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THE STUDY ON INSPECTION AND MAINTENANCE SYSTEM FOR THE EXPRESSWAY

INSPECTION MANUAL FOR THE RAMA IX BRIDGE

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THE STUDY ON

INSPECTION AND MAINTENANCE SYSTEM FOR THE EXPRESSWAY

MAINTENANCE AND REPAIR MANUAL

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A.011 Contents of Database System Users Manual

THE STUDY ON

INSPECTION AND MAINTENANCE SYSTEM FOR THE EXPRESSWAY

DATABASE SYSTEM USERS MANUAL

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A.012 Coding Sheet for Superstructure Inventory

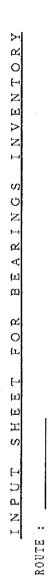
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A.013 Coding Sheet for Pier Inventory

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A.014 Coding Sheet for Expansion Joints Inventory



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Coding Sheet for Bearings Inventory

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Coding Sheet for Embankment Inventory A.016

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Coding Sheet for Railing Inventory

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A.018 Coding Sheet for Fence Inventory

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INPUT SHEET FOR PAVEMENT INVENTORY

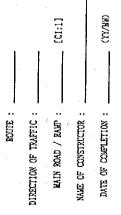
A.019 Coding Sheet for Pavement Inventory

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INPUT SHEET FOR LIGHTING INVENTORY

A.020 Coding Sheet for Lighting Inventory

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A.021 Coding Sheet for Traffic Sign Inventory

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A.022

Coding Sheet for Noise Barrier Inventory

CODING SHEET FOR DAILY INSPECTION (LAND SECTION)

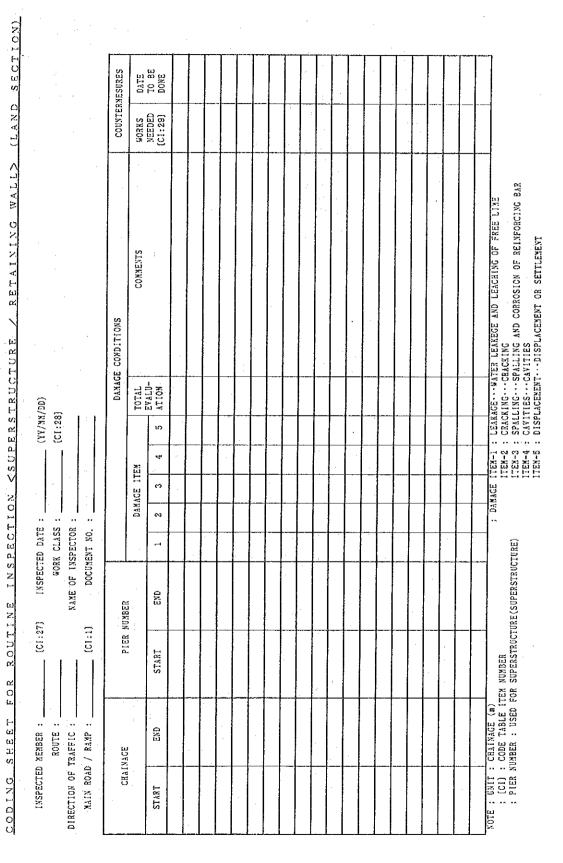
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A.023 Coding Sheet for Daily Inspection for Land Section

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CODING SHEET FOR DAILY INSPECTION (RAMA IX BRIDGE)

A.024 Coding Sheet for Daily Inspection for Rama IX Bridge Section



A.025 Routine Inspection Coding Sheet for Superstructure and Retaining Wall for Land Section

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A.026 Routine Inspection Coding Sheet for Guard Wall for Land Section

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A.027 Routine Inspection Coding Sheet for Drainage for Land Section

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Routine Inspection Coding Sheet for Pier for Land Section A.028

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A.029 Routine Inspection Coding Sheet for Expansion Joints for Land Section

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A.030 Routine Inspection Coding Sheet for Bearings for Land Section

A-58

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A.031 Routine Inspection Coding Sheet for Embankment for Land Section

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Routine Inspection Coding Sheet for Pavement for Land Section A:032

A-60

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A.033 Routine Inspection Coding Sheet for Lighting for Land Section

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A.034 Routine Inspection Coding Sheet for Traffic Sign for Land Section

A-62

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A.035 Routine Inspection Coding Sheet for Noise Barrier for Land Section

CODING SHEET FOR ROUTINE INSPECTION (WAIN GIRDER/PYLON/GUARD BARRIER/GIRDER GANTRY/PYLON LIFT/PYLON LADDER/PYLON CONDOLA/CABLE GONDRAP (RAMA EX BRIDGE) DATE TO BE DONE COUNTERMEASURE WORKS NEEDED [C1:29] **STNEMEO** HOTE : [CI] : CODE TABLE ITEN NUMBER
DAMAGE ITEN-1 : DEFORMATION --- DEFORMATION OF PLATES OR FRAME
ITEN-2 : CRACKING---- CRACKING ON PLATES OR FRAME
ITEN-3 : DAMAGE-BOLTS---LOOSENING OR FALLING OUT OF BOLTS
ITEM-4 : DAMAGE-CORROS--- DAMAGE TO PAINT AND CORROSION
ITEM-5 : DEBRIS/FATER---ACCUNGLATION OF DEBRIS OR WATER
ITEM-6 : DISPLACEMENT--- DISPLACEMENT OR SETILEMENT .! .! NAME OF INSPECTOR DOCUMENTS NUMBER DAMAGE CONDITIONS TOTAL EVALU-ATION ŝ (TY/WW/DD). [CI:28] [CI:30] s DANAGE ITEN -2 3 INSPECTED NEWBER :_ INSPECTED DATE :_ **6**1 **WORK CLASS** ⊷⊣ UNIT KUMBER

A.036 Routine Inspection Coding Sheet for Steel Plates and Frame Members for Rama IX Bridge Section

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A.037 Routine Inspection Coding Sheet for Stay Cable for Rama IX Bridge Section

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A.038 Routine Inspection Coding Sheet for Pavement for Rama IX Bridge Section

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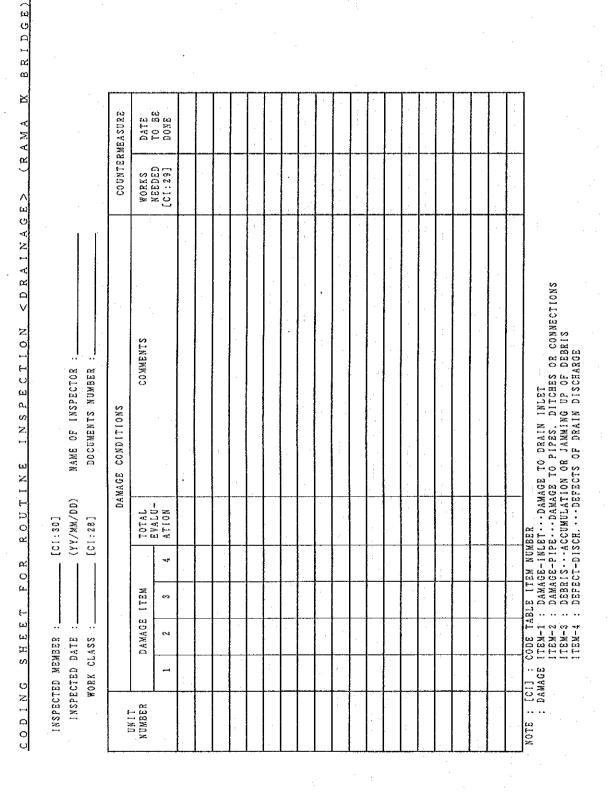
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A.039 Routine Inspection Coding Sheet for Piers for Rama IX Bridge Section



A.040 Routine Inspection Coding Sheet for Drainage for Rama IX Bridge Section

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A.041 Routine Inspection Coding Sheet for Bearings (for Pendel, Neo-pot, Wind) for Rama IX Bridge Section

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A.042 Routine Inspection Coding Sheet for Expansion Joints for Rama IX Bridge Section

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A.043 Routine Inspection Coding Sheet for Dampers (on Pylon, Girder, Cable) for Rama IX Bridge Section

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CODING SHEET FOR ROUTINE INSPECTION <PYLON DAMPER/GIRDER DAMPER/CABLE DAMPER> (RAMA IX

DATE TO BE DONE COUNTERMEASURE WORKS NEEDED [CI:29] CODE TABLE ITEM NUMBER ITEM-1 : CORROS-POLE···DAMAGE TO PAINT AND CORROSION OF POLE ITEM-2 : DEFORM-POLE···DEFORMATION OF POLE ITEM-3 : DISP-POLE···DISPLACEMENT OR LOOSENING/FALLING OUT OF BOLTS OF POLE ITEM-4 : LAMP BREAK···BURNING OUT/DECLINE IN LUMINOSITY OF LAMP ITEM-5 : DAMAGE-REFRECT···DAMAGE TO REFLECTOR COMMENTS . ., NAME OF INSPECTOR DOCUMENTS NUMBER DAMAGE CONDITIONS TOTAL EVALU-ATION (CC/WW/XX) [CI:28] ഹ 4 ITEM ŝ DAMAGE .! ... ~7 INSPECTED DATE WORK CLASS NOTE : [CI] : | : DAMAGE --UNIT NUMBER

Routine Inspection Coding Sheet for Lighting A.044 for Rama IX Bridge Section

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[C1:30] ... INSPECTED MEMBER

A.045 Repairs Coding Sheets for Superstructures for Land Section

(LAND SECTION)

SUPERSTRUCTURE >

CODING SHEET FOR REPAIR

[CI:27]

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A.046 Repairs Coding Sheet for Retaining Wall, Embankments and Drainage for Land Section

SECTION)

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DRAINAGE/ENBANKMENT/RETAINING

REPAIR

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CODING SHEET

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A.047 Repairs Coding Sheet for Guard Wall, Handrail, Guard Rail, Fence and Noise Barrier for Land Section

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REPAIRED NEMBER :

LAND SECTION RPAT CODING SHEET

[CI:27] REPAIRED MEMBER : ROUTE NUNSER :

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A.048 Repairs Coding Sheet for Piers for Land Section

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(LAND SECTION) JOINTS> **SEXPANSION** CODING SHEET FOR REPAIR

REPAIRED MEMBER : ROUTE NUMBER :

[C1:27]

A.049 Repairs Coding Sheet for Expansion Joints for Land Section

CODING SHEET FOR REPAIR <BEARINGS> (LAND SECTION)

REPAIRED MEMBER : (GI:27) ROUTE NUMBER :

DOCUMENTS NUMBER NAME OF ENGINEER CONVENTS NORK DURATION (days) 4 CONTRACT UNIT COSTS TOTAL COST (Bhat) (Bhat) COSTS QUANTITY REPAIR NETHOD [CI:35] NOTE : DATE : YY/MM/DD [C1] : CODE TABLE ITEN NUMBER : LUPPER : REPAIRED LOVER : INSPECTED -2 UPPER : NAME OF CONTRACTOR LOVER : CONTRACT NUMBER (I:I) LOCATION CODE 1 CHAINAGE l Ē ÷ VORK CLASS (CI:29) (CI:28) ÷ // 11 DATE 11 11 1.1 11 // / / 1 11 1.1 1.1 // 11

(LAND SECTION) < PAVEMENT> CODING SHEET FOR REPAIR

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Repairs Coding Sheet for Pavement for Land Section

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A.052 Repairs Coding Sheet for Lightings and Traffic Signs for Land Section

LONI

CODING SHEET FOR

(CI:27)

REPLIKED NENBER :

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[CI:30]	REPAIR	[CI:36]																				_			LE LEX N	4	: INSFECTED : NAME OF CONTRACTOR : CONTRACT NUMBER	
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REPAIRED NEMBER :	1* MORK 1*	(CT:29) (CT:28)																				[: DATE : : [CI] :	*1 UPPER	LOWER : L : *2 UPPER : N LOWER : C	
REPA	*1 DATE		/ /	1.10	. / /	/ /	/ /	/ /	~		/ /	/ /			/ /			/ /		/ /	/ /		/ /		NOTE ::	••	••	

A.053 Repairs Coding Sheet for General (except for Pavement) for Rama IX Bridge Section

OTHER MEMBERS> (RAMA IX BRIDGE) CODING SHEET FOR REPAIR <ALL

Diff Operation Ope	КЕР	REPAINED MEMBER :		[C1:30]	(0)								
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Bar Bar <th></th> <th>(C1:28) (C1:28)</th> <th>ИСТРЕИ</th> <th>ALIQUE'N.</th> <th></th> <th></th> <th>UNIT COS (Bhat)</th> <th>TS TOTAL COST (Bhat)</th> <th></th> <th>. (days)</th> <th></th> <th></th> <th>• . ·</th>		(C1:28) (C1:28)	ИСТРЕИ	ALIQUE'N.			UNIT COS (Bhat)	TS TOTAL COST (Bhat)		. (days)			• . ·
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Lueran Anala vertakajuk		· 030011 0+											
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Repairs Coding Sheet for Pavement A.054 for Rama IX Bridge Section

CODING SHEET FOR REPAIR <PAVEMENT>(RAMA IN BRIDGE)

INVENTORY
SUPERSTRUCTURE

ROUTE : XXXXX DIRECTION OF TRAFFIC : X

MAIN ROAD / RANP : XXXXXXXXXXXXXXXXXXXXXXXXXX

DATE OF COMPLETION : YY/MM

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A.055 Superstructure Inventory

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838339.983 XXX	XXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6	333, 333	XXXXXXXXXXXXXXXXXXXXXXX
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PIER INVENTORY

ROUTE : XXXXX DIRECTION OF TRAFFIC : X

MAIN ROAD / RAMP : XXXXXXXXXXXXXXXXXXXXXXXXXXXX NAMP OF CONSTRUCTOR A.056

Pier Inventory

NAME OF		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		•	· · ·	
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66666	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XY/MM	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
99999	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	YY/MM	999. 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	.
66666	66666666666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	YY/MM	939, 939	XXXXXXXXXXXXXXXXXXXXXXXX	
66666	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	YY/WM	339, 339	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
66666	999999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	YY/MM	999. 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
99999	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	MM/YY	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
66666	999999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	YY/WM	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXX	
66666	66666666	<u>ΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧΧ</u>	MM/YY	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
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66666	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	WW/XX	999.999	XXXXXXXXXXXXXXXXXXXXXXXX	

A.057 Expansion Joints Inventory

A-85

INVENTORY

EXPANSION JOINTS

ROUTE : XXXXX

DIRECTION OF TRAFFIC : X

BEARINGS INVENTORY

ROUTE : XXXXX

DATE OF COMPLETION : YY/MM

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	NUMBER OF BEARING	66	66	66 .	66	66	66	66	66	56	66	66	66	66	66	66	66
BEARING DATA	TYPE OF BEARING	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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	NUMBER	66666	56565	66666	66666	66666	66666	66666	66656	66665	66666	66556	99999	39539	99999	66666	56666

A.058 Bearings Inventory

EMBANKMENT INVENTORY

ROUTE : XXXXX DIRECTION OF TRAFFIC : X DATE OF COMPLETION : YY /WW

LNBANAMEN!	ŀ			ATTACHED FACILITY	Y		CUI	CULVERT			
TYPE OF BANK		HIGHT OF Retaining Wall (m)	+2 TYPE 0F GUARD #ALL	TYPE OF DRAIN SYSTEM	TYPE OF INLET	NUMBER OF Inlet	CROSS SECTION TYPE	WEDTH (a)	HEIGHT (=)	LENGTH	DOCUMENTS NUMBER
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	66	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	339.9	389. 9	5 665	XXXXXXXXXXXXXXXXXXXXXXXXX
			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			4-2-22-2-	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999. 9	863.9	999.9	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		565 °556	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	65	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	399. 9	9 99. 9	339.5	XXXXX XXXXXXXX X7.XXXXX
			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	399. 3	999. \$	9 99, 9	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		566 '656	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	56	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6.665	353. <u>9</u>	999. 9	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6.998.9	5 · 5 6 5	959.9	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	66	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	339.9	999.9	333.9	XXXXXXXXXXXXXXXXXXXXXXX
			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	993.9	999.9	838.9	·
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			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999.9	333, 9	939, 9	
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			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			I	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6 .966	939.9	6 .66 5	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		999. 599	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	66	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	939.9	5 .655	6 666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			· .	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	353. 9	539.9	399.9	

A.059 Embankment Inventory

RALLING INVENTORY

ROUTE : XXXXX DIRECTION OF TRAFFIC : X MAIN ROAD / RAMP : XXXXXXXXXXXXXXXXXXXXXX

DATE OF COMPLETION : YY/MM

Railing Inventory A.060

DATE 0	DATE OF COMPLETION : YY/AM	YY/MM						
NUMBER	CHA	CHA INAGE	LOCATION OF FENCE	GUARD F	FENCE DATA			
	START (m)	END (m)		OBJECT OF INSTALLATION	TYPE OF FENCE	HIGHT OF I	LENGTH OF FENCE (m)	LOCUMENTS NUMBER
66666	999999, 999	999999, 599	<u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	666 666	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	999999. 899	999999, 599	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	999, 999	999, 999	XXXXXXXXXXXXXXXXXXXXXXX
56665	6666666 6666666	999959, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999, 999	939, 939	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	999999.999	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	883° 889	666 -666 666 - 666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	999999, 999	999959, 999	<u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	666, 6 66	839, <u>5</u> 99	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	992999, 999	999999.999	<u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	666°,666	999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	6666666	656 666666	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	666, 666 -	666, 666	XXXXXXXXXXXXXXXXXXX
66666	939999, 959	858939, 959	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999, 9 <u>9</u> 9	999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	666666	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	666, 666	666 666	XXXXXXXXXXXXXXXXXXXXXXXX
66666	999999, 999	888899, 999	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	666.666	385° 385	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	995699, 999	666 668 668	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999, 999	888° 888	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	66666666	6666666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	959, 999	666 666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	6666666	<u> 999999, 999</u>	XXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	999, 999	959, 959	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	666666666	666-666666 666-6666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	888° 888	66 0 , 969	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
99999	66666666	666 66666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	666, 666	666, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	565666 566	995599. 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	666-656	66.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	959929. 999	566666° 666	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999, 996	666 666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	66666666	£99999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999. 999	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66566	999999, 999	59999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999, 599	888, 889	XXXXXXXXXXXXXXXXXXXXXX
63566	8666666 8666666	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXX	999, 999	999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	999999.995	6666666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	999. <u>9</u> 99	999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66663	999999, 399	6666666	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	999.999	999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	999999.999	999999, 999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	999, 999	999.999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66666	999999.999	999999, 999	<u> XXXXXXXXXXXXXXXXXXXXXXX</u>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	888. 888 8	999, 999	XXXXXXXXXXXXXXXXXXXXXX

FENCE INVENTORY

ROUTE : XXXXX

A.061 Fence Inventory

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			DOCUMENTS	• •		AAAAAAAAAAAAAAAAAAAAAAAAAAA					*******		:	:				YYYYYYYYYYYYYYYYYYYYYYYYYYYYY					***************	ANAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMA		•		-	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	WWWWWWWWWWWWWWW				
		ко.	OF LANE	KARX LINE		2					er	•					•	л.,			•			3					.4	,		• :		
			CHANGED DATE	(WR/XX)	MW/XX	ИК/АА	ИК/АЛ	YY/NM WN/XX	YY/HK	NH/A.	YY/WH	MW/XX-	XX/WR	WW/XX	YY/WM	XX/MH	XX/XX	XX/XX	· XX/WW·	WW/XX	XY/WW	WW/XX	₩₩/ХХ	XK/XK	YY/WK	YY/WH	¥ж/уγ	YY/WH	нн/уу	YY/WW	YY/WW	YY/WH	M/X/	KK/WW
		-	TYPE OF PAVEMENT	(CURRENT)	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX		•		XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	÷	XXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXX	XXXXXXXX	XXXXXXXX
	DATA					1.1			_	1	_		_			<u>.</u>				_						_				_			- 1	
	PAVEMENT DATA	REA (m')		BY LANE	Ŀ	9399.93	-	-	-	_			9399.99	9999.99	9899.99			-	85 5555		9999.99	·		-	9399.99	9359 99	55.555		·	9919.39	9993.99	9999.99	┥	9999.99
		PAVENENT AREA (m			SHOULDER	LANE 2	LANE 3	LANE - 4		LANE 6	-	LANE 2	LAME 3	LAHE	LANE 5	LANE 6	SHOULDER	LANE 2	LANE 3	LANE 4	LANE 5	LANE 6	SHOULDER	LANE 2	LANE 3	LANE	LANE 5	LANE 6	SHOULDER	LAKE 2	LANE 3	LANE 4		LANE 6
		đ		TOTAL	00000						9999,99	;					0000						55 5555		•				3999,95					
		HLGIM	. 4	È è	900 009						999, 999						944 444				;		599.959						999,999					
		PAVENENT WIDTH		SIAKI (a)	000 000						999, 999						999, 999						889, 888						888° 939		<u></u>			
		ut n m tu		र भ भ	999 989						939.939						999, 999			· · ·			999, 999						999.999					
				2549271 (m)	699.999						90 9 , 999					-	999, 999						8 93, 9 99						389, 999					
	•			LANE						┨	с, ф																	-	6) 69					-
	COMMON DIMENSIONS		ROAD-BED		*****						XXXXXXXXXXXXXXXXXXXXXXXXX		:				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
	·	24 20V 1	CROSS SECTION		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						999999.999 XXXXXXXXXXXXXXXXXXXXXXXXXXXX						XXXXXXXXXXXXXXXXXXXXXXX						XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	-				
MM/YY : NOI		CHAINAGE	27	(a)	999999.999						665 666666												999999, 999		_				999199. 999					
DATE OF COMPLETION :		CHAE	61.67	11171C	856,856666		-				999999, 999						999989.998						556565 6565						993299, 939					
DATE		NUMBER			66866						66666						68686						66666						66666					

A.062 Pavement Inventory

PAVEMENT INVENTORY

ROUTE : XXXXX DIRECTION OF TRAFFIC : X

		SWITCH UUCUNENTS NUMBER	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
		AVERAGE LUMINUS SW INT'TY GRU	XXXX 66555	XXXX 55556	XXXX 66666	XXXX 55556	XXXX 55556	XXXX 56668	XXXX 55555	XXXX 55555	XXXX 56666	XXXXX -56666	XXXX 58656	XXXXX 58665	XXXX 56555	XXXX 55555	XXXX 62665	XXXX 66555	XXXXX 66555	XXXX 55555	XXXXX 65555	CXXXX 55555	CXXXX 66555	33333 XXXX
· ·		ELECTRIC CONSUMPTION (watt/hour)	56655	66566	56565	56566	55555	65565	65666	55565	55555	33333	66085	66556	66866	56665	66666	66655	66665	\$5666	65666	66666	65656	56655
	LAMP DATA	NUMBER OF LAMPS	- 6	6	6.	8	6 -	3	6	6	6	8	6	6	6	6	. 6	6	6 -	6	5	6	01	o,
		TYPE OF LAMP	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
•		NAME OF MAKER	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX
	POLE DATA	TYPE OF POLE	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX
		LOCATION OF POLE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	98999 959959, 959 XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999999.999 XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	BS9955, 999 XXXXXXXXXXX XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	15999 999999, 999 XXXXXXXXXXXXXXXXXXXXXXX	19999 199992. 944 XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	BSBSS. 999 XXXXXXXXX XXXXXXXX 25955	959959.999 XXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	959-959 959 XXXXXXXXXXXXXXXXXXXXXXXXXXXX	999999, 999 XXXXXXXXX XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999999, 999 XXXXXXXXXX XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
имлүү ко	3104	NUMBER	XXXXXXXXX		XXXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
DATE OF COMPLETION : YY/MM	CHA LNAGE	(1)	969399.998	999999, 999	939959, 959	999999, 989		\$9\$999.993	999995, 999	959955, 959	939933, 959	9999 53, 999	939955, 999	9999 95, 959	556 - S56556	399953, 999	959955, 999	969959, 999	666 655656	999959. 999		999999. 999	999999, 999	656 656856
DATE	NUMBER		66666	66656	66556	\$9888	99999	66566	55665	99599	65656	66856	66656	95999	66556	65656	66656	65556	66886	56556	66565	99999	56656	99999

LIGHTING INVENTORY

ROUTE : XXXXX DIRECTION OF TRAFFIC : X A.063 Lighting Inventory

		DOCUMENTS	NUMBER	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXX		:		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXX		· ·	
		NO. 0F	LAMPS	56	66	66	66	66	66	66	66	66	66	66	- 66	56	56	- 66	6 6	66	66 ·	66	66	66	66	66	56	66	66	66	66	66	66	66	66
	LIGHTS	TYPE OF LAMP		AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		••••		3353555555555555555555555555			. :	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				6666888888888888888888888				235335555555555555555555	AAAAAAAAAAAAAAAAAAAAAAAAA			85656555555555555555555555555555555555				<u> </u>			:	5666888888888888888888888			
			CONTENTS	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX + XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXXXXXXX	f	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	_	_	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	-	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXX
	SIGN DATA	SIGN	TYPE OF SIGN	t		ł~	÷	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
		NUMBER	OF SIGNS No	99 A		<u>.</u>	-	99 V	B	.	-	99° A	80	\$	0	93 V	~ 2	ບ	0	89 A	R	5	9	99 A	-	U U	a	96 V	ŝ	U	d -	99 V	8		<u> </u>
		IGK	SYSTEM OF	<u> </u>				<u>}</u>			· · ·	<u> </u>		1		<u>}</u>				<u>}</u>				\				<u>}</u>				<u>}</u>			
	DATA	TYPE OF POLE		XXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXX		-		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXX			_	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		<u> </u>	_	XXXXXXXXXXXXXXXXXXXXXXXX			
	3104	LOCATION OF POLE		XXXXXXXXXXXXXXXXXXXXXXX				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		-		XXXXXXXXXXXXXXXXXXXXXXX				*****************				999699.999 XXXXXXXXXXX XXXXXXXXXXXXXXXXX				539353. 339 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				SSSSSS SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
NX/YY : NO		2104	NUMBER	XXXXXXXXXX				XXXXXXXXXXX				XXXXXXXXXXX				XXXXXXXXXXX				XXXXXXXXXXX				XXXXXXXXXXX				XXXXXXXXXXX				XXXXXXXXXXX			
DATE OF COMPLETION :		CHAINAGE	(a)	666 666665				6665 . 568 66				665 666666				6566666 656				999999.995	•			539339. 339								9999933. 999			
DATE		NUXBER		66665				65665				66665				86565				66666				62666				66666			- 1	65666		•	

TRAFFIC SIGN INVENTORY

ROUTE : XXXXX DIRECTION OF TRAFFIC : X

MALN ROAD / RAMP : XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Traffic Sign Inventory A.064

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ROUTE : XXXXX

DIRECTION OF TRAFFIC :

XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX DOCUMENTS NUMBER XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX TYPE OF BARRIER PANEL LENGTH OF BARRIER (m) 666, 666 999, 999 999.959 999, 999' 999.999 999, 999 999.999 999.999 999, 999 999, 999 999.999 999, 999 . 999, 999 999.999 999, 999 999, 999 999.999 999. 999 999.999 999.999 999, 999 999, 999 NOISE BARRIER HICHT OF BARRIER (m) 999, 999 999, 999 999,999 999.999 999.999 999, 999 999.999 999, 999 999.999 999.999 999.999 999.999 995.999 999, 999 999, 999 999.999 999.999 999.999 999, 999 999, 999 999.999 999.999 XXXXXXXXXXXXXXXXXXXXXX OBJECT OF PROTECTION XXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXX LOCATION OF BARRIER 999999, 999 999999,999 999999, 999 999999.9999 999999, 999 999999,999 999599. 999 999999.999 959999, 999 999999.9999 999959.959 999999, 999 999999.9999 999999, 999 999999.999 9999999, 999 999999.999 999999, 993 999999.9999 999999, 959 599999, 969 999999, 999 Ê ΜΚ/ λλ END CHA I NAGE DATE OF COMPLETION : 999699, 999 999999,999 999999.999 999999, 999 999599,999 999999.399 999599.999 9999999.999 999999,999 999999.999 666 666666 999999, 999 999999,999 999559, 999 999999,955 995999, 599 9999999. 999 999999, 999 959999, 995 999999, 999 999999, 999 999999.999 (H START 99999 99995 99999 99999 99999 99999 66666 69999 99999 99999 55666 99999 66666 99999 66666 666666 99999 99999 99999 999999 99999 66666 NUMBER

A.065 Noise Barrier Inventory

A.066 Member List for Rama IX Bridge

MEMBER LIST FOR RAMA IX BRIDGE

MEMBER NEM	BER CODE	LANE NUMBER	UNIT NUMBER	START CHAINAGE
XXXXXXXXXXXXXXXXXXXXXXXXX	9999999	X	999999	999999
****	999999	X	9999999	999999
****	999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXX	9999999	X	999999	999999
****	9999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXX	9999999	Х	999999	999999
<u> </u>	9999999	X	9999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	9999999	Х	999999	999999
***	9999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXX	9999999	X	999999	999999
****	9999999	X	999999	999999
****	999999	Х	999999	999999
<u> </u>	9999999	Х	999999	999999
****	9999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXXX	999999	Х	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXXXX	999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999999	X	999999	999999
****	999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXXX	999999	X	999999	999999
****	9999999	X	999999	999999
XXXXXXXXXXXXXXXXXXXXXXXXXX	999999	X	999999	999999
****	9999999	X	999999	999999
****	999999	X	999999	999999
****	999999	Х	999999	999999
****	999999	X	999999	999999
****	999999	X	999999	999999
****	999999	Х	999999	999999
*****	999999	Х	999999	999999
****	999999	Х	999999	999999
*****	999999	Х	999999	999999
****	999999	X	9999999	999999
*****	999999	X	999999	999999

				[*	·	LANE NUMBER	DAMAGE MEMBER			•		COMMENT ON DAMAGE		
NUMBER	ROUTE	DIRECTION	MAIN ROAD / RAMP	CHAINAGE (m)	LOCATION CODE 2	POLE NUMBER	DAMEGE ITEM	RATING	PHOTO. NUMBER	WORKS NEEDED	DATE TO BE DONE	COMMENTS ON REPAIR	PERSON IN CHARGE	REPAIRED DATE
ю	5	đ	20	B	20	11	20	8	9	20	. 80	20	10	8
				80		11	20 x 2					20.		
56666				666656				×	XXXXX		GQ/WW/XX		XXXXXXXXXX	GC/WW/AA
				666566								-	:	
66666				666666	·			×	XXXXX		QQ∕₩X∕XĂ		XXXXXXXXXX	00∕₩W/XX
				665556										
66566				565556				X	XXXXX		aa∕ww∕aa		XXXXXXXXXX	DO/WWV/YY
				666666							•••			
66556			•	665666				X	XXXXX		dd/₩X/YY		XXXXXXXXXX	GC/WWV/XX
				665566										
65365	-			666566				×	XXXXX		QQ∕WK∕XX		GG/WW/AA XXXXXXXXXXX	QQ∕YWV∕XX
				665556										
68566				666566				×	XXXXX		OC/WW/XX		XXXXXXXXXX	DO/WW/XX
				665566										
65665				665666				×	XXXXX		DD/MR/YY		XXXXXXXXXX	GQ/WW/XX
				699999										

DAILY INSPECTION REPORT (LAND SECTION)

INSPECTED DATE : YY/MM/DD NAME OF INSPECTOR : XXXXXXXXXX

RIORITY MEMBER : XXXXXXXXXXXXXXXXXXXXXXXXXXX

A.067

Daily Inspection Report for Land Section

REMARK : *1 UPPER : START LOWER : END

A.068

Daily Inspection Report for Rama IX Bridge Section

ad/ww/yy DC/WW/XX CIC/WW/AA REPAIRED DC/WW/XX da/ww/ax DD/MM/YY DO/WW/AA UC/MM/YY OC/WV/YY DO/WW/AA DC/WW/XX œ XXXXXXXXXX XXXXXXXXXX XXXXXXXXXXX XXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX PERSON IN CHARGE 3 ĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ COMMENTS ON REPAIR COMMENTS ON DAMAGE 40 40 DOL/MAR/YY DOWWVAA DC/WW/AA GO/WW/XX DD/WW/XX DO/WW/LJ **GG/WW/X** DO/MM/YY αα/₩₩/λλ DC/WW/YY **GG/WW/XX** DATE DONE DONE ~ NEEDED 30 WORKS N RINGER XXXXX XXXXX XXXXX XXXXX ХХХХХ ΧΧΧΧΧ ΧΧΧΧΧ XXXXX XXXXX ХХХХХ XXXXX ç RATING ŝ × ≻ × ≈ × ∝ ≈ \times × \sim × DAMAGE 20 X 2 NGE NGE 4 × ∝ ≻ ≻ × × ≻ ⊬ ≻ ≻ × XXXXXXXXXX NUMBER XXXXXX ം VAME OF INSPECTOR : • • DAMAGE MEMBER PRIORITY MEMBER X 2 30 NUMBER 99999 66666 99999 66666 63666 66666 66666 86666 99999 66666 66666 œ

BRIDGE)

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(RAMA

INSPECTION REPORT

DAILY

INSPECTED DATE : YY/MM/DD

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ROUTINE INSPECTION REPORT (LAND SECTION)

INSPECTED DATE : YY/MM/DD

INSPECTED MEMBER : SUPERSTRUCTURE RETAINIG WALL) ROUTE : XXXXX

A.069

Routine Inspection Report for Superstructure and Retaining Wall for Land Section

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IN. DIRECT	NIIVBER			666666	666666	666666	666666	666666	666666	656665	666666	666666	686666	666666	666666	666666	999999	866666	666666	666666	666666	666666	666666	NOTE :

ROUTINE INSPECTION REPORT (LAND SECTION)

A-98

A.070 Routine Inspection Report for Guard Wall for Land Section

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ROUTINE INSPECTION REPORT (LAND SECTION)

INSPECTED DATE : YY/MM/DD

INSPECTED MEMBER : DRAINAGE

A.071 Routine Inspection Report for Drainage for Land Section

MAL	N ROAD /-1	RAMP : XXXXX	MAIN ROAD / RAMP : XXXXXXXXXXXXXXXXXXXXXXX	XX		DOCUMENT NO.		: XXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXX			
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			CRACKING ··· SPALLING AN	G AND CO	ROS I	D CORROSION OF REINFORCING BAR	REINFOR	DNIC	BAR				
	171	TEM-4 : CAVITI TEM-5 : DISPLA	CAVITIES CAVITIES DISPLACEMENT DISPLAC	S PLACEMEN	T OR :	EMENT OR SETTLEMENT	ABNT						

(LAND SECTION) ROUTINE INSPECTION REPORT

INSPECTED MEMBER : PIER ROUTE : XXXXX DIRECTION OF TRAFFIC : X

WORK CLASS : XXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTED DATE : YY/MM/DD

NAME OF INSPECTOR : XXXXXXXXXXXXXXXXXXXXXX

A.072 Routine Inspection Report for Pier for Land Section

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A.073 Routine Inspection Report for Expansion Joints for Land Section

SECTION)

(LAND

ROUTINE INSPECTION REPORT

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DIRECTIO	DIRECTION OF TRAFFIC MAIN ROAD / RAMP		X X X X X X	: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X X X X X	N A	NAME OF INSPECTO DOCUMENT NO	TOR : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	• • •		
000							DAMAGE	GE CONDITIONS	COUNTERMESURES	SURES	
NUMBER	CHAINAGE	TION .		DAMAGE	GE ITEM	3	TOTAL	COMMENTS	WORKS NEEDED	DATE	REPAIRED
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NOTE ; I	; DAMAGE [TEM-1 TEM-2		408-BE 468-BE	DAMAGE-BEARING.	HAGE TO	E TO BEAR	BER OR BED	STEEL BEARING ELEMENTS			
	LTEM-3	•••	10E-B0	LTS	DAMAGE	TO AN	CHOR BOLTS	-			
	LTEM-4		P I S	DEBRIS ··· ACCUMULA	LATION	OF DE	OF DEBRIS AROUND E	BEARINGS			

(LAND SECTION) INSPECTION REPORT ROUTINE

> INSPECTED MEMBER : BEARINGS ROUTE : XXXXX

WORK CLASS : XXXXXXXXXXXXXXXXXXXXXXX INSPECTED DATE : YY/MM/DD

A-102

A.074

Routine Inspection Report for Bearings for Land Section

ITEM-4 : DEBRIS ... ACCUMULATION OF DEBRIS AROUND BEARINGS

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	SURES	DATE	DONE	WW/XX	WW/XX	WW/YY	WW/YY	WK/YY	YY/WM	YY/WW	WW/XX	YY/WW	WH/AA	WW/YY	WW/YY	WW/YY	WW/AA	WW/YY	WW/YY	WW/AA	WW/ AA	WW/YY	¥¥∕₩W	
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NAME			4	×	×	×	X	×	×	×	X	X	, ×	X	×	×	X	×	Ϋ́	×	×	×	×	AVING AT OF BANK TO MASON MENT OR S
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A.075 Routine Inspection Report for Embankment for Land Section

INSPECTED DATE : YY/MM/DD

INSPECTED MEMBER : EMBANKMENT

A-103

04.1	PECIED MEM.	INSPECIEU MEMBER : FAYEMENT				•	HOM .	WORK CLASS	• •	************	XXXXXX					
DIRFCT	NURPETION OF TRAFFIC					NAME		OF INSPECTOR		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX		-			
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										DAMAGE	DAMAGE CONDITIONS		COUNTERMESURES	URES		
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	11.5	TPM-3 - DISP	VIDT I UN	· • • D1 S	DISRUPTION DISRUPTION OF		A VENEN	PAVEMENT POT HOLES.		FOLIATIO	Ň					

(LAND SECTION) ROUTINE INSPECTION REPORT

INSPECTED DATE : YY/MM/DD

INSPECTED MEMBER : PAVEMENT **** DULLE

A-104

A.076 Routine Inspection Report for Pavement for Land Section

ITEM-3: DISRUPTION...DISRUPTION OF PAVEMENT. POT HOLES. EXFOLIATION ITEM-4: ABRASION...ABRASION OF PAVEMENT. SCALING ITEM-5: DAMAGE-MARK...DETERIORATION OF LANE MARKING PAINTS

	RO	••					WORK CLASS		XXXXXXXXXXXXXXXXXXX ******************			
DIRECTI	DIRECTION OF TRAFFIC MAIN ROAD / RAMP	CTION OF TRAFFIC : X Main Road / Ramp : XXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	ХХХХ	NAME		OF INSPECTOR DOCUMENT NO.		DF INSFECTOR : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			-
Jugantin								DAMAGE CI	CONDITIONS	COUNTERMESURES	SURES	
NJOWUN	CAAIWAUD	CODE 2		DA)	DAMAGE I	ITEM		TOTAL	COMMENTS	WORKS NEEDED	DATE	REPAIRED
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NOTE :	DAMAGE 173 173 178 178 178	ITEM-1 : CORROS-POLEDAMA ITEM-2 : DEFORM-POLEDEFO ITEM-2 : DISP-POLEDEFO ITEM-3 : DISP-POLEDEFORLA ITEM-4 : LAMP BREAKBURNI ITEM-5 : DAMARE-BREAKETTD	.EDE .EDE BUR BUR	MAGE T SFORMAT "LACEME NING O	GE TO PAINT AND RMATION OF POLE CEMENT OR LOOSEI NG OUT/DECLINE AMAGE TO REFLEC	GE TO PAINT AND CO RMATION OF POLE CEMENT OR LOOSEMIN NG OUT/DECLIME IN AMAGE TO REFLECTOR	CORROS ING/FAI N LUMII OR	CORROSION OF POLE ING/FALLING CUT OF N LUMINOSITY OF LA OR	GE TO PAINT AND CORROSION OF POLE RMATION OF POLE CEMENT OR LOOSEMING/FALLING OUT OF BOLTS OF POLE NG OUT/DECLIME IN LUMINOSITY OF LAMP AMOGE TO REFLECTOR			
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A.077 Routine Inspection Report for Lighting for Land Section

INSPECTED DATE : YY/MM/DD

INSPECTED MEMBER LIGHTINGS

A-105

ROUTINE INSPECTION REPORT (LAND SECTION)		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ROUTINE INSPEC	INSPECTED DATE : YY/MM/DD	WORK CLASS : XXXXXXXXXXXXXXXXXXXXXXXXXXX	MAME OF INSPECTOR : XXXXXXXXXXXXXXXXXXXXX
	INSPECTED MEMBER : TRAFFIC SIGN	ROUTE : XXXXX	DIRECTION OF TRAFFIC : X

WORK CLASS : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	WORK CLASS MAME OF INSPECTOR DOCUMENT NO.
: YY/MM/DD	INSPECTED DATE : YY/MM/DD WORK CLASS - YYXXXXX

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		Ш	5	X	×	×	X	X	X	×	Х	×	×	×	×	~	X	×	х	X	X	ION OF
DOCUMENT NO.		DAMAGE ITEM	4	×	×	×	×	×	×	×	~	~	×	×	×	×	×	×	х	Х	Х	CORROSION OF
pocu		DAI	3	×	X	X	×	X	×	X	×	×	×	X	×	X	X	X	X	Х	X	AND
MAIN ROAD / RAMP : XXXXXXXXXXXXXXXXXXXXXXXX			2	X	×	×	X	×	х	Х	×	X	×	×	×	X	Х	×	×	Х	χ·	0
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N ROAD / R		5	Се	856666	666666	335535	666666	666666	666666	666666	666666	666666	666666	666666	656666	666666	666666	888888	666666	555556	999999	DAMAGE ITEN ITEN
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DISP-POLE-..DISPLACEMENT OR LOOSENING/FALLING OUT OF BOLTS
 VISUAL DEFECT...DETERIORATION OF VISIBLLITY OF SIGNBOARDS
 DAMAGE-PANSL...DAMAGE TO PANEL/ATTACHNENT OF SIGHBOARDS
 LAMP BREAK...BURNING OUT/DECLINE OF LUMINOSITY OF LAMP
 DAMAGE-REFLECT...DAMAGE TO REFLECTOR

ITEM-3 ITEM-4 ITEM-5 ITEM-5 ITEM-7 ITEM-7

Routine Inspection Report for Traffic Sign A:078 for Land Section