood

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B02	Bridge Name :	-			Bric	ge or Culver	
Identification No.:	C11					Survey Date:	2014/2/21	
Between			station	and			station	
Mile Post (distance	from Yanngon	RS.)	MR's off	ficial	data	Measured b	oy YUTRA*	
clockwise) :			-				
anti-clock	(wise(if any):							
equivalent KM Post	: (distance fron	n Yangon RS.)						
clockwise	e:			-		4.	25	
anti-clock	(wise(if any):							
Type of Culvert : (Box Pipe / C	Other ()	Year of	of Built :		
Number of Cell :					Skew:	degree		
Size of Culvert :	Inner : 2.4m	xm						
	Inlet / Outlet s	size: width(m):	7		thick	kness (m):	0.6	
Length :	from inlet to	outlet m						
Culvert Conditions:	Extent and Degr	ee: (A: Sound condi	tion, B: Need M	/lajor l	Repair, C:	Serious condition	1)	
Inlet/Outl	et:							
Pipe/Box	:							

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Bridge No. :	B03	Bridge	Name :	-			Bridg	ge)or Culvert	
Identification No.:	C13						Survey Date:	2014/2/21	
Betwee	n	Panhlai	ingRd.	station	and	I	Kyeemyndaii	ng station	
Mile Post (distance	e from Yar	ngon RS.)		MR's	officia	l data	Measured b	y YUTRA*	
clockwis	se:				-				
anti-clo	ckwise(if a	ny):							
equivalent KM Pos	st (distance	e from Yang	on RS.)						
clockwis	se:				-		5.2	25	
anti-clo	ckwise(if a	ny):							
Type of Bridge:	RC I gire	der		\	ear o	f Built :			
Bridge Length:		1 Span @	16.8	m =	16.8	m	Skew :	degree	
Bridge Width:	17.12	2 m							
Bridge Conditions	Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)								

Superstructure: A peel off the paint

Abutment/Pier: A Shoe: C None

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(...........)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Bridge No. :	B04	Bridge N	lame :	17			Bridg	ge or Culvert
Identification No.:	C17						Survey Date:	2014/2/21
Betweer	1	Hletaq	n	station	and	l	Kamayut	station
Mile Post (distance	e from Yanngo	n RS.)		MR's	officia	l data	Measured by	y YUTRA*
clockwis	e:			Į į	5/4-5/5	5		
anti-cloc	kwise(if any):							
equivalent KM Pos	t (distance fro	m Yangoı	n RS.)					
clockwis			8.33		8.2	29		
anti-cloc	kwise(if any):							
Type of Bridge:	Steel I girde	r		\	∕ear o	f Built :		
Bridge Length:	1 Sp	an @	2.9	m =	2.9	m	Skew :d	legree
Bridge Width:	1.25 m	1.	7m					
Bridge Conditions:	Extent and Deg	gree: (A: So	und cond	lition, B: Ne	ed Majo	r Repair, C	: Serious condition	n)
Superst	ructure: B							

Utility line None /)Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

None

С



Abutment/Pier:

Shoe:







Remarks

Two types of gauge is applied

Bridge No. :	B05	Bridg	e Name :	18			Bridg	e or Culvert
Identification No.:	C18						Survey Date:	2014/2/21
Betweer	1	Hle	etan	station	and	k	Kamayut	station
Mile Post (distance	from Yanno	jon RS.)		MR's	officia	ıl data	Measured by	y YUTRA*
clockwis	e:			Į į	5/8-5/9	9		
anti-cloc	kwise(if any):						
equivalent KM Pos	t (distance f	om Yan	gon RS.)					
clockwis	e:				8.61		8.4	.2
anti-cloc	kwise(if any):						
Type of Bridge :	Steel I gird	er		\	ear o	of Built:		
Bridge Length:	2 5	Span @	5.4+5.4	m =	10.8	m	Skew:d	egree
Bridge Width:	1.25 r	n						
Bridge Conditions:	Extent and D	egree: (A:	Sound cond	lition, B: Ne	ed Majo	or Repair, C	: Serious condition	1)

Superstructure: Need blasting,painting

Abutment/Pier: Α

Shoe: В

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No.:		B06	Brid	ge Name :				Brid	lge or Culvert
Identification	No.:	C19BX						Survey Date:	2014/2/21
Bet	tween		Kar	nayut	station	and		Thiri Myin	e station
Mile Post (dis	stance	from Yanngo	n RS.)		MR's	official	data	Measured b	y YUTRA*
clo	ckwise):							
ant	ti-clock	wise(if any):							
equivalent KN	M Post	(distance from	m Yan	gon RS.)					
clo	ckwise):						9.	71
ant	ti-clock	wise(if any):							
Type of Culve	ert : 🤇	Box)Pipe /	Other	()	Year of	Built :	
Number of Co	ell :						Skew:	degree	
Size of Culve	ert :	Inner :	m x .	m					
		Inlet / Outlet	size:	width(m):	3.3		thick	(ness (m):	0.5
Length	:	from inlet to	outlet	6.8m					
Culvert Cond	litions:	Extent and Deg	ree: (A:	Sound condi	tion, B: Nee	d Major	Repair, C:	Serious condition	1)
	et/Outle								
Pip	e/Box:	Α							

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Bridge No. :	B07	Bridge	e Name :	20			Bridg	ge)or Culvert
Identification No.:	C20						Survey Date:	2014/2/21
Betwee	n	Kam	ayut	station	and	t	Thirimine	station
Mile Post (distanc	e from Ya	nngon RS.)		MR's	officia	l data	Measured b	y YUTRA*
clockwi	se:				6/10-6	6/11		
anti-clockwise(if any):								
equivalent KM Po	st (distand	ce from Yanç	gon RS.)					
clockwi	se:				10.35		10.	29
anti-clo	ckwise(if	any):						
Type of Bridge:	Steel I	girder		\	ear c	f Built :		
Bridge Length:		2 Span @	3.9+3.9	m =	7.8	m	Skew:d	legree
Bridge Width:	1.2	25 m						
Pridge Conditions	· Cutout o	nd Dagger (A)	Caund aan	dition D. No.	d Maia	Donoir. O	. Cariaus condition	-\

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: B deteriorated by aging

Shoe: B

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks Bridge No.20

Bridge No. :	B08	Bridg	e Name :	21		Bridg	ge)or Culvert
Identification No.:	C21					Survey Date:	2014/2/21
Betwee	n	Oal	kkyin	station	and	Thamine	station
Mile Post (distance	e from Ya	anngon RS.)		MR's	official data	Measured b	y YUTRA*
clockwis	se:			7	7/3-7/4		
anti-clo	ckwise(if	any):					
equivalent KM Pos	st (distan	ce from Yan	gon RS.)				
clockwis				11.49	11.	59	
anti-clo	ckwise(if	any):					
Type of Bridge:	Steel I	girder		`	ear of Built :		
Bridge Length:		2 Span @	5.4+5.4	m =	10.8 m	Skew:c	legree
Bridge Width:	-	m					
Bridge Conditions:	Extent a	nd Degree: (A:	Sound cond	lition, B: Nee	ed Major Repair,	C: Serious condition	١)
Superst	ructure:	Α					
Abutme	nt/Pier:	В	deteriorat	ted by agii	ng		

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Shoe:







Bridge No. :	B09	Bridge Name	: 22		Bridg	geor Culvert	
Identification No.:	C22				Survey Date:	2014/2/22	
Betwee	n	Thamine Myothi	t station	and	Kyunkon	station	
Mile Post (distance	e from Y	anngon RS.)	MR's	official data	Measured b	y YUTRA*	
clockwi		7	7/22-7/23				
anti-clo	any):						
equivalent KM Pos	st (distar	nce from Yangon RS.)				
clockwi	se:			12.76	12.	12.72	
anti-clo	ckwise(it	any):					
Type of Bridge :	Steel	l girder	,	Year of Built:			
Bridge Length:		1 Span @ 3.85+3.	85 m =	7.7 m	Skew:	degree	
Bridge Width:	1	.25 m					

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B rust

Abutment/Pier: B-C deteriorated by aging

Shoe: C Adjust height by wood

Utility line None DElectric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B10	Bridge	Name :	24			Bridg	ge)or Culvert
Identification No.:	C24						Survey Date:	2014/2/22
Between		Insei	n	station	and		Ywama	station
Mile Post (distance from Yanngon RS.)				MR's official data		Measured b	y YUTRA*	
clockwise:			,	9/8-9/9)			
anti-clockwise(if any):								
equivalent KM Post	(distance fr	om Yango	on RS.)					
clockwise	e:			15.04			15.06	
anti-clocl	kwise(if any):						
Type of Bridge:	Steel I gird	er		,	Year o	f Built :		
Bridge Length:	1 S	Span @	2.85	m =	2.85	m	Skew:c	degree
Bridge Width:	1.25 n	n		m				

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B-C rust

Abutment/Pier: A

Shoe: C Adjust height by wood

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B11	Bridge	Name :	25			Bridg	ge)or Culvert
Identification No.:	C25						Survey Date:	2014/2/22
Betwee	en	Insei	n	station	and		Ywama	station
Mile Post (distance	e from Ya	nngon RS.)		MR's	official	data	Measured b	y YUTRA*
clockwise:				9/	15-6/16	6		
anti-clockwise(if any):								
equivalent KM Po	st (distanc	e from Yango	on RS.)					
clockwi	ise:			15.51			15.51	
anti-clo	ckwise(if a	any):						
Type of Bridge :	Steel I (girder		\ \	ear of	Built :		
Bridge Length:		1 Span @	5.8	m =	5.8	m	Skew:c	legree
Bridge Width:	1.2	5 m						
								-

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B blasting

Abutment/Pier: B deteriorated by aging

Shoe: B

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B12	Bridge Name	e: 26		Bridge or Culvert
Identification No.:	C26				Survey Date: 2014/2/22
Betwee	n	Ywama	station	and	Phawkan station
Mile Post (distance	jon RS.)	MR's	s official data	Measured by YUTRA*	
clockwi	se:			101/10-10/1	1
anti-clo):				
equivalent KM Pos	st (distance fr	om Yangon RS	.)		
clockwi	se:			16.78	16.81
anti-clo	ckwise(if any)):			
Type of Bridge:	Steel I gird	er		Year of Buil	t :
Bridge Length:	1 S	Span @ 7.1	m =	7.1 m	Skew:degree
Bridge Width:	1.4 n	n 1.	.77 m		
Duid a Condition		<i>(</i> , 0 , .	5		

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A-B

Abutment/Pier: A

Shoe: C Adjust height by wood

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B13	Bridge	Name :	27			Bridg	e or Culvert
Identification No.:	C27						Survey Date:	2014/2/22
Betweer	1	Phawl	kan	station	and		Aungsanmy	o station
Mile Post (distance		MR's	official	data	Measured by	y YUTRA*		
clockwise:				11	/1-11/2			
anti-clockwise(if any):								
equivalent KM Pos	t (distan	ce from Yango	n RS.)					
clockwis	e:			17.80			17.7	78
anti-cloc	kwise(if	any):						
Type of Bridge :	Steel I	girder		\ \ \	ear of	Built :		
Bridge Length:		1 Span @	2.9	m =	2.9 ı	n	Skew:d	egree
Bridge Width:	1.	25 m						

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A-B

Abutment/Pier: B peel off mortar, crack

Shoe: B-C

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B14	Bridge Name :	26	5	Bridge	or Culvert
Identification No.:	C28				Survey Date: 2	014/2/22
Between		Kamayut	station and	I	Thiri Myine	station
Mile Post (distance	from Yanngon	RS.)	MR's officia	l data	Measured by	YUTRA*
clockwise) :		11/14-11	/15		
anti-clock	wise(if any):					
equivalent KM Post	(distance from	n Yangon RS.)				
clockwise	18.66		18.65			
anti-clock	wise(if any):					
Type of Culvert : (Box Pipe / C	Other ()) Year of Built :		
Number of Cell :				Skew:degree		
Size of Culvert:	Inner: 0.6m	xm				
	Inlet / Outlet s	size: width(m):	0.6	thicl	kness (m):	0.6
Length :	from inlet to	outlet 7.4m				
Culvert Conditions:	Extent and Degr	ee: (A: Sound condi	tion, B: Need Major	Repair, C	: Serious condition)	
Inlet/Outl	et: B-C					
Pipe/Box						

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









	D4 <i>E</i>	Dridge	Nama	20			Drida	on Culvert
	ВІЭ	Bridge	name :				Bridg	e)or Culvert
ion No.:	C29						Survey Date:	2014/2/22
Between		Aung	sanmyo	station	and	i	Danyingone	station
(distance	from Ya	nngon RS.)		MR's official data			Measured by	YUTRA*
clockwise	e:			12/1-12/2				
anti-clockwise(if any):								
KM Post	(distanc	e from Yango	on RS.)					
clockwise:					19.40		19.4	16
anti-clockwise(if any):								
ridge :				Year of Built :				
ngth:		1 Span @	0.6	m =	0.6	m	Skew :d	egree
dth:		7.85 n	า					
nditions:	Extent ar	nd Degree: (A: S	ound cond	ition, B: Nee	ed Maic	or Repair, C	: Serious condition)
				,	,			,
Oupcisti	ucture.							
Abutmen	t/Pier:	В						
Shoe:		-						
	Between (distance clockwise anti-clock clockwise anti-clock idge: ngth: dth: nditions: Superstri	on No.: C29 Between (distance from Yaclockwise: anti-clockwise(if action of the clockwise) anti-clockwise: anti-clockwise(if action of the clockwise) anti-clockwise: anti-clockwise: anti-clockwise(if action of the clockwise) anti-clockwise: anti-clockwise(if action of the clockwise) anti-clockwise: anti-clockwise anti-clockwise(if action of the clockwise) anti-clockwise: anti-clockwise(if action of the clockwise) anti-clockwise: anti-clockwise(if action of the clockwise) anti-clockwise(if act	on No.: C29 Between Aungs (distance from Yanngon RS.) clockwise: anti-clockwise(if any): KM Post (distance from Yango clockwise: anti-clockwise(if any): ridge: ngth: 1 Span @ dth: 7.85 n nditions: Extent and Degree: (A: So Superstructure: Abutment/Pier: B	on No.: C29 Between Aungsanmyo (distance from Yanngon RS.) clockwise: anti-clockwise(if any): KM Post (distance from Yangon RS.) clockwise: anti-clockwise(if any): ridge: ngth: 1 Span @ 0.6 dth: 7.85 m nditions: Extent and Degree: (A: Sound cond Superstructure: Abutment/Pier: B	Between Aungsanmyo station (distance from Yanngon RS.) MR's clockwise: 12 anti-clockwise(if any): KM Post (distance from Yangon RS.) clockwise: anti-clockwise(if any): ridge: ngth: 1 Span @ 0.6 m = dth: 7.85 m Inditions: Extent and Degree: (A: Sound condition, B: New Superstructure: Abutment/Pier: B	Between Aungsanmyo station and (distance from Yanngon RS.) MR's official clockwise: 12/1-12 anti-clockwise(if any): KM Post (distance from Yangon RS.) clockwise: 19.40 anti-clockwise(if any): ridge: Year of the first of the f	Between Aungsanmyo station and (distance from Yanngon RS.) MR's official data clockwise: 12/1-12/2 anti-clockwise(if any): KM Post (distance from Yangon RS.) clockwise: 19.40 anti-clockwise(if any): ridge: Year of Built: ngth: 1 Span @ 0.6 m = 0.6 m dth: 7.85 m Inditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C) Superstructure: - Abutment/Pier: B	Between Aungsanmyo station and Danyingone (distance from Yanngon RS.) Clockwise: 12/1-12/2 anti-clockwise(if any): KM Post (distance from Yangon RS.) clockwise: 19.40 anti-clockwise(if any): ridge: Year of Built:

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)







Remark	S	Culvert

Bridge No. :	B16	Bridge Nan	ne :	30			Bridg	ge)or Culvert
Identification No.:	C30						Survey Date:	2014/2/22
Betweer	1	Aungsann	nyo	station	and	l	Danyingon	e station
Mile Post (distance	from Yanng	on RS.)		MR's official data Measured by			y YUTRA*	
clockwis	clockwise:				2/4-12	/5		
anti-cloc								
equivalent KM Pos	S.)							
clockwis	clockwise:			19.60			19.	79
anti-cloc	kwise(if any)							
Type of Bridge:	Steel I girde	er		`	∕ear o	f Built :		
Bridge Length:	1 S	pan @ 2.7	'5	m =	2.75	m	Skew :	degree
Bridge Width:	1.25 m							
Bridge Conditions:	Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)							
Superstr	ructure: B							

Abutment/Pier: Α

Shoe: С Adjust height by wood

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(...........)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No.:		B17	Bridge	Name :	31			Bridg	je or Culvert
Identification	No.:	C31					Sur	vey Date:	2014/3/1
Ве	etween		Dan	yingone	station	and	C	Gauk Kwin	station
Mile Post (dis	stance	from Yan	ngon RS.)		MR's	official data	ı M	easured by	y YUTRA*
clo	ockwise	e:			1:	2/4-12/5			
anti-clockwise(if any):									
equivalent KM Post (distance from Yangon RS									
clockwise:				19.60 20.34			34		
an	nti-clock	kwise(if a	ny):						
Type of Bridg	ge:	Drain Bo	X		,	Year of Buil	t : _.		
Bridge Lengt	th:	-	Span @	-	m =	m	Ske	w :d	egree
Bridge Width	ı :	-	m						
Bridge Condi	itions:	Extent and	d Degree: (A: S	ound cond	lition, B: Ne	ed Major Repa	air, C: Serio	ous condition	1)
Su	uperstru	ucture:	-						
Ab	outmen	t/Pier:	-						
Sh	noe:		-						
Utility line No	one /)El	lectric / W	/ater / Gas /	Telecon	nmunication	on / Optical	fiber / Ot	thers()







Rem	ar	ks
-----	----	----

Bridge No. :	B18	Bridge Name :	-		Bridge	or Culvert		
Identification No.:	C32BX				Survey Date: 2	2014/2/22		
Between		Danyingone	station	and	Gauk Kwin	station		
Mile Post (distance	from Yanngo	on RS.)	MR's official data Measured by YUTR					
clockwis			-					
anti-cloc								
equivalent KM Post								
clockwis		-	20.63	3				
anti-clockwise(if any):								
Type of Culvert :	Box / Pipe /	Other Brick arc	h Year of Built :					
Number of Cell :	-		Skew:degree					
Size of Culvert :	Inner: 0.8m	xm						
	Inlet / Outlet	size: width(m):	3.45	thickness (m):				
Length :	from inlet to	outlet 22.3m						
Culvert Conditions:	Extent and Deg	gree: (A: Sound cond	lition, B: Ne	eed Major Repair, C	: Serious condition)			
Inlet/Out	Inlet/Outlet: B							

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

No water flow due to rubbish

Pipe/Box:

Bridge No. :	B19	Bridge	Name :	46			Bridg	ge)or Culvert
Identification No.:	A46						Survey Date:	2014/2/22
Betwee	n	Dany	/ingone	station	and	d	Gauk Kwin	station
Mile Post (distance from Yanngon RS.)				MR's official data			Measured by YUTRA*	
clockwi	se:							
anti-clockwise(if any):				15/14-15/15				
equivalent KM Post (distance from Yangon RS.)								
clockwise:				20.47			20.72	
anti-clo	ckwise(if a	ny):						
Type of Bridge:	Steel I g	jirder		Year of Built :				
Bridge Length:		1 Span @	4	m =	4	m	Skew :d	legree
Bridge Width:	1.	3 m						

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A-B rust

Abutment/Pier: A

Shoe: C Adjust height by wood

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B20	Bridg	e Name :	45		Bridg	e or Culvert		
Identification No.:	A45					Survey Date:	2014/2/22		
Betweer	า	Da	nyingone	station	and	Gauk Kwin	station		
Mile Post (distance from Yanngon RS.)					s official data Measured by YUTR				
clockwise:									
anti-cloc	anti-clockwise(if any):				15/12-				
equivalent KM Post (distance from Yangon RS.)									
clockwise:					20.63	20.8	20.85		
anti-clockwise(if any):									
Type of Culvert: Box / Pipe / Other Brick arch				1	Year of Built :				
Number of Cell :	-				Skew:degree				
Size of Culvert :	Inner :m	xm							
	Inlet / Outlet	size:	width(m):	3.45	thickness (m):			
Length :	from inlet to	outlet	14.2m						
Culvert Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)									
Inlet/Outlet: C									

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Pipe/Box:







Bridge No. :	B21	Bridge	Name :	44			Bridg	e or Culvert
Identification No.:	A44						Survey Date:	2014/2/22
Betwee	n	Dan	yingone	station	and		Gauk Kwin	station
Mile Post (distance from Yanngon RS.)				MR's official data			Measured by YUTRA*	
clockwi	se:							
anti-clockwise(if any):				15/9-15/10				
equivalent KM Post (distance from Yangon RS.)								
clockwise:				20.80			21.04	
anti-clockwise(if any):								
Type of Bridge:	Steel I	girder		Year of Built :				
Bridge Length:		1 Span @	3.45	m =	3.45 m		Skew:d	egree
Bridge Width:	1.	25 m						

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A-B

Abutment/Pier: A

Shoe: C Adjust height by wood

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks Bridge No.44

Bridge No. :	B22	Bridge	Name :	43			Bridg	e)or Culvert
Identification No.:	A43						Survey Date:	2014/2/22
Betwee	n	Dan	yingone	station	an	d	Gauk Kwin	station
Mile Post (distance	e from Yan	ngon RS.)		MR's	officia	al data	Measured b	y YUTRA*
clockwi	se:							
anti-clo	ckwise(if a	ny):		14/	23-14	/24		
equivalent KM Po	st (distance	e from Yango	on RS.)					
clockwi	se:				21.48	}	21.	70
anti-clo	ckwise(if a	ny):						
Type of Bridge:	Steel I g	irder		\	ear d	of Built:.		
Bridge Length:	1	Span @	4	m =	4	m	Skew :	legree
Bridge Width:	1.37	m m						

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: A

Shoe: A-B

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks Bridge No.43There are water pipe and gas pipe.

Bridge No. :	B23	Bridge	Name :	39			Bridg	or Culvert
Identification No.:	A39						Survey Date:	2014/3/1
Betweer	1	Gauk k	Kwin	station	and			station
Mile Post (distance	e from Ya	nngon RS.)		MR's	official	data	Measured by	y YUTRA*
clockwis	e:							
anti-cloc	kwise(if a	ny):		15/	15-15/	16		
equivalent KM Po	st (distanc	e from Yang	on RS.)					
clockwis	e:				20.40		23.	52
anti-cloc	kwise(if a	ny):						
Type of Bridge :	Brick			\	ear o	f Built :		
Bridge Length:	,	1 Span @	3.5	m =	3.5	m	Skew :c	legree
Bridge Width:		m		·				

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: -

Abutment/Pier: -

Shoe: -

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Remarks

This is not bridge and culvert Not across the rail track

Bridge No. :	B24	Bridge	Name :	38		(Bridg	or Culvert			
Identification No.:	A38					Survey Date:	2014/2/22			
Between	า	Gauk Kwin		station	and	station				
Mile Post (distance	e from Yar	ngon RS.)		MR's off	ficial data	Measured b	y YUTRA*			
clockwis	se:									
anti-cloc	kwise(if a	ny):		13/24	4-14/1					
equivalent KM Post (distance from Yangon RS.)										
clockwis	se:			23	3.04	23.	91			
anti-clod	kwise(if a	ny):								
Type of Bridge:	Steel I g	rder		Year of Built :						
Bridge Length:	1	Span @	13.6	m =	13.6 m	Skew :	degree			
Bridge Width:	1.55	5 m								
Bridge Conditions	Extent and	Degree: (A: S	Sound cond	lition, B: Need Ma	ajor Repair, C:	Serious condition)				
Superst	ructure:	Α								

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

B A



Abutment/Pier:

Shoe:







Bridge No. :	B25 Bridg	ge Name :	-		Brid	ge or Culvert
Identification No.:	A34BX				Survey Date:	2014/2/22
Between	. Kyaikkal	el	station	and	Mingaladon	Bazz
Mile Post (distance	from Yanngon RS	.)	MR's	official data	Measured	by YUTRA*
clockwis	e:					
anti-cloc	kwise(if any):			-		
equivalent KM Pos	t (distance from Ya	ngon RS.)				
clockwis	e:			-	24	.70
anti-cloc	kwise(if any):					
Type of Culvert:	Box / Pipe / Other	Brick arch	1	Year of Built :		
Number of Cell :	1			Skew :d	egree	
Size of Culvert :	Inner: 1.9m x 1.0	8m			-	
	Inlet / Outlet size:	width(m):	2.9	thickness (m)		
Length :	from inlet to outle	t 9.15m				
Culvert Conditions	Extent and Degree: (A	: Sound condi	ition, B: Ne	ed Major Repair, C	: Serious condition	n)



B B

Inlet/Outlet:

Pipe/Box:





Bridge No. :	B26	Bridge	Name :	33		Bridge of Culvert
Identification No.		- <u>J</u> -				Survey Date: 2014/2/22
Betwee	en	Kyaikkalel		station	and	Mingaladon Bazz
Mile Post (distan	ce from Ya	anngon RS.)		MR's of	ficial data	Measured by YUTRA*
clockw	ise:					
anti-clo	ckwise(if	any):		13/6	6-13/7	
equivalent KM Po	ost (distan	ce from Yang	on RS.)			
clockw	ise:			24	1.22	24.72
anti-clo	ckwise(if	any):				
Type of Bridge :	Steel I	girder		Y	ear of Built	:
Bridge Length:		2 Span @	11.15	m =	11.15 m	Skew:degree
Bridge Width:	1.5	53 m				
Bridge Conditions	S: Extent ar	nd Degree: (A: S	Sound cond	ition, B: Need M	ajor Repair, C	: Serious condition)
Supers	structure:	В				
Abutm	ent/Pier:	В				
Shoe:		В				

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B27	Bridge	Name :	32			Bridg	or Culvert
Identification No.:	A32						Survey Date:	2014/2/22
Betwee	n Minga	aladon Bazza		station	and	d	Mingal	ado
Mile Post (distance	e from Ya	anngon RS.)		MR's o	official	data	Measured b	y YUTRA*
clockwi	se:							
anti-clo	ckwise(if	any):		12/1	4-12/1	15		
equivalent KM Po	st (distan	ce from Yang	on RS.)					
clockwi	se:			2	25.29		26.	26
anti-clo	ckwise(if	any):						
Type of Bridge :	RC				Year c	of Built:.		
Bridge Length:		1 Span @	3.8	m =	3.8	m	Skew :	degree
Bridge Width:	2.4	15 m						
Bridge Conditions	: Extent ar	nd Degree: (A: S	ound cond	ition, B: Need	Major R	epair, C: S	erious condition)	
Supers	ructure:	В						
Abutme	nt/Pier:	В						
Shoe:		None						

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B28	Bridge Name :	31		Bridg	or Culvert
Identification No.:	A31				Survey Date:	2014/2/22
Betweer	n Mi	ngaladon	station	and	Waibagi	station
Mile Post (distance	e from Yanngo	on RS.)	MR's of	fficial data	Measured b	y YUTRA*
clockwis	e:					
anti-cloc	kwise(if any):		12/	1-12/2		
equivalent KM Pos	t (distance fro	om Yangon RS.)				
clockwis	e:		20	6.16	27.	21
anti-cloc	kwise(if any):					
Type of Bridge:	None		\	Year of Built:.		
Bridge Length:	1 Sp	oan @ 0.48	m =	0.48 m	Skew:d	degree
Bridge Width:	1.29 m					
Bridge Conditions:	Extent and Deg	gree: (A: Sound cond	lition, B: Need M	lajor Repair, C: Se	erious condition)	
Supersti	ructure: B					
<u>Abutme</u>	nt/Pier: B					
Shoe:						
Utility line None E	Electric / Wate	r / Gas / Telecon	nmunication /	Optical fiber /	Others()
Photos (General vi	ew, Side view	(Left and Right), [Defects, Dama	ages, etc)		
None						
Remarks						
This is not bridge						

Bridge No. :	B29	Bridge I	Name :	30			Bridg	or Culvert
Identification No.:	A30						Survey Date:	2014/2/22
Between	า	Mingaladon		station	and	t	Waibagi	station
Mile Post (distance	e from Ya	anngon RS.)		MR's of	ficial	data	Measured b	y YUTRA*
clockwis	se:							
anti-clo	ckwise(if	any):		11/15	5-11/1	6		
equivalent KM Pos	st (distan	ce from Yango	on RS.)					
clockwis	se:						28.	01
anti-cloo	ckwise(if	any):		26	5.84			
Type of Bridge:	RC			Y	ear o	f Built:.		
Bridge Length:		4 Span @	7	m =	28	m	Skew:c	degree
Bridge Width:	2	.4 m						
Bridge Conditions	Extent a	nd Degree: (A: So	ound cond	ition, B: Need M	ajor Re	epair, C: S	erious condition)	
Superst	ructure:	В						
Abutme	nt/Pier:	В						

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

None



Shoe:







Bridge No	D. :	B30	Bridge	Name :	29		(Bridg	or Culvert
Identificat	tion No.:	A29					Survey Date:	2014/2/22
	Between		Mingaladon		station	and	Waibagi	station
Mile Post	(distance	from Ya	nngon RS.)		MR's off	icial data	Measured b	y YUTRA*
	clockwis	e:						
	anti-cloc	kwise(if a	any):		11/10	-11/11		
equivalen	t KM Pos	t (distand	ce from Yang	on RS.)				
	clockwis	e:			27	.18	28.	30
	anti-cloc	kwise(if a	any):					
Type of B	Bridge :	RC			Y	ear of Built:.		
Bridge Le	ength:		1 Span @	3.8	m =	3.8 m	Skew :	legree
Bridge W	idth :	2.5	2 m					
Bridge Co	onditions:	Extent an	d Degree: (A: So	ound cond	ition, B: Need Ma	ajor Repair, C: S	erious condition)	
	Superstr	ucture:	В					
	Abutmer	nt/Pier:	В					

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

Can't see



Shoe:





Bridge No. :	B31	Bridge	Name :	28		(Bridg	or Culvert
Identification No.	: A28					Survey Date:	2014/3/1
Betwe	en	Mingalador	า	station	and	Waibagi	station
Mile Post (distan	ce from Y	anngon RS.)		MR's of	ficial data	Measured b	y YUTRA*
clockw	vise:						
anti-cl	ockwise(if	any):		11/5	5-11/6		
equivalent KM P	ost (distar	nce from Yang	on RS.)				
clockw	vise:			27	7.50	28.	32
anti-cl	ockwise(if	any):					
Type of Bridge:	None			Y	ear of Built		
Bridge Length:		1 Span @	0.5	m =	0.5 m	Skew :	degree
Bridge Width:	-	m					
Bridge Condition	S: Extent a	and Degree: (A: S	ound cond	ition, B: Need M	ajor Repair, C	: Serious condition)	
Supers	structure:	-					
Abutm	ent/Pier:	-					

Shoe: Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Remarks

Same as sleeper interval

Bridge No. :	B32	Bridge	Name :	27			(Bridg	or Culvert
Identification No.:		2.1490				ļ	Survey Date:	2014/2/22
Betwee	n	Waibag	i	station	and		Okkalapa	station
Mile Post (distance	e from Ya	anngon RS.)		MR's o	fficial data	a	Measured by	y YUTRA*
clockwi	se:							
anti-clo	ckwise(if	any):		11/	1-11/2			
equivalent KM Po	st (distan	ce from Yang	on RS.)					
clockwi	se:			2	7.77		28.0	65
anti-clo	ckwise(if	any):						
Type of Bridge :	RC				Year of Bu	uilt :		
Bridge Length :		1 Span @	3.78	m =	3.78 m	5	Skew:d	legree
Bridge Width:	2	.4 m						
Bridge Conditions	3: Extent a	nd Degree: (A: S	Sound cond	dition, B: Need N	/lajor Repair	r, C: Ser	ious condition)	
	tructure:	В						
Abutme	ent/Pier:	В						

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

Can't see



Shoe:





Remarks Same as sleeper interval

Bridge No. :	B33	Bridge	Name :			(Bridg	or Culvert
Identification No.:	A25					Survey Date:	2014/2/22
Betwee	en	Waibag	i	station	and	Okkalapa	station
Mile Post (distance	ce from Ya	nngon RS.)		MR's of	ficial data	Measured by	y YUTRA*
clockwi	se:						
anti-clo	ckwise(if	any):			-		
equivalent KM Po	st (distan	ce from Yang	on RS.)				
clockwi	se:				-	28.9	93
anti-clo	ckwise(if	any):					
Type of Bridge:	RC			Y	ear of Built :		
Bridge Length:		1 Span @	3.83	m =	3.83 m	Skew :d	legree
Bridge Width:	2.4	.5 m					
Bridge Conditions	S: Extent ar	d Degree: (A: S	ound cond	dition, B: Need M	ajor Repair, C: S	Serious condition)	
Supers	tructure:	С					
Abutme	ent/Pier:	С					

Utility line None Delectric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

None



Shoe:



Remarks

Not listed from MR, but existed

Bridge No. :	B34	Bridge	Name :	22	<u> </u>		(Bridg	or Culvert
Identification No.:	A22						Survey Date:	2014/2/22
Betwee	n	Waibag	i	station	an an	d	Okkalapa	station
Mile Post (distance	e from Yanı	ngon RS.)		MR's official data			Measured by YUTRA*	
clockwi	se:							
anti-clo	ckwise(if an	y):		10	0/6-10/7	7		
equivalent KM Po	st (distance	from Yang	on RS.)					
clockwi	se:				29.04		30.	01
anti-clo	ckwise(if an	y):						
Type of Bridge :	Steel I gir	der			Year o	of Built:.		
Bridge Length:	1	Span @	3.9	m =	3.9	m	Skew :	degree
Bridge Width:	1.38	m						
Bridge Conditions	Extent and	Degree: (A: S	ound cond	dition, B: Need	Major R	epair, C: Se	erious condition)	
Suners	tructure:	R						

Superstructure: B

Abutment/Pier: B

Shoe: B

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

Not listed from MR, but existed

Bridge No. :	B35	Bridge	Name :	20		Bridge	or Culvert
Identification No	.: A20					Survey Date:	2014/2/22
Betwe	en	Paywetseikko	on	station	and	Kyaukyetwin	station
Mile Post (distar	ce from Y	anngon RS.)		MR's off	icial data	Measured by	YUTRA*
clockv	/ise:						
anti-cl	ockwise(if	any):		9/6	-9/7		
equivalent KM P	ost (distar	ice from Yang	on RS.)				
clockv	/ise:			30	.65	31.6	4
anti-cl	ockwise(if	any):					
Type of Bridge:	RC			Y	ear of Built :		
Bridge Length:		1 Span @	7.15	m =	7.15 m	Skew :de	egree
Bridge Width:	2.	45 m					
Bridge Condition	s: Extent a	nd Degree: (A: S	ound cond	ition, B: Need Ma	ajor Repair, C: S	Serious condition)	
Super	structure:	В					
Abutm	ent/Pier:	В					

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

None



Shoe:







Remarks Not listed from MR, but existed

Bridge No. :	B36	Bridge	Name :	16		Bridge	or Culvert
Identification No	.: A16					Survey Date:	2014/2/22
Betwe	en Kyauky	etwin		station	and	Tadakalay	station
Mile Post (distar	ice from Ya	nngon RS.)		MR's of	ficial data	Measured by	YUTRA*
clockv	vise:						
anti-cl	ockwise(if a	any):		8/13	3-8/14		
equivalent KM P	ost (distand	ce from Yang	gon RS.)				
clockv	vise:			31	1.79	32.9	90
anti-cl	ockwise(if a	any):					
Type of Bridge :	Steel I	girder		Y	ear of Built :		
Bridge Length:		1 Span @	7.13	m =	7.13 m	Skew :d	egree
Bridge Width:	1.5	5 m					
Bridge Condition	is: Extent an	d Degree: (A: S	Sound cond	dition, B: Need M	ajor Repair, C:	Serious condition)	
Super	structure:	В					
Abutm	nent/Pier:	В					

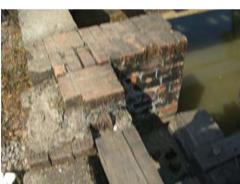
Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Shoe:





Bridge No. :	B37	Bridge	Name :	15			(Bridg	or Culvert
Identification No	.: A15						Survey Date:	2014/2/22
Betwe	en	Kyaukyetwir	1	station	and	i	Yegu	station
Mile Post (distan	ce from Y	anngon RS.)		MR's of	ficial o	data	Measured b	y YUTRA*
clockv	/ise:							
anti-cl	ockwise(if	any):		7/20	-7/21			
equivalent KM P	ost (distar	ice from Yang	on RS.)					
clockv		32.94			34.02			
anti-cl	ockwise(if	any):						
Type of Bridge:	Steel I	girder		Y	ear o	f Built : .		
Bridge Length:		1 Span @	2.8	m =	2.8	m	Skew :	degree
Bridge Width:	1.	23 m						
Bridge Condition			ound cond	lition, B: Need M	ajor Re	epair, C: S	erious condition)	
Super	structure:	В						
Abutm	ent/Pier:	В						

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Shoe:





Bridge No. :	B38	Bridge	Name :			(Bridg	or Culvert
Identification No.:	A14					Survey Date:	2014/2/22
Betweer	ı	Tadak	alay	station	and	Yegu	station
Mile Post (distance	e from Ya	nngon RS.)		MR's of	ficial data	Measured b	y YUTRA*
clockwis	e:						
anti-cloc	kwise(if a	ny):			-		
equivalent KM Pos	st (distanc	e from Yang	on RS.)				
clockwis	e:				-	34.	43
anti-cloc	kwise(if a	ny):					
Type of Bridge:	RC			Υ	ear of Built:		
Bridge Length:		1 Span @	3.75	m =	3.75 m	Skew:	degree
Bridge Width:	3.0	5 m					
Bridge Conditions:	Extent and	d Degree: (A: S	ound cond	ition, B: Need M	lajor Repair, C:	Serious condition)	
Superst	ructure:	Α					
Abutme	nt/Pier:	Α					
Shoe:		None	·				

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Not listed from MR, but excited

Bridge No. :	B39	Bridge	Name :	13		(Bridg	or Culvert
Identification No.:	A13					Survey Date:	2014/2/22
Between	1	Tadak	kalay	station	and	Yegu	station
Mile Post (distance	e from Yan	ngon RS.)		MR's off	ficial data	Measured b	y YUTRA*
clockwis	e:						
anti-cloc	kwise(if ar	ny):		7/8	-7/9		
equivalent KM Pos	st (distance	e from Yang	jon RS.)				
clockwis	e:			33	3.74	34.	82
anti-cloc	kwise(if ar	ny):					
Type of Bridge:	Steel I gi	rder		Y	ear of Built	:	
Bridge Length:	1	Span @	2.85	m =	2.85 m	Skew :	degree
Bridge Width:	1.31	m					
Bridge Conditions:	Extent and	Degree: (A: S	Sound cond	lition, B: Need Ma	ajor Repair, C	: Serious condition)	
Superst	ructure:	В					
Abutme	nt/Pier:	В					
Shoe:		None		_			

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B40	Bridge	Name :	12		(Bridge	or Culvert
Identification No.:	A12					Survey Date:	2013/2/21
Between	n		Yegu	station	and	Parame	station
Mile Post (distance	e from Yanng	on RS.)		MR's of	ficial data	Measured by	/ YUTRA*
clockwis	se:						
anti-clo	ckwise(if any)	:		7/1	-7/2		
equivalent KM Pos	st (distance fr	om Yang	gon RS.)				
clockwis	se:			34	1.21	35.2	28
anti-clo	ckwise(if any)	:					
Type of Bridge:	Steel I girde	er		Y	ear of Built:		
Bridge Length:	1 S	pan @	2.83	m =	2.83 m	Skew :d	egree
Bridge Width:	1.29 m	1					
Bridge Conditions	Extent and De	gree: (A: S	Sound cond	dition, B: Need M	ajor Repair, C: S	erious condition)	
Superst	ructure: B						
Abutme	nt/Pier: B						

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Shoe:







Bridge No. :	B41	Bridge	Name :	11		Bridge	or Culvert
Identification No.	: A11					Survey Date:	2013/2/21
Betwe	en	Ye	gu	station	and	Parame	station
Mile Post (distan	ce from Ya	nngon RS.)		MR's of	ficial data	Measured by	/ YUTRA*
clockw	ise:						
anti-clo	ockwise(if a	any):		6/10	6-6/17		
equivalent KM P	ost (distand	ce from Yang	gon RS.)				
clockw	ise:			34	4.82	35.8	37
anti-clo	ockwise(if a	any):					
Type of Bridge:	Steel I g	girder		\	ear of Built	:	
Bridge Length:		1 Span @	2.75	m =	2.75 m	Skew:d	egree
Bridge Width:	1.2	6 m					
Bridge Condition	S: Extent an	d Degree: (A: S	Sound cond	lition, B: Need M	lajor Repair, C	: Serious condition)	
Supers	structure:	В					
Abutm	ent/Pier:	В					
Shoe:		В					

Utility line None) Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B42	Bridge	Name :	10		Bridge	or Culvert
Identification No.:	A10					Survey Date: 2	2013/2/21
Betwee	n		Yegu	station	and	Parame	station
Mile Post (distance	e from Yanı	ngon RS.)		MR's of	ficial data	Measured by	YUTRA*
clockwi	se:						
anti-clo	ckwise(if an	y):		6/2	2-6/3		
equivalent KM Po	st (distance	from Yang	gon RS.)				
clockwi	se:			35	5.75	36.6	1
anti-clo	ckwise(if an	y):					
Type of Bridge :	Steel I gir	der		Y	ear of Built :		
Bridge Length:	1	Span @	6.73	m =	6.73 m	Skew :de	egree
Bridge Width:	1.53	m					
Bridge Conditions	Extent and	Degree: (A: S	Sound cond	lition, B: Need M	ajor Repair, C: S	Serious condition)	

Superstructure: B

Abutment/Pier: B

Shoe: B

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Not listed from MR, but excited

Bridge No. :	B43	Bridge	Name :	8		(Brid	ge or Culvert
Identification No	.: A8					Survey Date	: 2013/2/21
Betwe	en	Parai	me	station	and	Kanbe	station
Mile Post (distar	ice from Ya	nngon RS.)		MR's of	ficial data	Measured	by YUTRA*
clockv	vise:						
anti-cl	ockwise(if	any):		5/18	-5/19		
equivalent KM P	ost (distan	ce from Yang	on RS.)				
clockv	vise:			36	5.28	3	7.45
anti-cl	ockwise(if a	any):					
Type of Bridge:	RC			Y	ear of Bu	ıilt :	
Bridge Length:		1 Span @	7.1	m =	7.1 m	Skew:	degree
Bridge Width:	2.4	.8 m					
Bridge Condition	is: Extent ar	d Degree: (A: S	ound cond	ition, B: Need Ma	ajor Repair,	, C: Serious condition)
Super	structure:	В					
Abutm	nent/Pier:	В					

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

None



Shoe:







Bridge No. :	B44	Bridge	Name :		6			(Bridge	or Culvert
Identification No.:	A6							Survey Date:	2013/2/21
Betwee	n	k	anbe	st	ation	and	l	Baukthaw	station
Mile Post (distance	e from Yan	ngon RS.)		N	/IR's off	icial o	data	Measured by	/ YUTRA*
clockwi	se:								
anti-clo	ckwise(if ar	ny):			5/3	-5/4			
equivalent KM Po	st (distance	e from Yang	on RS.)						
clockwi	se:				37	.30		38.4	10
anti-clo	ckwise(if ar	ny):							
Type of Bridge:	Steel I gi	rder			Υ	ear o	f Built : .		
Bridge Length:	1	Span @	3	m =		3	m	Skew :d	egree
Bridge Width:	1.25	m							
Bridge Conditions	: Extent and	Degree: (A: So	ound cond	lition B	Need Ma	aior Re	nair C: Se	erious condition)	

Bridge Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B

Shoe: None

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B45	Bridge	e Name :		3		(Bridge	or Culvert
Identification No.:	A3						Survey Date: 2	2013/2/21
Betwee	n	Bauk	htaw	statio	on and	d	Tarmwe	station
Mile Post (distanc	e from Yanng	on RS.)		MR'	s official	data	Measured by	YUTRA*
clockwis	se:							
anti-clo	ckwise(if any)	•			4/2-4/3			
equivalent KM Pos	st (distance fr	om Yan	gon RS.)					
clockwis	se:				38.97		40.1	0
anti-clo	ckwise(if any)							
Type of Bridge:	Steel, RC				Year c	of Built:.		
Bridge Length:	1 S	pan @	3.82	m =	3.82	m	Skew :d	egree
Bridge Width:	2.46 m		1.39m					
								·
Bridge Conditions	: Extent and De	gree: (A:	Sound cond	dition, B: Ne	ed Major R	epair, C: S	erious condition)	

Superstructure: B

Abutment/Pier: B

Shoe:

Utility line None / Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

There are RC type and steel type bridge

Bridge No. :	B46	Bridge	Name :		2			(Bridg	or Culvert	
Identification No.:	A2							Survey Date:	2013/2/21	
Betwee	า	Baukh	ukhtaw station and					Tarmwe	station	
Mile Post (distanc	e from Yan	ngon RS.)		N	IR's offic	cial c	lata	Measured b	y YUTRA*	
clockwis	se:									
anti-clo	kwise(if ar	ny):			3/22-3	3/23				
equivalent KM Pos	st (distance	e from Yango	on RS.)							
clockwis	se:				39.24			40.32		
anti-clo	kwise(if ar	ny):								
Type of Bridge:	Steel I gi	rder			Year of Built :					
Bridge Length:	2	Span @	8	m =		8	m	Skew :	legree	
Bridge Width:	1.42	: m								
Bridge Conditions	Extent and	Degree: (A: So	ound con	dition, B:	Need Maj	or Re	pair, C: S	erious condition)		

Superstructure: B

Abutment/Pier: B

Shoe: C Adjust height by wood

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B47	Bridge	Name :	1		Bridge	or Culvert	
Identification N	o.: A1					Survey Date: 20	013/2/21	
Betw	een	Tarm	we	station	and	Myittanyunt	station	
Mile Post (dista	ince from Yai	nngon RS.)		MR's off	icial data	Measured by `	YUTRA*	
clock	wise:							
anti-	clockwise(if a	ny):		3/5	-3/6			
equivalent KM	Post (distanc	e from Yang	on RS.)					
clock	wise:			40	.37	41.29		
anti-	clockwise(if a	ny):						
Type of Bridge	: Steel I g	irder		Y	ear of Built :	<u></u>		
Bridge Length	,	1 Span @	2.7	m =	2.7 m	Skew :de	gree	
Bridge Width:	1.42	2 m						
Bridge Condition	ns: Extent and	l Degree: (A: S	ound cond	lition, B: Need Ma	ajor Repair, C:	Serious condition)		
Supe	erstructure:	В						
Abut	ment/Pier:	В						

Utility line Noney Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

Shoe:









Bridge No. :	B4	8	Bridge N	lame :	9		(Bridge) or Culve
Identification	No.: YM	19					Survey Date: 2013/2/21
Ве	etween		Myittany	unt	station	and	Mahlwagone station
Mile Post (di	stance fro	m Yanngor	n RS.)		MR's of	ficial data	Measured by YUTRA*
clo	ockwise:						
an	ıti-clockwis	se(if any):			2/18	3-2/19	
equivalent K	M Post (di	stance fror	n Yango	n RS.)			
clo	ockwise:				4	1.11	41.89
an	ıti-clockwis	se(if any):					
Type of Brid	ge: Ste	eel I girder			\ \	ear of Built :	
Bridge Leng	th:	3 Spa	ın @	41.5	m =	41.5 m	Skew :degree
Bridge Width	n :	1.47 m					
Bridge Cond	itions: Ext	ent and Degre	ee: (A: Sou	und cond	ition, B: Need M	lajor Repair, C:	Serious condition)
Su	uperstructu	ıre: B					
Ab	outment/Pi	er: B					
Sh	noe:	can	't see				
Utility line No	one/ Elect	ric / Water	/ Gas / 1	elecon	nmunication /	Optical fiber	/ Others()

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Rei	ma	rks
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Bridge No. :	B49	Bridge	e Name :		8		Bridge	or Culvert
Identification No.:	YM8						Survey Date: 2	2013/2/21
Betwee	n	Myitta	nyunt	sta	tion	and	Mahlwagone	station
Mile Post (distanc	e from Yann	gon RS.)		М	R's off	icial data	Measured by	YUTRA*
clockwis	se:							
anti-clo	ckwise(if any	ν):			2/12	-2/13		
equivalent KM Pos	st (distance	from Yan	gon RS.)					
clockwis	se:				41	.51	42.2	0
anti-clo	ckwise(if any	ν):						
Type of Bridge:	Steel I gird	der			Y	ear of Built :		
Bridge Length:	1	Span @	13.75	m =	1	3.75 m	Skew :de	egree
Bridge Width:	1.55	m						
Bridge Conditions	Extent and E	egree: (A:	Sound cond	dition, B: N	Need Ma	ajor Repair, C: \$	Serious condition)	

Superstructure: B

Abutment/Pier: B

Shoe: can't see

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Bridge No. :	B50	Bridge	Name :			Bridge or Culvert
Identification No	.: YM5BX					Survey Date: 2013/2/21
Betwe	een			station	and	Pazundaung station
Mile Post (dista	nce from Ya	nngon RS.)		MR's of	ficial data	Measured by YUTRA*
clock	wise:					
anti-c	lockwise(if a	any):			-	
equivalent KM F	Post (distand	ce from Yango	on RS.)			
clock	wise:				-	43.72
anti-c	lockwise(if a	any):				
Type of Bridge	None			Y	ear of Built	
Bridge Length:	-	Span @	-	m =	- m	Skew:degree
Bridge Width:	-	m				
Bridge Conditio	ns: Extent an	d Degree: (A: So	ound cond	ition, B: Need M	ajor Repair, C	: Serious condition)
Supe	rstructure:	-				
Abutr	nent/Pier:	-				
Shoe		-				
Utility line None) Electric / \	Nater / Gas /	Telecon	nmunication /	Optical fibe	r / Others()

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





R	е	m	ıa	r	k	S
• •	-	•••	•	•	••	•

Not listed from MR Under construction

Bridge No. :	B51	Bridge	Name :				(Bridge)	or Culvert
Identification No.:	YM5AX						Survey Date: 20	013/2/21
Betwee	n			station	and	k	Pazundaung	station
Mile Post (distance	e from Yann	gon RS.)		MR's official data			Measured by	YUTRA*
clockwi	se:							
anti-clo	ckwise(if any):			-			
equivalent KM Po	st (distance f	rom Yang	on RS.)					
clockwi	se:			-			43.74	ļ
anti-clo	ckwise(if any):						
Type of Bridge :	RC			Υ	∕ear o	f Built :		
Bridge Length:	1 9	Span @	0.6	m =	0.6	m	Skew :de	gree
Bridge Width:	1.4 r	m						
Bridge Conditions	Extent and D	egree: (A: S	ound cond	dition, B: Need M	lajor Re	epair, C: Se	erious condition)	
Superst	ructure: A	A						

Abutment/Pier: Α

Shoe:

Utility line None | Electric / Water / Gas / Telecommunication / Optical fiber / Others(............)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

Not listed from MR

Bridge No. :	B52	Bridge	Name :	3			Brid	ge or Culvert
Identification No.:	YM3						Survey Date	: 2013/2/21
Between	า	Pazunda	aung	station	and		Yangon Cei	ntral station
Mile Post (distance	e from Yan	ngon RS.)		MR's of	ficial o	lata	Measured	by YUTRA*
clockwis	se:							
anti-cloo	kwise(if ar	ny):		0/13	3-0/14			
equivalent KM Pos	st (distance	e from Yango	on RS.)					
clockwis	se:			44.67			45	5.24
anti-cloo	kwise(if ar	ny):						
Type of Bridge:	Steel I gi	rder		Year of Built :				
Bridge Length:	1	Span @	14	m =	14	m	Skew :	.degree
Bridge Width:	1.4	m						
Bridge Conditions:	Extent and	Degree: (A: So	ound cond	dition, B: Need M	lajor Re	pair, C: Se	erious condition)	
Superst	ructure:	В						
Abutme	nt/Pier:	В						

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Shoe:







Bridge No. :	B53	Bridge	Name :	2			(Bridge or Culvert	
Identification No	o.:						Survey Date: 2013/2/21	
Betw	een	Pazuno	laung	station	and		Yangon Central station	
Mile Post (dista	nce from Ya	anngon RS.)		MR's of	ficial d	lata	Measured by YUTRA*	
clock	wise:							
anti-c	lockwise(if	any):		0/7	'-0/8			
equivalent KM I	Post (distan	ce from Yang	on RS.)					
clock	wise:			45.07			45.56	
anti-c	lockwise(if	any):						
Type of Bridge	: Hard w	ood		Year of Built :				
Bridge Length:		1 Span @	0.6	m =	0.6	m	Skew:degree	
Bridge Width:		0 m						
Bridge Conditio	ns: Extent ar	nd Degree: (A: S	ound cond	dition, B: Need M	ajor Re	pair, C: S	erious condition)	
Supe	rstructure:	В						
Abutr	ment/Pier:	В						

Utility line None Electric / Water / Gas / Telecommunication / Optical fiber / Others(......)

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Shoe:





Remarks

Side drainge

APPENDIX 3-5

BRIDGE INSPECTION REPORT SHEET

BRIDGE INSPECTION REPORT SHEET (2) DIVISION ASSISTANT ENGINEER P.W.I YANGON

Ah-Ah-Na (3) Than St./Mingaladon

2012-2013

5		Type of				Sub Structu	res	All-All-Na (0) Ti		Date of	luiti al	2012-2
Bridge No.	Enviroment	Foundation				Abuntment	Pier	Safery condition	Date	Counter	Initial	Remarks
			RL- BF	RL - TF	RL - TA					measure		
2	3	4	5	6	7	8	9	10	11	12	13	14
	GOOD	OPEN	5'-0"			GOOD	GOOD	GOOD	27.9.2012			
	GOOD	OPEN	6'-9"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
UP	GOOD	OPEN	7'-0"			GOOD	GOOD	GOOD		30.9.2012		
DN	GOOD	OPEN	7'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	GOOD	OPEN	5'-6"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	GOOD	OPEN	8'-0"			GOOD	GOOD	GOOD		30.9.2012		
	GOOD	OPEN	7'-9"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	GOOD	OPEN				GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
) UP	GOOD	OPEN	15'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
DN	GOOD	OPEN	15'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
1	GOOD	OPEN	5'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
2	GOOD	OPEN	5'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
3	GOOD	OPEN	8'-3"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
5 UP	GOOD	OPEN	6'-3"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
DN	GOOD	OPEN	6'-3"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
3 UP	GOOD	OPEN	13'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
DN	GOOD	OPEN	13'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
20	GOOD	OPEN	7'-2"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
22	GOOD	OPEN	7'-9"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
27	GOOD	OPEN	7'-10"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
28	GOOD	OPEN	7'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
29		OPEN	7'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		

Mr.Tin Win B.E (Civil) Assistant General Manager (Civil) Division (7) Yangon. Mr.Thura Zaw Assistant Engineer (Civil) Division (7) Yangon. Junior Engineer (1)Yangon Engineer Department (Civil) Myanma Railway Division (7) Yangon Junior Engineer (1) Than St. Myanma Railway (Civil) Yangon

BRIDGE INSPECTION REPORT SHEET (2) DIVISION ASSISTANT ENGINEER P.W.I YANGON

Ah-Ah-Na (3) Than St./KyeeMyindaing

2012-2013

			T				Sub Structui	An-An-Na (3) In		Date of		2012-2013	
Bridge	No.	Enviroment	Type of				Abuntment		Safery condition	Date	Counter	Initial	Remarks
			Foundation	RL- BF	RL - TF	RL - TA			·		measure		
2		3	4	5	6	7	8	9	10	11	12	13	14
6 UP		GOOD	OPEN	6'-11"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	DN	GOOD	OPEN	6'-4"			GOOD	GOOD	GOOD	27.9.2012			
17 UP		GOOD	OPEN	4'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	DN	GOOD	OPEN	4'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
18 UP		GOOD	OPEN	6'-5"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	DN	GOOD	OPEN	6'-5"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
20UP		GOOD	OPEN	8'-9"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	DN	GOOD	OPEN	8'-9"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
21 UP		GOOD	OPEN	8'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
	DN	GOOD	OPEN	8'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
22 UP		GOOD	OPEN	8'-7"			GOOD	GOOD	GOOD		30.9.2012		
	DN	GOOD	OPEN	8'-7"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		

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BRIDGE INSPECTION REPORT SHEET (2) DIVISION ASSISTANT ENGINEER P.W.I YANGON

Ah-Ah-Na (3) Than St./KyeeMyindaing

2012-2013

Bridge No.	Enviroment	Type of Foundation	Sub Structures							Date of		2012-201
						Abuntment Pier		Safery condition	Date		Initial	Remarks
			PI - RF	RL - TF	IRI - TA		riei	Jaiery Condition	Date	Counter	iiiiiai	I/Cilial K2
2	3	4	5	6	7	8	9	10	11	measure 12	13	14
BR-3 1st line to		-	- 		-				1			
6 line	GOOD	OPEN	35'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
BR-8 1st line to		0					0002	0002		00.0.20.2		
4 line	GOOD	OPEN	35-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
BR-9 Up Main												
DN Main	GOOD	OPEN	43'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
BR-9 Up												
Circular	GOOD	OPEN	43'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
BR-10 Up	GOOD	OPEN	43-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
DN	GOOD	OPEN	43'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
BR-11 Up	GOOD	OPEN	12'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
DN	GOOD	OPEN	12'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
BR-13 Up	GOOD	OPEN	64'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		
DN	GOOD	OPEN	64'-0"			GOOD	GOOD	GOOD	27.9.2012	30.9.2012		

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APPENDIX 3-6-1

Summary of Survey Data about ROB

Summary of Survey Data about ROB

Infrastructure No	MR's ID No	Survey date	Infrastructure Type	Height from RL to Under Girder	No. of Span	ROB lane no.		urrent Con B: Repair		Remarks
R01	C2	2014/2/21	RC I Girder	4.59	3	1+4 with sidewalk	А	А	can't see	
R02	C2A	2014/2/21	Steel Arch Truss	3.94	1	1+4 with sidewalk	А	А	А	
R03	C5	2014/2/21	RC Girder	3.92	2	2+2 with sidewalk	В	В	None	
R04	C6A	2014/2/21	RC I Girder	3.82	2	1+1	В	В	В	
R05	C7	2014/2/21	RC I Girder	3.83	2	3+3 with sidewalk	В	А	None	
R06	C8	2014/2/21	Steel I Girder	4.26	1	1+1	Α	Α	None	
R07	C10	2014/2/21	Steel I Girder	3.85	1	2+2 with median	С	А	None	
R08	C10A	2014/2/21	Steel I Girder	3.87	1	1+1 with sidewalk (one side)	В-С	A	None	
R09	C12	2014/2/21	Steel I Girder	4.21	3	2+1	Α	В	can't see	
R10	C16	2014/2/21	Steel I Girder	3.88	1	2+2 with sidewalk, median	A	В	None	
R11	C16BX	2014/2/21	RC I Girder	4.48	10	2+2	Α	Α	can't see	
R12	C16A		Steel I Girder	3.97	1	1+1	Α	Α	None	
R13	C21BX	2014/2/21	RC I Girder	4.57	12	2+2	Α	Α	can't see	
R14	C24A	2014/2/22	RC I Girder	4.69	13~15	1+1	Α	Α	can't see	a lot of rubbish under ROB
R15	A34A	2014/2/22	PC I Girder	4.34	3	1+3	Α	В	can't see	
R16	A34B	2014/2/22	PC I Girder	4.45	3	1+2	Α	В	can't see	
R17	A17AX	2014/2/22	PC I Girder	4.36	1	1+1	Α	Α		
R18	A13A	2014/2/22	RC I Girder	5.37	1	1+1	В	В		
R19	A10AX		PC I Girder	4.16	10	2+2	В	В		
R20	A1A		PC I Girder	4.47	9	1+3	В	В		
R21	A1DX		PC I Girder	4.66	5	1+2	В	В		
R22	YM8A		RC I Girder	4.63	4	3+3	В	В		
R23	YM5		RC I Girder	4.22	3	1+1	В	В		
R24	YM2A		RC I Girder	3.99	6	2+2	В	В		
R25	C1	2014/2/21	PC Girder	6.96	5	2+2	В	В		

APPENDIX 3-6-2

DATA SHEET for ROB

ROB No. R01 ROB Name : Sule

Identification No.: C2 Survey Date: 2014/2/21

Yangon Central	station and	Phaya Rd. station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	0/4-0/5	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon RS.)		
clockwise:	0.29	0.33
anti-clockwise(if any):		

Type of ROB: RC I girder(8) Year of Built:

ROB Length: 3 Span @ m = m Skew: degree

ROB Lane No.: 1+4 lanes with sidewalk

Clearance from RL to under girder (m): 4.59 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A mold

Abutment/Pier: A mold

Shoe: - can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R02 ROB Name : Sule

Identification No.: C2A Survey Date: 2014/2/21

Between	Yangon Central	station	and	Phaya Rd. s	station
Mile Post (distance from Yar	nngon RS.)	MR's	official data	Measured by YUTF	RA _*
clockwise:			04/-05		
anti-clockwise(if a	ny):				
equivalent KM Post (distance	e from Yangon RS.)				
clockwise:			0.29	0.35	
anti-clockwise(if a	ny):				
Type of DOD: Steel or	ob truco	Voor of Du	.:14 .		

Type of ROB: Steel arch truss Year of Built:

ROB Length: 1 Span @ m = m Skew: degree

ROB Lane No. : 1+4 lanes with sidewalk

Clearance from RL to under girder (m): 3.94 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: A break brick

Shoe: A

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R03 ROB Name: Pha Ya Toad

Identification No.: C5 Survey Date: 2014/2/21

Between Phaya Rostation and Lanmataw station

Mile Post (distance from Yanngon RS.) MR's official data Measured by YUTRA

clockwise: 0/15-0/16

anti-clockwise(if any):

equivalent KM Post (distance from Yangon RS.)

clockwise: 1.03 0.93

anti-clockwise(if any):

Type of ROB: RC girder(10) Year of Built:

ROB Length: 2 Span @ m = m Skew: degree

ROB Lane No. : 2+2 lanes with sidewalk

Clearance from RL to under girder (m): 3.92 Design Load (ton):

Width(m): 20.25

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B mold

Abutment/Pier: B mold,peeling

Shoe: None

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Remarks	
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ROB No. R04 ROB Name: Lan Ma Taw

Identification No.: C6A Survey Date: 2014/2/21

Between Lanm	ata station and	Pyay Rd. station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	1/0-1/1	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon RS	S.)	
clockwise:	1.71	1.52
anti-clockwise(if any):		
T (DOD DOLLI)		_

Type of ROB: RC I girder(9) Year of Built:

ROB Length: 2 Span @ m = m Skew: degree

ROB Lane No. : 1+1 lanes

Clearance from RL to under girder (m): 3.82 Design Load (ton):

Width(m): 17.25

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B crack

Shoe: B

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Same as F03

ROB No. R05 ROB Name : Pyay Road

Identification No.: C7 Survey Date: 2014/2/21

Between	Pyay Rd	station	and	Shan Rd.	station
Mile Post (distance from Yanngon RS.)		MR's	official data	Measured by YU	JTRA _*
clockwise:		1	/11-1/12		
anti-clockwise(if any):					
equivalent KM Post (distance from Yang	on RS.)				
clockwise:			2.37	2.13	
anti-clockwise(if any):					
Type of DOD: DC Lairder(7)	,	Voor of Di	rilt ·		

Type of ROB: RC I girder(7) Year of Built:

ROB Length: 2 Span @ m = m Skew: 30 degree

ROB Lane No. : 3+3 lanes with sidewalk

Clearance from RL to under girder (m): 3.83 Design Load (ton):

Width(m): 24.75

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: A crack

Shoe: None

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Pierbis steel

ROB No. R06 ROB Name: Kha Yae Pin

Identification No.: C8 Survey Date: 2014/2/21

Between P	Pyay Rd station and	Shan Rd. station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	1/21-1/22	
anti-clockwise(if any):		
equivalent KM Post (distance from Yango	n RS.)	
clockwise:	3.04	2.68
anti-clockwise(if any):		
Type of ROB : Steel Lairder(7)	Year of Built	

20 degree ROB Length: 1 Span @ Skew: m =

ROB Lane No. : 1+1 lanes

Clearance from RL to under girder (m): 4.26 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

> Superstructure: Α mold

Abutment/Pier: Α

Shoe: None

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R07 ROB Name: Shan Road

Identification No.: C10 Survey Date: 2014/2/21

Between	Shan Rc station and	Ahlone Rd. station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	2/10-2/11	
anti-clockwise(if any):		
equivalent KM Post (distance from Yango	on RS.)	
clockwise:	3.91	3.13
anti-clockwise(if any):		
Tune of DOD . Cheel Lairder(12)	Voor of Duilt	

Type of ROB: Steel I girder(12) Year of Built:

ROB Length: 1 Span @ 9.55 m = 9.55 m Skew: 20 degree

ROB Lane No. : 2+2 lanes with median

Clearance from RL to under girder (m): 3.85 Design Load (ton):

Width(m): 24

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: C a lot of rust

Abutment/Pier: A

Shoe: None

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Same as F06

ROB No. R08 ROB Name : Ahlone

Identification No.: C10A Survey Date: 2014/2/21

Between	Shan Rc station	and	Ahlone Rd. station
Mile Post (distance from Yanngon RS.)	MR'	s official data	Measured by YUTRA*
clockwise:		2/12-	
anti-clockwise(if any):			
equivalent KM Post (distance from Yang	on RS.)		
clockwise:		4.02	3.63
anti-clockwise(if any):			

Type of ROB: Steel I girder(8) Year of Built:

ROB Length: 1 Span @ m = m Skew: degree

ROB Lane No. : 1+1 lanes with sidewalk (one side)

Clearance from RL to under girder (m): 3.87 Design Load (ton):

Width(m): 9.44

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B-C rot

Abutment/Pier: A

Shoe: None

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Same as F07

ROB No. R09 ROB Name: Pan Hlaing

Identification No.: C12 Survey Date: 2014/2/21

Between Panhlaing	R station and	Kyeemyindair station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	2/23-2/24	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon RS.)	
clockwise:	4.78	4.56
anti-clockwise(if any):		

Type of ROB: Steel I girder(8) Year of Built:

ROB Length: 3 Span @ 8.68+0.68+6.72+0.68+8.97= 25.73 r Skew: degree

ROB Lane No. : 2+1 lanes

Clearance from RL to under girder (m): 4.21 Design Load (ton):

Width(m): 9.75

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: B peel off, mold

Shoe: - can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R10 ROB Name: Han Tha Waddy

Identification No.: C16 Survey Date: 2014/2/21

Between	Hanthawado	station	and	Hlet	an station
Mile Post (distance from Yanngon R	MR's	official data	Measured	by YUTRA*	
clockwise:			4/8-		
anti-clockwise(if any):					
equivalent KM Post (distance from Y	angon RS.)				
clockwise:			6.97	6	5.74
anti-clockwise(if any):					
Type of DOD . DC Lainder	,	Voor of D	.:14 .		

Type of ROB: RC I girder Year of Built:

ROB Length: 1 Span @ m = m Skew: 10 degree

ROB Lane No. : 2+2 lanes with sidewalk, median

Clearance from RL to under girder (m): 3.88 Design Load (ton):

Width(m): 18

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: B Crack

Shoe: None

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







ROB No. R11 ROB Name: Na Nat Taw

Identification No.: C16BX Survey Date: 2014/2/21

Between Han	thawadc station and	Hletan	station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YL	JTRA*
clockwise:	4/13-4/14		
anti-clockwise(if any):			
equivalent KM Post (distance from Yango	on RS.)		
olo okurio o :	7.24	7.00	

clockwise: 7.34 7.09

anti-clockwise(if any):

Type of ROB: RC I girder(10) Year of Built:

ROB Length: 10 Span @ 17.8 m = 17.8m (rail span) Skew: degree

ROB Lane No. : 2+2 lanes

Clearance from RL to under girder (m): 4.48 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: A

Shoe: can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

only measured the 1 span over the railway line

ROB No. R12 ROB Name : Hle Dan

Identification No.: C16A Survey Date: 2014/2/21

Between Hanthaw	vadc station and	Hletan station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	4/19-4/20	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon R	S.)	
clockwise:	7.74	7.48
anti-clockwise(if any):		
Type of ROB : Steel I girder(6)	Year of Built :	

ROB Length: 1 Span @ 10.4 m = 10.4 m Skew: 30 degree

ROB Lane No. : 1+1 lanes

Clearance from RL to under girder (m): 3.97 Design Load (ton):

Width(m): 12

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: A

Shoe: - can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R13 ROB Name : Thamine

Identification No.: C21BX Survey Date: 2014/2/21

Between	Oakkyin	station	and		Thamine	station
Mile Post (distance from Yanngon RS.)		MR's	official data	Ме	asured by YU	ITRA*
clockwise:			7/6-7/7			
anti-clockwise(if any):						
equivalent KM Post (distance from Yango	n RS.)					
clockwise:			11.70		11.71	
anti-clockwise(if any):						
	_					

Type of ROB: RC I girder(10) Year of Built:

ROB Length: 12 Span @ 17.54 m = 17.54m (rail span) Skew: degree

ROB Lane No. : 2+2 lanes

Clearance from RL to under girder (m): 4.57 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: A

Shoe: - can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

only measured the 1span over the railway line

ROB No. R14 ROB Name : Insein

Identification No.: C24A Survey Date: 2014/2/22

Between	Insein	station	and	Ywama	station
Mile Post (distance from Yanngon RS.)		MR's	official data	Measured by Yl	JTRA*
clockwise:			9/6-9/7		
anti-clockwise(if any):					
equivalent KM Post (distance from Yang	on RS.)				
clockwise:			14.92	14.92	
anti-clockwise(if any):					
T (DOD DOL : 1 (5)			***	·	

Type of ROB: RC I girder(5) Year of Built:

ROB Length: 13~15 Span @ 17.75 m = 17.75m (1Span) Skew: degree

ROB Lane No. : 1+1 lanes

Clearance from RL to under girder (m): 4.69 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: A

Shoe: - can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

a lot of rubbish under ROB only measured the 1span over the railway line

ROB No. R15 ROB Name: Kyaikkalel

Identification No.: A34A Survey Date: 2014/2/22

Between Ky	yaikkal station and	Mingaladon Bazz station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA _*
clockwise:	13/13-	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon	n RS.)	
clockwise:	23.78	24.72
anti-clockwise(if any):		
Type of ROB: PC I girder	Year of Built :	

Skew: ROB Length: 3 Span @ degree m = m

ROB Lane No. : 1+3 lanes

Clearance from RL to under girder (m): 4.34 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

> Superstructure: Α

Abutment/Pier: В

Shoe: can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R16 ROB Name : Kyaikkalel

Identification No.: A34B Survey Date: 2014/2/22

Between	Kyaikkal station ar	nd Minga	ladon station
Mile Post (distance from Yanngon RS.)	MR's offic	cial data Measured by	y YUTRA*
clockwise:	13/1	14	
anti-clockwise(if any):			
equivalent KM Post (distance from Yango	n RS.)		
clockwise:	23.7	76 24.7	77
anti-clockwise(if any):			
Turns of DOD . DO Lainden	Voor of Duilt		

Type of ROB: PC I girder Year of Built:

ROB Length: 3 Span @ 15.43 m = 15.43m (1Span) Skew: degree

ROB Lane No. : 1+2 lanes

Clearance from RL to under girder (m): 4.45 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Abutment/Pier: B crack

Shoe: - can't see

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

only measured the 1span over the railway line

DATA SHEET for ROB ROB No. R17 ROB Name: Kyauk Ye Twin Survey Date: Identification No.: A17AX 2014/2/22 Tadakalay station Between Kyaukyetw station and Measured by YUTRA* Mile Post (distance from Yanngon RS.) MR's official data clockwise: 20/18-20/19 anti-clockwise(if any): equivalent KM Post (distance from Yangon RS.) 20.78 clockwise: 32.33 anti-clockwise(if any): Type of ROB: PC I girder Year of Built:..... ROB Length: 1 Span @ 24.5 m = 24.5 m Skew: degree ROB Lane No. : 1+1 lanes Clearance from RL to under girder (m): 4.36 Design Load (ton): Width(m): ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition) Superstructure: Α Abutment/Pier: Α

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Shoe:



R	er	na	ar	ks
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ROB No. R18 ROB Name : Oak Pone Sate

Identification No.: A13A Survey Date: 2014/2/22

Between Tadak	ala station and	Ygu	station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by `	YUTRA*
clockwise:	7/13-7/14		
anti-clockwise(if any):			
equivalent KM Post (distance from Yangon RS	.)		
clockwise:	33.40	34.46	
anti-clockwise(if any):			
Type of POR: PC Lairder	Vear of Built :		_

DATA SHEET for ROB

Type of ROB: RC I girder Year of Built:

ROB Length: 1 Span @ m = m Skew: degree

ROB Lane No. : 1+1 lanes

Clearance from RL to under girder (m): 5.37 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Caporotidotaro: D

Abutment/Pier: B

Shoe:

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R19 ROB Name : Parami Identification No.: A10AX

Identification No.: A10AX Survey Date: 2014/2/21

DATA SHEET for ROB

Between	Yegu	station	and	Parame	station
Mile Post (distance from Yanngon RS.)		MR's	official data	Measured by Yl	JTRA*
clockwise:			6/5-6/6		
anti-clockwise(if any):					
equivalent KM Post (distance from Yang	on RS.)				
clockwise:			35.54	36.62	
anti-clockwise(if any):					

Type of ROB: PC I girder Year of Built:.....

ROB Length: 10 Span @ m = m Skew: degree

ROB Lane No. : 2+2 lanes

Clearance from RL to under girder (m): 4.16 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B

Shoe:

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R20 ROB Name : Min Ye Kyaw Swar

Identification No.: A1A Survey Date: 2014/2/21

Between Tarr	mwe station and	Myittanyunt station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	3/18-3/19	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon F	RS.)	
clockwise:	39.50	40.51
anti-clockwise(if any):		
Type of BOD: DC Lairder	Voor of Built :	

Type of ROB: PC I girder Year of Built:.....

ROB Length: 9 Span @ m = m Skew: degree

ROB Lane No. : 1+3 lanes

Clearance from RL to under girder (m): 4.47 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B

Shoe:

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R21 ROB Name: Min Ye Kyaw Swar

Identification No.: A1DX Survey Date: 2014/2/21

Between Tarmy	ve station and	Myittanyunt station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	3/18-3/19	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon RS	.)	
clockwise:	39.50	40.52
anti-clockwise(if any):		
Type of ROB : PC Lairder	Year of Built :	

Type of ROB: PC I girder Year of Built:.....

ROB Length: 5 Span @ m = m Skew: degree

ROB Lane No. : 1+2 lanes

Clearance from RL to under girder (m): 4.66 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B

Shoe: -

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Remarks

same as R20

ROB No. R22 ROB Name : La Gun Eain

Identification No.: YMBA Survey Date: 2014/2/21

Between Myittanyu	r station and	Mahlwago station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	2/17-2/18	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon RS.)		
clockwise:	41.17	42.11
anti-clockwise(if any):		
Type of POR: PC Lairder	Vear of Built :	

Type of ROB: RC I girder Year of Built:

ROB Length: 4 Span @ m = m Skew: degree

ROB Lane No. : 3+3 lanes

Clearance from RL to under girder (m): 4.63 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B

Shoe: -

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







ROB No. R23 ROB Name: Set Yone

Identification No.: YM5 Survey Date: 2014/2/21

Between Ma	hlwagon station and	Pazundau station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	1/2-1/3	
anti-clockwise(if any):		
equivalent KM Post (distance from Yang	on RS.)	
clockwise:	43.80	44.33
anti-clockwise(if any):		
Type of ROB : RC Lairder	Year of Built :	

Type of ROB: RC I girder

Skew: ROB Length: 3 Span @ degree m =

ROB Lane No. : 1+1 lanes

Design Load (ton): Clearance from RL to under girder (m): 4.22

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

> Superstructure: В

Abutment/Pier: В

Shoe:

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









DATA SHEET for ROB ROB No. R24 ROB Name: Thein Phyu

Identification No.: YM2A Survey Date: 2014/2/21

Between Pazur	ndaur station and	Yangon Centstation
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:	0/7-0/8	
anti-clockwise(if any):		
equivalent KM Post (distance from Yangon F	RS.)	
clockwise:	45.07	45.54
anti-clockwise(if any):		
Type of ROB: RC Lairder	Year of Built :	

ROB Length: Skew: 6 Span @ degree m =

ROB Lane No. : 2+2 lanes

Clearance from RL to under girder (m): 3.99 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

> Superstructure: В

В Abutment/Pier:

Shoe:

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









ROB No. R25 ROB Name: Pan Soe Dan

Identification No.: C1 Survey Date: 2014/2/21

Between F	Pazundaur station and	Yangon Centstation
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA _*
clockwise:	0/0-0/1	
anti-clockwise(if any):		
equivalent KM Post (distance from Yan	gon RS.)	
clockwise:	43.93	46.10
anti-clockwise(if any):		
Type of POP: PC Lairder	Voor of Built :	

Type of ROB: PC I girder Year of Built:

ROB Length: 5 Span @ m = m Skew: degree

ROB Lane No. : 2+2 lanes

Clearance from RL to under girder (m): 6.96 Design Load (ton):

Width(m):

ROB Conditions: Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: B

Abutment/Pier: B

Shoe: B

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









APPENDIX 3-7-1

Summary of Survey Data about FOB

Summary of Survey Data about FOB

Infrastructur e No		Survey date	,,	Height from RL to Under Girder		Location	Current Condition A: OK, B: Repair C: Danger		Remarks	
F01	C3		Steel Truss	4.27		Not	Α	B-C	В	
F02	C4		Steel Truss	4.46	1	Inside	Α	Α	Α	under girder is repairing now
F03	C5AX	2014/2/21	-	-	-	-	-	-	-	same as R04
F04	C6BX	2014/2/21	-	4.32	-	-	-	-	-	same as R05
F05	C9		Steel Truss	4.18	1	Not	Α	Α	Α	
F06	C10BX	2014/2/21	-	-	-	-	-	-	-	same as R07
F07	C10CX	2014/2/21	-	-	-	-	-	-	-	same as R08
F08	C12AX		Steel Truss	4.99	1	Inside	Α	Α	Α	
F09	C12BX	2014/2/21	Steel Truss	4.07	2	Not	Α	Α	В	
F10	C13A	2014/2/21	Steel Truss	3.88		Inside	В	Α	В	
F11	C13B	2014/2/21	Steel Truss	4.23	4	Not	В	B-C	В	
F12	C14AX	2014/2/21	Steel Truss	4.98	2	Not	Α	-	Α	Under construction
F13	C15	2014/2/21	Steel Truss	4.88		Not	Α	-	Α	Repair now
F14	C16CX	2014/2/21	Steel Truss	4.98	1	Inside	В	B-C	Α	
F15	C19	2014/2/21	Steel Truss	4.57		Not	Α	Α	Α	
F16	C19A		Steel Truss	4.58	2	Not	Α	Α	Α	
F17	C21AX	2014/2/21	Steel Truss	4.18	1	Inside	В	В	В	
F18	C23A	2014/2/22	Steel Truss	4.21	2	Inside	Α	Α	Α	
F19	C23B	2014/2/22	Steel Truss	3.89	10	Inside	В	В	В	
F20	C25CX	2014/2/22	Steel Truss	4.93	1	Inside	В	Α	Α	
F21	C27AX	2014/2/22	Steel Truss	4.84	1	Inside	Α	Α	Α	
F22	C30A	2014/2/22	Steel Truss	4.82	1	Inside	Α	Α	Α	
F23	A43AX		Steel Truss	4.96	1	Inside	Α	Α	Α	
F24	A21DX		Steel Truss	4.94	1	Inside	В	В	В	
F25	A21BX		Steel Truss	4.85	1	Inside	С	С	С	
F26	A21AX	2014/2/22	Steel Truss	4.48	1	Not	Α	Α	Α	
F27	A15AX	2014/2/22	Steel Truss	4.96	1	Inside	В	В	В	
F28	A12AX		Steel Truss	4.95	1	Inside	В	В	В	
F29	A7BX		Steel Truss	4.81		Inside	В	Α	Α	
F30	A4		Steel Truss	4.93		Inside	-	-	-	Under construction
F31	A1CX		Steel Truss	4.8		Inside	-	-	-	Under construction
F32	YM7	2014/2/21		4.78		Inside	В	В	В	
F33	YM4	2014/2/21		4.62		Inside	В	В	В	
F34	YM3A		Steel Truss	4.78		Not	В	В	A	
F35	YM2B		Steel Truss	4.73		Not	A	A	A	
F36	C1AX	2014/2/21		4.74		Inside	В	В	В	

APPENDIX 3-7-2

DATA SHEET for FOB

FOB No.: F01	FOB Name :	Bogyoke M	larket	_	
Identification No.:	C3			Survey Date	2014/2/21
Between	Yangon Central	station	and	Phaya R	d. station
Mile Post (distance fro	m Yanngon RS.)	MR's c	official data	Measured I	by YUTRA*
clockwise:		0/1	1-0/12		
anti-clockwise	e(if any):				
equivalent KM Post (d	istance from Yangon RS.)				
clockwise:	(0.77	0.63		
anti-clockwise	e(if any):				
Type of FOB : Steel tr	uss	Year of Bui	ilt :		
FOB Length:	3 Span @	m =	m		
learance from RL to ur	nder girder (m): 4.27				
Location (inside station	n or not) not				
FOB Condition Extent ar	nd Degree: (A: Sound condition,	B: Need Major	Repair, C: Serio	us condition)	
Superstructur	e: A				

rust, rot

rust, rot

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В-С

В



Under girder
Abutment/Pier:







FOB No.: F02	FOB Name :	Pha Ya Ro	oad			
Identification No.:	C4			Survey Date	2014/2/21	
Between	Yangon Central	station	and	Phaya R	Rd. station	
Mile Post (distance	from Yanngon RS.)	MR's	official data	Measured by YUTRA*		
clockwise:		0/	14-0/15			
anti-clockw						
equivalent KM Post	(distance from Yangon RS.)					
clockwise:		0.97 0.78				
anti-clockw	ise(if any):					
Type of FOB : Stee	l truss	Year of Bu	uilt :			
FOB Length:	1 Span @	m =	m			
learance from RL to under girder (m): 4.46						
Location (inside sta	tion or not) inside					
FOR Condition Exten	t and Degree: (A: Sound condition	R: Need Maid	or Renair C: Serio	ous condition)		

FOB Condition Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure: A

Under girder A installing

Abutment/Pier: A

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

Under girder is repairing now

FOB No.: F03	FOB Name :	Lamataw			
Identification No.:	C5AX			Survey Date	2014/2/21
Between	Lamataw	station	and	Phaya R	d. station
Mile Post (distance from	Yanngon RS.)	MR's	MR's official data		by YUTRA*
clockwise:		1/	/1-1/24		
anti-clockwise(i	f any):				
equivalent KM Post (dist	ance from Yangon RS.)				
clockwise:		2.41		1.48	
anti-clockwise(i	f any):				
Type of FOB:		Year of Bu	ilt :		
FOB Length :	Span @	m =	m		
learance from RL to und	er girder (m):				
Location (inside station of	or not) not				
FOB Condition Extent and	Degree: (A: Sound condition,	B: Need Majo	r Repair, C: Seriou	s condition)	
Superstructure:					
Under girder					
Abutment/Pier:					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

Same as RO4

FOB No.: F04	FOB Name :	Sayama F	Road		
Identification No.:	C9			Survey Date	2014/2/21
Between	Pyay Rd	station	and	Shan Ro	d station
Mile Post (distance	e from Yanngon RS.)	MR's official data Measured by YL			y YUTRA*
clockwise	:	,	1/6-1/7		
anti-clock	wise(if any):				
equivalent KM Pos	st (distance from Yangon RS.))			
clockwise	clockwise:			2.10	
anti-clock	wise(if any):				
Type of FOB:		Year of B	uilt :		
FOB Length:	1 Span @	m =	m		
learance from RL t	o under girder (m): 4.32	2			
Location (inside st	ation or not) not				
FOB Condition Exte	ent and Degree: (A: Sound condition	, B: Need Maj	or Repair, C: Serio	ous condition)	
Superstru					
Under gird					
Abutment					
Abulment	/FICI.				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







Remarks

Same as RO5

FOB No.: F05	FOB Nan	ne : Sayama Ro	oad			
Identification No.: C9				Survey Date	2014/2/21	
Between	Pyay Rd	station	and	Shan Ro	d station	
Mile Post (distance from Yanno	gon RS.)	MR's o	fficial data	Measured b	y YUTRA*	
clockwise:		1/2	3-1/24			
anti-clockwise(if any):						
equivalent KM Post (distance fi	rom Yangon F	RS.)				
clockwise:	3	3.17 2.80				
anti-clockwise(if any):						
Type of FOB : Steel truss		Year of Bui	lt :			
FOB Length: 1 Span	@	m =	m			
learance from RL to under girde	er (m):	4.18				
Location (inside station or not)	not					
FOB Condition Extent and Degree:	FOB Condition Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)					
Superstructure:	Α	Painted				
Under girder	Α	Repaired				

Painted

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Abutment/Pier:



R	6	m	а	r	k	S

FOB No. :	F06	FOB Name	e: Shan Rd			
Identification	ı No.:	C10BX			Survey Date	2014/2/21
Bet	ween	Shan Rd.	station	and	Ahlone R	d. station
Mile Post (di	stance fron	n Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
cloc	kwise:			2/1-2/2		
anti	-clockwise((if any):				
equivalent K	M Post (dis	stance from Yangon RS	S.)			
clockwise:			3.31	3.10		
anti	-clockwise(if any):				
Type of FOE	3:		Year of E	Built:		
FOB Length	:	Span @	m =	m		
learance fror	n RL to und	der girder (m):				
Location (ins	side station	or not)				
FOB Conditi	On Extent and	d Degree: (A: Sound condition	on, B: Need Ma	jor Repair, C: Serio	us condition)	
	erstructure					
	ler girder					
	itment/Pier:					
	uncilui ici.	<u> </u>				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Same as RO7

FOB No.: F07	FOB Name :	Ahlone					
Identification No.: C10CX				Survey Date	2014/2/21		
Between S	han Rd.	station	and	Ahlone R	d. station		
Mile Post (distance from Yanngor	RS.)	MR's	official data	Measured	by YUTRA*		
clockwise:		2	2/5-2/6				
anti-clockwise(if any):							
equivalent KM Post (distance from	n Yangon RS.)						
clockwise:		3.59	3.66				
anti-clockwise(if any):							
Type of FOB :		Year of Built :					
FOB Length: 1 Span @		m =	m				
learance from RL to under girder	(m): 4.32						
Location (inside station or not)							
FOB Condition Extent and Degree: (A:	Sound condition, I	B: Need Majo	r Repair, C: Seriou	s condition)			
Superstructure:	Superstructure:						
Under girder							
Abutment/Pier:							

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Remarks	S
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Same as RO8

FOB No.: F08	FOB Name :	Pan Hlain	n			
Identification No.:	C12AX	<u> </u>	9	Survey Date	2014	/2/21
Between	Panhlaing Rd.	station	and	Kyeemyind		station
Mile Post (distance	MR's official data Measured by		by YUT	RA*		
clockwise:		3	3/1-3/2			
anti-clockv						
equivalent KM Post	(distance from Yangon RS.)					
clockwise:		4.92		4.55		
anti-clockv	vise(if any):					
Type of FOB : Stee	Year of Built :					
FOB Length:	1 Span @	m =	m			
learance from RL to under girder (m): 4.99						
Location (inside sta	Location (inside station or not) Inside					

FOB Condition Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)

Superstructure:APaintedUnder girderARepairedAbutment/Pier:APainted

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









FOB No.: F09	FOB Name	: Taw Lan S	Shaw Lan			
Identification No.:	C12BX			Survey Date	2014	/2/21
Between	Panhlaing Rd.	station	and	Kyeemyind	aing	station
Mile Post (distance from	m Yanngon RS.)	MR's	official data	Measured I	by YUT	RA*
clockwise:		3	3/8-3/9			
anti-clockwise	(if any):					
equivalent KM Post (dis	stance from Yangon RS.)				
clockwise:		5.39 4.90				
anti-clockwise	(if any):					
Type of FOB : Steel tru	ISS	Year of Built :				
FOB Length:	2 Span @	m =	m			
learance from RL to un	der girder (m): 4.0	7				
Location (inside station	or not) not					
FOB Condition Extent and	d Degree: (A: Sound condition	n, B: Need Majo	or Repair, C: Serio	ous condition)		
Superstructure	e: A					
Under girder	А					
Abutment/Pier	: В	rı	ust			

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









FOB No.: F10	FOB Name :	Kyee Myin	Daing			
Identification No.: C13	SA .			Survey Date	2014/	2/21
Between	Panhlaing Rd.	station	and	Kyeemyind	aing	station
Mile Post (distance from Yan	ngon RS.)	MR's	official data	Measured b	oy YUTI	RA*
clockwise:		3/	12-3/13			
anti-clockwise(if any):					
equivalent KM Post (distance	from Yangon RS.)					
clockwise:			5.66	5.	50	
anti-clockwise(if any):					
Type of FOB : Steel truss		Year of Built :				
FOB Length: 7 Spa	n @	m =	83.5 m			
learance from RL to under gir	der (m): 3.88					
Location (inside station or no	t) inside					
FOB Condition Extent and Degre	ee: (A: Sound condition,	B: Need Majo	or Repair, C: Seriou	us condition)		
Superstructure:	В					
Under girder	Α					

rust

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Abutment/Pier:







FOB No.: F11	FOB Name :	Than Ta D	ar		
Identification No.:	C13B			Survey Date	2014/2/21
Between	Kyeemyindaing	station	and	Hanthawa	ddy station
Mile Post (distance from	Yanngon RS.)	MR's	official data	Measured b	oy YUTRA*
clockwise:		3/	17-3/18		
anti-clockwise(i	f any):				
equivalent KM Post (dist	ance from Yangon RS.)				
clockwise:		6.00	5.90		
anti-clockwise(i	f any):				
Type of FOB : Steel trus	SS	Year of Built :			
FOB Length: 4	Span @	m =	m		
learance from RL to und	er girder (m): 4.23	1			
Location (inside station of	or not) Not				
FOB Condition Extent and	Degree: (A: Sound condition,	B: Need Majo	r Repair, C: Seriou	s condition)	
Superstructure:	В				
Under girder	B-C				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Abutment/Pier:







Remarks	Railway flyoyer Span
IVEIII AI NO	Manway hyover Span

FOB No.: F12	FOB Name :	Pan Pin G	⁄i			
Identification No.:	C14AX			Survey Date	2014/2/21	
Between	Kyeemyindaing	station	and	Hanthawa	ddy station	
Mile Post (distance from	n Yanngon RS.)	MR's	official data	Measured	by YUTRA*	
clockwise:		4	/0-4/1			
anti-clockwise((if any):					
equivalent KM Post (dis	stance from Yangon RS.)					
clockwise:		6.47 6.41		.41		
anti-clockwise((if any):					
Type of FOB : Steel tru	SS	Year of Built :				
FOB Length:	2 Span @	m =	m			
learance from RL to und	der girder (m): 4.98					
Location (inside station	or not) not					
FOB Condition Extent and	d Degree: (A: Sound condition,	B: Need Majo	r Repair, C: Seriou	ıs condition)		
Superstructure	: A					
Under girder	-					
Abutment/Pier:	: А					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Remarks

New FOB, Under construction

FOR No. 1 F12	FOR Name	. A Ma K a/	24\		
FOB No.: F13	FOB Name	: A Ma K a(۷۱)	1	
Identification No.:	C15			Survey Date	2014/2/21
Between	Hanthawaddy	station	and	Hledan	station
Mile Post (distance from	om Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:			-		
anti-clockwis	e(if any):				
equivalent KM Post (d	distance from Yangon RS	.)			
clockwise:		- 6.70		70	
anti-clockwis	e(if any):				
Type of FOB : Steel t	russ	Year of Built :			
FOB Length:	1 Span @	m =	m		
learance from RL to u	nder girder (m): 4.8	8			
Location (inside station	on or not) Not				
FOB Condition Extent a	and Degree: (A: Sound condition	n, B: Need Majo	or Repair, C: Seric	ous condition)	
Superstructu	re: A				
Under girder	-				
Abutment/Pie	er: A				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







D	emark	' C	Donoin	
К	emarr	S	Repair	HOW

FOB No.: F14	FOB Name	: Han Tha \	Naddy			
Identification No.: C1	6CX			Survey Date	2014/2/21	
Between	Hanthawaddy	station	and	Hledan	station	
Mile Post (distance from Ya	nngon RS.)	MR's	official data	Measured b	y YUTRA*	
clockwise:		4/	19-4/20			
anti-clockwise(if an	y):					
equivalent KM Post (distance	e from Yangon RS.)				
clockwise:			7.74 7.50		50	
anti-clockwise(if an	y):					
Type of FOB : Steel truss		Year of Bu	Year of Built :			
FOB Length: 1 Sp	an @	m =	m			
learance from RL to under g	irder (m): 4.9	8				
Location (inside station or ne	ot) inside					
FOB Condition Extent and Deg	ree: (A: Sound condition	n, B: Need Majo	or Repair, C: Serio	ous condition)		
Superstructure:	В					
Under girder	В					
Abutment/Pier:	Α					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Remarks			

FOB No. : F15 FOB Name :	: Hle Dan						
Identification No.: C19		Survey Date 2014/2/21					
Between Kamayut	station and	Thiri Myine station					
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*					
clockwise:	5/16-5/17						
anti-clockwise(if any):							
equivalent KM Post (distance from Yangon RS.))						
clockwise:	9.14	9.46					
anti-clockwise(if any):							
Type of FOB : Steel truss	Year of Built :						
FOB Length : 2 Span @	m = m						
learance from RL to under girder (m): 4.5	7						
Location (inside station or not) not							
FOB Condition Extent and Degree: (A: Sound condition	, B: Need Major Repair, C: Seri	ous condition)					
Superstructure: A	Superstructure: A						
Under girder A							
Abutment/Pier: A							

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





FOB No. : F16	FOB I	Name :			
Identification No.:	C19A			Survey Date	2014/2/21
Between	Kamayut	station	and	Thiri Myi	ne station
Mile Post (distance	from Yanngon RS.)	MR's	s official data	Measured	by YUTRA*
clockwise:					
anti-clockv	vise(if any):				
equivalent KM Post	(distance from Yango	on RS.)			
clockwise:				9.	.96
anti-clockv	vise(if any):				
Type of FOB: Stee	el truss	Year of E	Built:		
FOB Length:	2 Span @	m =	m		
learance from RL to	under girder (m):	4.58			
Location (inside sta	tion or not) not				
FOB Condition Exter	nt and Degree: (A: Sound c	ondition, B: Need Ma	jor Repair, C: Serio	us condition)	
Superstruc	cture: A				
Under gird	er A				
Abutment/	Pier: A				
Photos (General)	view, Side view(Left	and Right), Defe	cts, Damages,	etc)	



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FOB No. :	F17	ſ	OB Name :	Thamine			
Identification	n No.:	C21AX				Survey Date	2014/2/21
Bet	ween	Oa	kkyin	station	and	Thamin	e station
Mile Post (d	istance from	Yanngon F	RS.)	MR's o	official data	Measured	by YUTRA*
clo	ckwise:			7.	/5-7/6		
ant	i-clockwise(if	any):					
equivalent k	KM Post (dista	ance from \	/angon RS.)				
clockwise:		,	11.63	11.73			
ant	i-clockwise(if	any):					
Type of FOI	B : Steel trus	S		Year of Bu	ilt :		
FOB Length	n: 1	Span @		m =	m		
learance fro	m RL to unde	er girder (m): 4.18	}			
Location (in	side station o	r not)	inside				
FOB Condit	ion Extent and [Degree: (A: S	ound condition,	B: Need Major	r Repair, C: Seriou	us condition)	
Sup	perstructure:		В	Need paint			
Und	der girder		В				

Need paint

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Abutment/Pier:







FOB No. : F18 FOB Na	ıme : Insein			
Identification No.: C23A			Survey Date	2014/2/22
Between Insein	station	and	Ywama	station
Mile Post (distance from Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:	g	9/1-9/2		
anti-clockwise(if any):				
equivalent KM Post (distance from Yangon	RS.)			
clockwise:		14.58 14.60		.60
anti-clockwise(if any):				
Type of FOB : Steel truss	Year of Bu	uilt :		
FOB Length: 2 Span @	m =	m		
learance from RL to under girder (m):	4.21			
Location (inside station or not) inside	•			
FOB Condition Extent and Degree: (A: Sound con	dition, B: Need Majo	or Repair, C: Serio	ous condition)	
Superstructure: A				
Under girder A				
Abutment/Pier: A				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





Remarks

For transit in platform

FOB No.: F19		FOB Name :	Insein Fac	tory	1	
Identification No.:	C23B				Survey Date	2014/2/22
Between	In	sein	station	and	Ywama	station
Mile Post (distance f	rom Yanngon F	RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:			9	/2-9/3		
anti-clockwi	se(if any):					
equivalent KM Post	(distance from `	Yangon RS.)				
clockwise:	clockwise:			14.64	14.64	
anti-clockwi	se(if any):					
Type of FOB : Steel	truss		Year of Bu	ilt :		
FOB Length:	10 Span @		m =	m		
learance from RL to	under girder (m	ı): 3.89				
Location (inside stat	ion or not)	inside				
FOB Condition Extent	and Degree: (A: S	ound condition,	B: Need Majo	r Repair, C: Seriou	s condition)	
Superstruct	ure:	В	Need paint	t		
Under girde	er	В				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

В



Abutment/Pier:







					-
FOB No.: F20	FOB Name :	Ywama			
Identification No.: C25CX				Survey Date	2014/2/22
Between	Insein	station	and	Ywama	station
Mile Post (distance from Yanngon	RS.)	MR's	official data	Measured b	by YUTRA*
clockwise:		10)/1-10/2		
anti-clockwise(if any):					
equivalent KM Post (distance from	າ Yangon RS.)				
clockwise:			16.19	16	.19
anti-clockwise(if any):					
Type of FOB : Steel truss		Year of Bu	ilt :		
FOB Length: 1 Span @		m =	m		
learance from RL to under girder ((m): 4.93				
Location (inside station or not)	inside				
FOB Condition Extent and Degree: (A:	Sound condition,	B: Need Majo	r Repair, C: Seriou	us condition)	
Superstructure:	В				
Under girder	Α				
Abutment/Pier:	Α				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







FOB No. : F21	FOB Name :	: Aung San			
Identification No.:	C27AX			Survey Date	2014/2/22
Between	Aungsanmyo	station	and	Danyingo	ne station
Mile Post (distance from	n Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:		11	1/8-11/9		
anti-clockwise(if any):				
equivalent KM Post (dis	tance from Yangon RS.)			
clockwise:			18.26		.36
anti-clockwise(if any):				
Type of FOB : Steel tru	SS	Year of Bu	ıilt :		
FOB Length:	1 Span @	m =	m		
learance from RL to und	der girder (m): 4.84	4			
Location (inside station	or not) inside				
FOB Condition Extent and	Degree: (A: Sound condition	, B: Need Majo	or Repair, C: Serio	us condition)	
Superstructure	: A				
Under girder	Α				
Abutment/Pier:	Α				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









FOB No.: F22	FOB Name	: Da Nyin G	Sone		
Identification No.:	C30A			Survey Date	2014/2/22
Between	Danyingone	station	and	Gauk Kwi	in station
Mile Post (distance f	rom Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:		12	/14-12/15		
anti-clockwis	se(if any):				
equivalent KM Post (distance from Yangon RS	.)			
clockwise:		20.27 20.33		.33	
anti-clockwis	se(if any):				
Type of FOB : Steel	truss	Year of B	uilt :		
FOB Length:	1 Span @	m =	m		
learance from RL to	under girder (m): 4.8	32			
Location (inside stati	on or not) inside				
FOB Condition Extent	and Degree: (A: Sound condition	n, B: Need Maj	or Repair, C: Serio	ous condition)	
Superstructi	ure: A				
Under girde	r A				
Abutment/P	ier: A				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









FOB No.: F23 FOB Name:	Gout Kwin		
Identification No.: A43AX		Survey Date 2014/2/22	
Between Danyingone	station and	Gauk Kwin station	
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*	
clockwise:			
anti-clockwise(if any):	15/4-15/5		
equivalent KM Post (distance from Yangon RS.))		
clockwise:	21.14	21.89	
anti-clockwise(if any):			
Type of FOB : Steel truss	Year of Built :		
FOB Length: 1 Span @	m = m		
learance from RL to under girder (m): 4.96	6		
Location (inside station or not) inside			
FOB Condition Extent and Degree: (A: Sound condition	, B: Need Major Repair, C: Seriou	us condition)	
Superstructure: A			
Under girder A			

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Abutment/Pier:







FOB No.: F24	FOB Name	: Oakkalapa	a		
Identification No.:	A21DX			Survey Date	2014/2/22
Between	Oakkalapa	station	and	Paywe	etseikkorstation
Mile Post (distance from	om Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:					
anti-clockwis	e(if any):	10)/3-10/4		
equivalent KM Post (d	distance from Yangon RS.)			
clockwise:			29.25		.26
anti-clockwis	e(if any):				
Type of FOB : Steel t	russ	Year of Bu	uilt :		
FOB Length:	1 Span @	m =	m		
learance from RL to u	nder girder (m): 4.9	4			
Location (inside station	on or not) inside				
FOB Condition Extent a	and Degree: (A: Sound condition	, B: Need Majo	or Repair, C: Serio	us condition)	
Superstructu	re: B				
Under girder	В				
Abutment/Pie	er: B				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









R	e	m	а	r	k	S
	c		ч		n.	

FOB No. : F25	FOB Name :	Paywets	eikkon		
Identification No.:	A21BX			Survey Date	2014/2/22
Between	Oakkalapa	station	and	Paywetseik	kon station
Mile Post (distance from	Yanngon RS.)	MR's	s official data	Measured b	by YUTRA*
clockwise:					
anti-clockwise(i	f any):	(9/16-9/17		
equivalent KM Post (dist	ance from Yangon RS.)				
clockwise:			29.99	30	.92
anti-clockwise(i	f any):				
Type of FOB : None		Year of E	Built :		
FOB Length :	Span @	m =	m		
learance from RL to und	er girder (m): 4.85				
Location (inside station of	or not) inside				
FOB Condition Extent and	Degree: (A: Sound condition,	B: Need Ma	ajor Repair, C: Seriou	s condition)	
Superstructure:	С				
Under girder	С				
Abutment/Pier:	С				
Photos (General view,	Side view(Left and Rig	aht), Defe	ects, Damages, e	etc)	
None					
Remarks					

FOB No. : F26	FOB Name :	Paywetseik	kon Zay		
Identification No.:	A21AX			Survey Date	2014/2/22
Between	Paywetseikkon	station	and	Kyaukyetv	win station
Mile Post (distance fron	n Yanngon RS.)	MR's o	fficial data	Measured b	by YUTRA*
clockwise:					
anti-clockwise(if any):	9/1	1-9/12		
equivalent KM Post (dis	stance from Yangon RS.)				
clockwise:		3	0.33	31	.26
anti-clockwise(if any):				
Type of FOB : Steel tru	SS	Year of Built :			
FOB Length:	1 Span @	m =	m		
learance from RL to und	der girder (m): 4.48				
Location (inside station	or not) not				
FOB Condition Extent and	Degree: (A: Sound condition,	B: Need Major	Repair, C: Serio	us condition)	
Superstructure	: A				
<u>Under girder</u>	Α				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Abutment/Pier:





R	e	m	а	r	k	S

FOB No.: F27	FOB Name	— : Tadakalay	/		
Identification No.:	A15AX			Survey Date	2014/2/22
Between	Kyaukyetwin	station	and	Tadakala	ay station
Mile Post (distance f	rom Yanngon RS.)	MR's	official data	Measured b	y YUTRA*
clockwise:					
anti-clockwi	se(if any):		8/4-8/5		
equivalent KM Post (distance from Yangon RS.)			
clockwise:		32.40 33.46		.46	
anti-clockwi	se(if any):				
Type of FOB : Steel	truss	Year of B	uilt :		
FOB Length:	1 Span @	m =	m		
learance from RL to	under girder (m): 4.9	6			
Location (inside stati	on or not) inside				
FOB Condition Extent	and Degree: (A: Sound condition	n, B: Need Maj	or Repair, C: Serio	ous condition)	
Superstruct	ure: B				
Under girde	r B				
Abutment/P	ier: B				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









R	6	m	а	r	ks
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FOB Name :	Ye Ku			
			Survey Date	2014/2/22
Yegu	station	and	Parame	station
n RS.)	MR's	official data	Measured b	y YUTRA*
	,	7/2-7/3		
n Yangon RS.)				
		34.14	35.	.17
	Year of B	uilt :		
	m =	m		
(m): 4.95	1			
inside				
: Sound condition,	B: Need Maj	or Repair, C: Serio	us condition)	
В				
В				
В				
	Yegu n RS.) n Yangon RS.) (m): 4.95 inside : Sound condition, B B	Year of Bum = (m): 4.95 inside Sound condition, B: Need Major	Yegu station and n RS.) MR's official data 7/2-7/3 n Yangon RS.) 34.14 Year of Built :	Survey Date Yegu station and Parame RS.) MR's official data Measured by

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









FOB No.: F29	FOB Name :	Kanbe			
Identification No.: A7	'BX			Survey Date	2014/2/22
Between	Kanbe	station	and	Baukhta	w station
Mile Post (distance from Ya	nngon RS.)	MR's o	fficial data	Measured b	by YUTRA*
clockwise:					
anti-clockwise(if ar	y):	5/1	3-5/14		
equivalent KM Post (distance	ce from Yangon RS.)				
clockwise:		3	6.62	37	.70
anti-clockwise(if ar	y):				
Type of FOB : Steel truss		Year of Bui	lt :		
FOB Length: 1 Sp	oan @	m =	m		
learance from RL to under g	girder (m): 4.81				
Location (inside station or n	ot) inside				
FOB Condition Extent and Deg	ree: (A: Sound condition,	B: Need Major	Repair, C: Seriou	us condition)	
Superstructure:	В				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Under girder
Abutment/Pier:







FOB No.: F30 FOB Name:	Ye Ku	
Identification No.: A4		Survey Date 2014/2/22
Between Baukthaw	station and	Tarmwe station
Mile Post (distance from Yanngon RS.)	MR's official data	Measured by YUTRA*
clockwise:		
anti-clockwise(if any):	4/11-4/12	
equivalent KM Post (distance from Yangon RS.)		
clockwise:	38.37	39.39
anti-clockwise(if any):		
Type of FOB: Steel truss	Year of Built :	
FOB Length : Span @	m = m	
learance from RL to under girder (m): 4.93		
Location (inside station or not) inside		
FOB Condition Extent and Degree: (A: Sound condition,	B: Need Major Repair, C: Seriou	s condition)
Superstructure:		
Under girder		
Abutment/Pier:		
Photos (General view, Side view(Left and Rig	ght), Defects, Damages, e	etc)
None		
Remarks		
Under construction		

FOB No.:	F31	FOB Name :				
Identification	No.:	A1CX			Survey Date	2014/2/22
Betv	veen	Tarmwe	station	and	Myittanyu	ınt station
Mile Post (dis	stance from	n Yanngon RS.)	MR's	official data	Measured b	by YUTRA*
clocl	kwise:					
anti-	clockwise(i	if any):	3/2	20-3/21		
equivalent KI	√ Post (dis	tance from Yangon RS.)				
clocl	kwise:		;	39.37	40	.45
anti-	clockwise(i	if any):				
Type of FOB	: Steel trus	SS	Year of Built :			
FOB Length	<u>.</u>	Span @	m =	m		
learance from	RL to unc	ler girder (m): 4.8	1			
Location (ins	ide station	or not) inside				
FOB Condition	n Extent and	Degree: (A: Sound condition,	B: Need Majo	r Repair, C: Serio	us condition)	
Supe	erstructure	:				
Und	er girder					
Abut	:ment/Pier:					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)









Remarks

Under construction

FOB No.: F32	FOB Name :				
Identification No.: YM7				Survey Date	2014/2/22
Between Mal	wagone	station	and	Pazundau	ung station
Mile Post (distance from Yanngon I	RS.)	MR's	official data	Measured I	by YUTRA*
clockwise:					
anti-clockwise(if any):		2	/5-2/8		
equivalent KM Post (distance from	Yangon RS.)				
clockwise:		4	11.91	42	2.57
anti-clockwise(if any):					
Type of FOB : RC truss	•	Year of Bu	ilt :		
FOB Length: 2 Span @	1	m =	m		
learance from RL to under girder (n	1): 4.78				
Location (inside station or not)	inside				
FOB Condition Extent and Degree: (A: S	Sound condition, B	3: Need Major	Repair, C: Seriou	s condition)	
Superstructure:	В				
Under girder	В				

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Abutment/Pier:





FOB No.: F33	FOB Name :					
Identification No.:	YM4			Survey Date	2014	/2/22
Between	Pazundaung	station	and	Yangon Ce	entral	station
Mile Post (distance from	Yanngon RS.)	MR's	official data	Measured	by YUT	RA*
clockwise:						
anti-clockwise(if	any):	0,	/21-1/1			
equivalent KM Post (dista	ance from Yangon RS.)					
clockwise:		42.93		44	1.58	
anti-clockwise(if	any):					
Type of FOB : Steel trus	S	Year of Built :				
FOB Length: 2	Span @	m =	m			
learance from RL to unde	er girder (m): 4.62	2				
Location (inside station of	or not) inside					
FOB Condition Extent and I	Degree: (A: Sound condition,	B: Need Majo	r Repair, C: Serio	us condition)		
Superstructure:	В					
Under girder	В					
Abutment/Pier:	В					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)





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FOB Name :								
YM3A			Survey Date 2014/2		/22			
Pazundaung	station	and	Yangon Cei	ntral	station			
Mile Post (distance from Yanngon RS.)			Measured by YUTRA*					
anti-clockwise(if any):								
equivalent KM Post (distance from Yangon RS.)								
	43.96 44.96		.96	96				
anti-clockwise(if any):								
Type of FOB : Steel truss			Year of Built :					
2 Span @	m =	m						
learance from RL to under girder (m): 4.78								
Location (inside station or not) not								
FOB Condition Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)								
e: B								
В								
: A								
	Pazundaung n Yanngon RS.) if any): stance from Yangon RS. if any): ss 2 Span @ der girder (m): 4.78 or not) not d Degree: (A: Sound condition : B B	Pazundaung station MR's MR's if any): stance from Yangon RS.) if any): ss Year of But Yangor (m): A Degree: (A: Sound condition, B: Need Major But Yangor S) B B	YM3A Pazundaung station and n Yanngon RS.) MR's official data if any): 0/15-0/16 stance from Yangon RS.) 43.96 if any): ss 2 Span @ m = m der girder (m): 4.78 or not) not d Degree: (A: Sound condition, B: Need Major Repair, C: Serior : B B	YM3A Survey Date Pazundaung station and Yangon Cer Yanngon RS.) MR's official data Measured beautiful and the stance from Yangon RS.) if any): 43.96 44. if any): 43.96 44. if any): 45. 44. if any): 4.78 4.78 or not) not 4.78 Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition) 3.25 E B B	YM3A Survey Date 2014/2 Pazundaung station and Yangon Central In Yanngon RS.) MR's official data Measured by YUTR If any): 0/15-0/16 Istance from Yangon RS.) 43.96 44.96 If any): ss Year of Built : Year of Built : 2 Span @ m = m m der girder (m): 4.78 4.78 4.78 or not) not 3.72			

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)







FOB No. :	F35	ſ	OB Name :					
Identification	No.:	YM2B				Survey Date	2014	/2/22
Betw	een	Pazu	ndaung	station	and	Yangon Ce	ntral	station
Mile Post (distance from Yanngon RS.)			MR's	official data	Measured by YUTRA*			
clock	wise:							
anti-clockwise(if any):			0/	10-0/11				
equivalent KM Post (distance from Yangon RS.)								
clockwise:				44.87	45.34			
anti-clockwise(if any):								
Type of FOB : Steel truss			Year of Built :					
FOB Length : 2 Span @			m =	m				
learance from RL to under girder (m): 4.73								
Location (inside station or not) not								
FOB Condition Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)								
Supe	erstructure:		Α					
Unde	er girder		Α					

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)

Α



Abutment/Pier:







FOB No.: F36	FOB Name :						
Identification No.:	C1AX			Survey Date	2014/	2/22	
Between	Pazundaung	station	and	Yangon Ce	ntral	station	
Mile Post (distance from	MR's	official data	Measured by YUTRA*				
clockwise:							
anti-clockwise(if		0/1					
equivalent KM Post (dista	ance from Yangon RS.)						
clockwise:		45.53	46.11				
anti-clockwise(if							
Type of FOB : RC truss	Year of Built :						
FOB Length: 3	m = m						
learance from RL to under girder (m): 4.74							
Location (inside station or not) inside							
FOB Condition Extent and Degree: (A: Sound condition, B: Need Major Repair, C: Serious condition)							
Superstructure:	В						
Under girder	В						

Photos (General view, Side view(Left and Right), Defects, Damages, etc..)



Abutment/Pier:





