Inspection sheet of visual survey

Bridge No. 11 Photo No. (~~ Code of authorit BMA Route name RAMA VIII Bridge Bridge name No. Authorit from Khat Bang Phlat 0 from km+ Place Survey date 23-0ct-2009 Distanc Khet Phra Nakhon km+ 0 to to Bridge type(1) main road side road . ramp Camber deform ves · no ltem Type State Difference in glade Bridge type(2) bridge viaduct plank pass ves no Main girde Composite I girder Bridge type(3) 4-span composite 2 I girder cable stayed bridge ontinuous of barrie section steel Cross bear yes • no oropert i Total length 475.00 (m) Continuous of curve Stringer ves • no 75 + 50 + 50 + 300 (m) Noise Span ves · no Cross fram result dop Nos. of span Space change ves no 4 span Lateral brac oint Ľ. difference grade yes 29.20 (m) / (cannot see from outside due to decorative plate) Width (m) Slab no damage Survey Completion 2002 draining damage no Abutment ves Blocked drainage Rectangular Free lime at cross beam ves · no ę Pier Ą Out line Straight Crack of pavement no Horizontal \cdot incli(= 2 %) Curve (R ves Bearing Slide bearing m) 138 <u>o</u> parabol (凸 凹 Gradient Damage of lighting yes . Steel Generally healthy One way ()) no Barrier informat Nearby tunnel Damage of sign Steel Generally healthy no m) Railing yes Nearby crossing Damage of handrail ves · no ves • no (ramp way Curb asphalt · concrete Pot hole Possibility of scourves • no Traffic Much Medium • Little Pavement Road Commercial traffi Much • Medium Little Walkway yes • no drained undrained Joint Vehicle yes • no Drainage ves · no ron 2.Suburbs 3.Mountain 4.Seaside 1.Urban way 5. Industrial 6.Harbor 7.Residential 8.Bussiness Envir 9.Salty 10.Cold and snow 11.Heavy snow 12.0thers nspect ion i d 1.Shinkansen 2.Railway 3.Highway 4.Road þ 5.River 6.Lake 7.Ravine 8.Valley mpressions Unde r 9.Waterway 10.Parking 11.Bike parkin 12.Park 13.Vacant 14.Harbor Name (Chao Phrava 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Superstructure 6.0n boat 7.Special camera 8.Others(Inspection vehicle) about 10m Height of girde nethod 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Deterioration of bridge Substructure 6.0n boat 7.Special camera 8.Others(Inspection vehicle) deficient · fair · good nosis · Center span section is on the water Noticeable point istory of repair agn · If inspection car is not available, false work ·Leakage form cable Repaint; Reason - yy - mm will be required ū Mr,Chujo, Mr.Kudo Surveyor ;

Append

| Prese | nt state (' | / 8) | | | |
|-----------|--------------|---------|---------|------|-----------|
| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No. | 1 |
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| and the second | Span | 1 |
| the second se | Member | Side view |
| and the second | | |
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| and the second sec | *0 | |
| | *Survey on | board, 31-oct |
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| | Dicture Ma | 0 |
| | Picture No. Span | 2 |
| - Martine - | Member | View on road |
| | Member | |
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| | Picture No. | 3 |
| | Span Mombor | 1 View under bridge |
| | Member | View under bridge |
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| Present state (2/8) | | | | | |
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| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No. | 4 |
|--|-------------|-----------------|
| | Span | 1 |
| | Member | Pylon |
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| | *Survey on | board, 31-oct |
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| | | |
| | Picture No. | 5 |
| | Span | 1 |
| | Member | Expansion joint |
| | Modular typ | Δ |
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| RE CONTRACTOR OF THE OWNER OWNER OF THE OWNER OF | | |
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| | Picture No. | 6 |
| | Span | 1 |
| | Member | Expansion joint |
| 0.0 | | |
| | Lack of bol | t |
| | Soil dump | |
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| 1/2 all a leave to be | | |
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| Present state (3/8) | | | | | |
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| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No. | 7 |
|---------------------|---------------------|-------------------------|
| | Span | 1 |
| | Member | View of cable |
| | | |
| | Helical typ | e wind resistance |
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| | Diatura Na | 0 |
| | Picture No. Span | 8 |
| | Member | Cable |
| | | 04010 |
| | Leakage fro | om cable |
| A A | | |
| and the second from | | |
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| | Picture No. | 9 |
| | Span Mamba r | 1 Cabla |
| | Member | Cable |
| | Leakage fro | m cable |
| | Leakaye ITC | |
| | Opening und | ler side of cable cover |
| | for drainag | le |
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| Present state (4/8) | | | | | |
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| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No | 10 |
|--|------------|-------------------------|
| | Span | 1 |
| | Member | Lable fixing structure |
| | | vante Traing Structure |
| | Gap and ca | lking between cable and |
| | | mounted up around cable |
| | | remaining water. |
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| State of the second | | |
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| | Picture No | . 11 |
| | Span | 1 |
| | Member | Cable fixing structure |
| | | |
| | slab. And | mounted up around cable |
| | to prevent | remaining water. |
| | | 5 |
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| No. of the second se | Picture No | . 12 |
| the state of the second | Span | 1 |
| | Member | Cable fixing structure |
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| tablets and the second s | Calking an | d name plate of cable |
| | | |
| | well maint | ained but aging |
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| A CAR IN A REAL PROPERTY AND A REAL PROPERTY A | | |
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| A DESCRIPTION OF THE OWNER OF THE | | |
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| Present state (5/8) | | | | | |
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| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No. | 7 |
|--|----------------|------------------------|
| | Span | 1 |
| | Member S | Side span and approach |
| | | |
| | side span is | s 3+2 lane for ramp wa |
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| | Picture No. | 8 |
| | Span | 1 |
| | Member | Anchorage |
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| and the second sec | | |
| and the property of the second s | | |
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| The second s | | |
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| | Picture No. | 9 |
| | Span Member | 1 Newe I |
| 日日日本 | Member | Newer |
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| thority BMA RAMA VII | Address | Bangkok | Data | 23-0ct-09 |
|-------------------------|---------|---------|---------------------------------|-----------------------|
| | | P | Picture No. | 10 |
| | | 10 1 #2 | Span Member | 1 Pavement |
| | (A A | F | Pot-hole | |
| | | - | | |
| | | | | |
| | | P | Picture No. Span | 11 |
| | | | Member | Drainage |
| | | | Span Member | 1 Cross beam |
| - 10-1- | The se | | eakage and sm concrete surfa | all fructure of ce |
| | | | | |

| Present state (7/8) | | | | | |
|---------------------|-----------|---------|---------|------|-----------|
| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No. | 7 |
|--|----------------|---------------------|
| | Span | 1 |
| | Member | Barrier |
| and the second se | | Barrior |
| | Lack of bolt c | сар |
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| | Picture No. | 8 |
| | Span | 1 |
| | Member Ha | nd rail of walkway |
| THE REAL PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDR | | · · · |
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| | Picture No. | 9 |
| | Span | 1 |
| | Member Cat | ble fixing of pylon |
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| NA CONTINUE | | |
| SATE TIME | | |
| FATTLE | | |
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| the second second | | |
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| Preser | nt state (| 8/8) | | | |
|-----------|------------|---------|---------|------|-----------|
| Authority | BMA | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | RAMA VIII | | | | |

| | Picture No. | 10 |
|--|----------------|------------------|
| | Span | 1 |
| | Member | Decorative plate |
| | leakage lin | ie |
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| The second se | | |
| and the property of the second s | | |
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| | Picture No. | 11 |
| | Span | 1 |
| the second se | Member | Bearing |
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| Life South Contraction of the | | |
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| | Picture No. | 12 |
| | Span Member | 1 |
| | Member | |
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Inspection sheet of visual survey

Bridge No.

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4

Append 12 Photo No. (~~ Code of authorit DRR Route name Pinklao Bridge Bridge name No. Authority from Khat Bangkok Noi 0 from km+ Place Survey date 2009/10/23 Distanc Khet Phra Nakhon km+ 0 to to Bridge type(1) main road side road . ramp Camber deform ves · no ltem Type State Bridge type(2) bridge viaduct plank pass Difference in glade yes no Main girde PC-Box Leakage from box girder Bridge type(3) 3-span continuous PC box girder ontinuous of barrie Cross bea yes • no -Dronert i Total length 276.00 (m) Continuous of curve Stringer ves • no 83 + 110 + 83 (m)Noise Span ves · no Cross fram result dop Nos. of span Space change no 4 span ves · Lateral brac oint Ľ. difference grade yes 32.21 free lime Width (m) / (m) damage Slab no Survey Completion 1973 draining damage ves no Abutment Blocked drainage ves · no ę Pier Rectangular Out line Straight) · Curve (R Crack of pavement no Horizontal • incli(= Slide bearing m) ves · Bearing 5) parabol (凸 凹 Gradient Damage of lighting Steel Generally healthy) ves • no Barrier One way (informat Nearby tunnel Damage of sign Steel Generally healthy no m) Railing yes (Nearby crossing Damage of handrail ves · no ves no m) Curb Possibility of scou asphalt • concrete Generally healthy Traffic Much Medium • Little yes • no Pavement Road Commercial traffi Walkway yes • no drained •undrained leakage Much Mediur • Little Joint Vehicle yes · no Blocked Drainage ves • no 2.Suburbs lon 3.Mountain 1.Urban 4.Seaside way 5. Industrial 6.Harbor 7.Residential 8.Bussiness Envi 9.Salty 10.Cold and snow 11.Heavy snow 12.0thers · Sever leakage from expansion joint nspect ion i d · Water flow in box girder may cause defect in box. 1.Shinkansen 2.Railway 3.Highway 4.Road þ 5.River 6.Lake 7.Ravine 8.Valley Crack of pier of approach bridge mpressions Unde r 9.Waterway 10.Parking 11.Bike parkin 12.Park 13.Vacant 14.Harbor Chao Phrava Name 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Superstructure 6.0n boat 7.Special camera 8.Others(about 11.5m Height of girde nethod I.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Deterioration of bridge Substructure deficient · fair · good 0.0n boat 7.Special camera 8.Others(agnos i s • All bridge section is on the water Noticeable point istory of repair · If inspection car is not available, false work ·Crack of pier of approach Repaint; Reason - yy - mm will be required D · Leackage from manhole Surveyor; Mr, Chujo, Mr.Kudo

| Prese | nt state (1 | /7) | | | |
|-----------|------------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pin Klao Bi | . i dge | | | |

| | Picture No. | 1 |
|--|-------------|-------------------|
| | Span | 1 |
| | Member | Side view |
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| Characteristics | | |
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| | Picture No. | 2 |
| | Span | 1 |
| | Member | View on road |
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| and the second s | | |
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| | | |
| | Picture No. | 3 |
| | Span | 1 |
| | Member | View under girder |
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| Preser | nt state (2 | /7) | | | |
|-----------|------------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pin Klao Bu | idge | | | |

| Picture No. Span Member | 4 1 Hinge |
|---|----------------------------------|
| Picture No. Span Member Corrosion at | 5 1 Expansion joint end |
| Picture No. Span Member Corrosion | 6 1 Expansion joint |

| Prese | nt state (3 | 3 / 7) | | | |
|-----------|-----------------|----------------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pin Klao B | ridge | | | |
| | | | вапдкок | Data | 23-0Ct-0 |



| Presen | nt state (4 | ·/7) | | | |
|-----------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pin Klao B | ridge | | | |

| | Picture No. | 10 |
|--|-------------|--------------------|
| | Span | 1 |
| and the second of the | Member | Approach bridge |
| concernation | | |
| | Crack | |
| A CONTRACT OF THE OWNER | | |
| E Contraction of the second se | | |
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| A State of the second se | | |
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| | Picture No. | 11 |
| And the second states | Span | <u> </u> |
| The second se | Member | Man hole |
| | Lookogo fra | mmonholo |
| | Leakage fro | |
| | leakage fro | m water supply? |
| | Leakage ITC | |
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| State and the second | | |
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| and the second sec | | |
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| | Picture No. | 12 |
| the second se | Span | 1 |
| the second s | Member | Pylon |
| the second s | | |
| and a second | Mark of lea | kage from joint of |
| | barrier | |
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| for the second s | | |
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| the first of the second s | | |

| t state (5 | /7) | | | |
|------------------|---------|--|---------------------|--------------------------|
| DRR | Address | Bangkok | Data | 23-0ct-09 |
| Phra Pin Klao Br | idge | | | |
| | DRR | t state (5 / 7) DRR Address Phra Pin Klao Bridge | DRR Address Bangkok | DRR Address Bangkok Data |

| | Picture No. | 13 |
|---|-------------|------------------------|
| | Span | 1 |
| | Member | Drainage |
| | | |
| | Blocking | |
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| | Picture No. | 14 |
| | Span | 1 |
| | Member | Lighting pole |
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| | Deteriorati | on of corrosion proofi |
| Allow Contractions | | |
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| the second se | | |
| The second se | | |
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| | Picture No. | 15 |
| | Span | 1 |
| | Member | Walkway |
| | Graffiti | |
| | Giairiti | |
| | Fracture of | decorative plate |
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| Preser | nt state (6 | (7) | | | | | |
|-----------|------------------|----------------------|---------|------|-----------|--|--|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 | | |
| Bridge | Phra Pin Klao Bu | Phra Pin Klao Bridge | | | | | |

| | Picture No. | 16 |
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| TO DE | Span | 1 |
| and the second second | Member | Slab |
| - Farmer | | |
| | Free lime from | construction joint |
| Print Print Print | *Survey on boa | ord, 31-oct |
| | Picture No. | 17 |
| | Span | 1 |
| The state of the s | Member | Hinge |
| The Aller of the A | - | 0 |
| strand the Aller | Leakage | |
| | *Survey on boa | ord, 31-oct |
| | Picture No. | 18 |
| a ferral approved by | Span | 1 |
| and a floor all for any the second | Member | Slab |
| The Tel Hell All all and a lot | | 0100 |
| The second s | Nest harm | |
| the second s | | |
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| | *Survey on boa | ord, 31-oct |
| the start will a start and | | |
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| Preser | nt state (7 | /7) | | | | | |
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| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 | | |
| Bridge | Phra Pin Klao Bi | Phra Pin Klao Bridge | | | | | |
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| | Picture No. | 19 |
|--|-------------|---------------|
| | Span | 1 |
| | Member | Substructure |
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| AND A DECEMBER OF A DECEMBER O | | |
| A REAL PROPERTY AND A REAL | *0 | 1 |
| | "Survey on | board, 31-oct |
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| | Picture No. | 20 |
| | Span | 1 |
| | Member | 1 |
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| | Picture No. | 21 |
| | Span | 1 |
| | Member | · · |
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Inspection sheet of visual survey

| | | | | oute name | | | | | DRR | | Code of authority | | - |
|--------|----------------------------|---|---------|-------------|----------------------------|---------------|---------|-----------------|---|--------------|--------------------|-------------|-----------------------|
| В | ridge name | Memorial Bridge | ΝC | | - | | Auth | ority | DKK | | No. | | - |
| l | Place | : Thon Buri : Phra Nakhon | Dist | ance from | km+ km+ | 0 | | | | | Survey date | | 2009/10/23 |
| | Bridge type(1) | main road · side road · ramp | | to Cambe | r deform | ves · no | | ltem | Туре | | | State | |
| | Bridge type(2) | bridge · viaduct · plank pass | | Differen | ce in glade | , | | Main girder | Truss | Corrosi | on, Deterioration | of proofin | g, deformation by col |
| ies | Bridge type(3) | 3-span steel truss | | ontinuou | s of barrie | yes • no | | Cross beam | I section steel | - | | - | |
| opert | Total length | 234.00 (m) | | Continuo | us of curve | yes • no | | Stringer | I section steel | - | | | |
| prop | Span | 78 + 78 + 78 (m) | | N | pise | yes · no | | Cross frame | T section steel | Deforma | tion by collision | | |
| dge | Nos. of span | 3 span | resul t | , Spa | ce change | yes · no | | Lateral brace | - | - | | | |
| BLI | Width | 10.00 (m) / (m) | - | | rence grade | yes · no | damage | Slab | | Crack (| under and top of | road, under | walkway), free lime, |
| | Completion | 1932 | - Sev | | ing damage | yes • no | dam | Abutment | - | - | | | |
| | | | Sul 1 | | drainage | yes • no | | Pier | Octagon | - | | | |
| _ | Horizontal | Straight \cdot incli(= °) \cdot Curve (R m |) | | f pavement | yes ∙ no | | Bearing | Pin bearing | Deterio | ration of proofing | g of anchor | bolt |
| mation | Gradient | One way (・・) parabol (凸・凹) | _ | - | of lighting | yes • no | Outl | Barrier | - | - | | | |
| orma | Nearby tunnel | yes · no (m) | | Ŭ | of sign | | | Railing Curb | Steel | General | ly healthy | | |
| infor | Nearby crossing Traffic | yes • no (m) Much • Medium • Little | - | | of handrail ty of scour | - | | Pavement | - asphalt•concrete | - General | ly healthy | | |
| Road | Commercial traffic | Much · Medium · Little | - | Walkway | | | | Joint | drained undraine | | , , | | |
| œ | | | | | yes ∙ no | | | Drainage | yes • no | Blocked | Теакауе | | |
| onr | 1.Urban | 2.Suburbs 3.Mountain 4.Seaside | - | ventore | yes no | (contor opan) | | bramago | yes no | Dioonou | | | |
| Enviro | 5.Industrial | 6.Harbor 7.Residential 8.Bussiness | wav | ` ····· | | | | | | | | | |
| - | 9.Salty | 10.Cold and snow 11.Heavy snow 12.Others | ion | | | | | | s damage by ship c | | | sion was se | een. |
| brid | 1.Shinkansen 5.River | 2.Railway3.Highway4.Road6.Lake7.Ravine8.Valley | bect | | | | | | s frame of center ing water was foun | | | | |
| | 9.Waterway | 10.Parking 11.Bike parkin 12.Park | lsu | | | | ss ions | | | | | dway might | be caused by insuffic |
| Unde r | 13.Vacant | 14.Harbor Name (Chao Phraya) | | | | | ess i | | y of support membe | | | | |
| | Superstructure | 1.Inspection car 2.Falsework 3.On ground 4.Ladder 5.Lift car | | | | | mpre | • Some r | ivet was lost | | | | |
| DC | | 6.0n boat 7.Special camera8.0thers(Inspection vehicle) | | Height of g | | about 7.3m | _ | | | | | | |
| method | Substructure | 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car 6.On boat 7.Special camera 8.Others() | | | oration of b t · fair · | | | | | | | | |
| SS | | • All bridge section is on the water | osis | | eable point | | | P . (. | • Mainter | nance and | repairing work w | as done by | ODA at 1984 |
| cce | Reason | • If inspection car is not available, false work | adn | I | ation by co | | | listory o | f repair ; | | ····· | Repai | |

| Prese | nt state (1 | / 18) | | | |
|-----------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 1 |
|----------------------------|-------------|-----------------------|
| 10.0 | Span | 1 |
| | Member | Side view |
| | | |
| | | |
| A DESCRIPTION OF THE OWNER | | |
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| ちちょう ちょう ちょう しょう いまない | | |
| | Picture No. | 2 |
| | Span | 1 |
| | Member | View on road |
| | | |
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| | | |
| | | |
| | | |
| | Picture No. | 3 |
| | Span | 1 |
| | Member | View under girder |
| | | <u> </u> |
| | Inspection | vehicle of side span. |
| | | |
| | | on vehicle in center |
| | span | |
| | | |
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| Prese | nt state (2 | 2 / 18) | | | |
|-----------|-----------------|----------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | | 4 | |
|---|-------------|-------------|---------|-------|
| and the second | Span | | 1 | |
| and the second second second | Member | Side view c | | span |
| and the second se | | | | |
| the second se | | | | |
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| | Picture No. | | 5 | |
| | Span | | 2 | |
| | Member | side view o | of cent | er sp |
| and the second se | | | | |
| the second s | | | | |
| RAN AND AND AND AND AND AND AND AND AND A | | | | |
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| | Picture No. | | 6 | |
| | Span | | 1 | |
| | Member | View of | walkwa | y |
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| Present state (3 / 18) | | | | | |
|--------------------------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | <u>Бу (у</u> | _ |
|--|-----------------|-------------------------|
| | Picture No. | 7 |
| | Span | 1 |
| | Member | material |
| Contraction of the second seco | The materia | al made in England |
| | lt's seems | that same fabricator |
| | | terial for repairing wo |
| DORAN ANDLONG | | |
| | | |
| | Picture No. | 8 |
| | Span | 1 |
| | Member | Material |
| | A325 (ASTM) |), NKYM |
| | High tensio | on bolt |
| | produced MI | |
| | | |
| | Picture No. | - |
| | Span Marrhar | 1 |
| | Member | Inspection vehicle |
| | Han powered | d inspection vehicle. |
| | | |
| A LANDA VARIANDA | | |
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| | | |

| Present state (4 / 18) | | | | | |
|--------------------------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 10 |
|---|----------------|-------------------------|
| | Span | 1 |
| | Member | Expansion joint |
| | Bangkok sic | le |
| | | |
| | Picture No. | 11 |
| | Span | 1 |
| | Member | Expansion joint |
| | Bangkok sic | le |
| A second s | Deteriorati | on of corrosion proofi |
| | | |
| | Picture No. | 12 |
| | Span Mombor | 1 Expansion isint |
| | Member | Expansion joint |
| | between sic | le span and center spar |
| | Peeling of | surface layer |
| | | |
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| Preser | nt state (5 | / 18) | | | |
|-----------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 7 |
|--|-------------|------------------------|
| | Span | 1 |
| | Member | Bearing |
| | Member | beat my |
| | Deteriorati | on of corrosion proofi |
| | | |
| | Picture No. | 8 |
| | Span | 1 |
| | Member | Bearing |
| 332000 | Member | beat my |
| | Remaining w | ater |
| | | |
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| | | |
| | Picture No. | 9 |
| | Span | 1 |
| | Member | Bearing |
| | | boarnig |
| | Mark of rem | arkable corrosion |
| | There is no | o remaining water at |
| | | around? |
| | survey. Imp | |
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| and the second s | | |
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| Prese | nt state (6 | / 18) | | | |
|-----------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 10 |
|--|----------------|---|
| | Span | 1 |
| | Member | Stay cable |
| The second s | Melliber | Stay Cable |
| A A A A A A A A A A A A A A A A A A A | Connection | between steel and sla |
| | | ke gap around steel bottom side. |
| | | |
| | | 44 |
| | Picture No. | <u>11</u> |
| | Span Member | Inspection vehicle |
| | Member | Inspection venicie |
| | | around steel member remaining water. |
| | | an around steel word |
| | from top si | gap around steel meml |
| | | |
| | Picture No. | |
| | Span Member | 1 slab |
| | Member | 5100 |
| | It looks no | gap around steel mem |
| | from top si | |
| | · | |
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| Prese | nt state (7 | / 18) | | | |
|-----------|-----------------|-------|---------|------|-----------|
| Authority | DRR | n | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |
| Bridge | Memorial Bridge | | | | |

| I | |
|----------------------------|---|
| Picture No. | 13 |
| Span | 1 |
| Member | slab |
| Reinforceme | ent by additional plate |
| by rivet Reinforceme | ent structure is connected ent structure is by high tension bolt. |
| | |
| Picture No. | 14 |
| Span | 1 |
| Member | slab |
| | |
| Reinforceme | ent plate |
| | tom of member |
| | |
| | 45 |
| Picture No. | |
| Span | 1 |
| Member | slab |
| Remaining v chord membe | water is seen inside of er |
| | |

| Prese | nt state (8 | 6 / 18) | | | |
|-----------|-----------------|-----------------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 16 |
|------|-------------|---------------------------------------|
| | Span | 1 |
| | Member | slab |
| | Member | 5100 |
| | Remaining w | ator |
| | It will mak | e corrosion |
| | | |
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| 31/1 | | |
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| | | |
| | Picture No. | 17 |
| | Span | 1 |
| | Member | slab |
| | | |
| | Remarkable | reduced section |
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| | | |
| | Picture No. | 18 |
| | Span | 1 |
| | Member | slab |
| | | |
| | Rivet is no | t changed to bolt. |
| | | · · · · · · · · · · · · · · · · · · · |
| | | nt plate was connected |
| | only center | by bolt. |
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| Prese | nt state (9 | / 18) | | | |
|-----------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | <u> </u> | |
|---|-------------|------------------------|
| | Picture No. | 13 |
| | Span | 1 |
| | Member | slab |
| | Deteriorati | on of corrosion proofi |
| | | |
| | Diatura Na | 4.4 |
| | Picture No. | 14 |
| | Span | 1 |
| | Member | slab |
| | Corrosion o | f diaphragm |
| | Accumulatio | n of soil |
| | | |
| | | |
| | | |
| | Picture No. | 45 |
| | | 15 |
| | Span | 1 |
| | Member | Lighting pole |
| 0 2 | | |
| | Corrosion o | f diaphragm |
| | | |
| the set of the set | | |
| 0 | | |
| 1 Contraction of the second | | |
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| Prese | nt state (10 |) / 18) | | | |
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| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Diatura Na | 10 |
|---------------------------------------|-----------------|----------------|
| | Picture No. | <u>16</u> 1 |
| | Span Mamba r | |
| | Member | Chord member |
| | Repaired meml | bor |
| | Repaired memi | |
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| | Picture No. | 17 |
| · · · · · · · · · · · · · · · · · · · | | 17 |
| | Span Member | Bolt |
| | | DUTI |
| CONTRACT CONTRACTOR | Pivot was rou | placed by bolt |
| 0 | Kivet was re | |
| IL GOMES THE | | |
| 6 4 1 | | |
| 6 | | |
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| | | |
| | Picture No. | 18 |
| | Span | 1 |
| | Member | Bolt |
| | | |
| | Looseness of | bolt |
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| Presen | t state | (11 | / 18) | | | |
|-----------|------------|--------|---------|---------|--|--------------------------|
| Authority | DRR | | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial H | Bridge | | | • | |
| | | | | | | |
| | | | | | Picture No. | 19 |
| | | | | 1721 | Span | 1 |
| | | | | | Member | Bolt |
| | | | | | Falling of | rivet |
| | | - | | 7 | Picture No. Span Member Deformation | 20 1 Upper chord |
| | | | | | | |
| | | | 1 | | Picture No. Span Member | 21 1 Lighting pole |
| | | | | | Corrosion | |

| Prese | nt state (| 12 / 18) | | | |
|-----------|--------------|-----------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bri | dge | | | |

| | | 00 |
|--|-------------|----------------------|
| | Picture No. | 22 |
| the second s | Span | 1 |
| | Member | Stringer |
| | | |
| | Stringer is | connected by high |
| | tension bol | t. |
| | | |
| | All stringe | r might be replaced |
| | at repairin | g work |
| | | - |
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| | | |
| The West and a second se | | |
| | Picture No. | 23 |
| | | |
| | Span | 1 Detter shard |
| The second second | Member | Bottom chord |
| | | |
| | Deformation | by vehicle collision |
| | | |
| | | |
| | Limit of ve | hicle height is 3.5m |
| | | |
| | No warning | frame is set before |
| | bridge at T | 'non Buri side |
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| | | |
| | Picture No. | 24 |
| A to a second se | Span | 1 |
| | Member | Bottom chord |
| A second | WEINDET | |
| | Defermetics | by vohiele echieter |
| 1 | Derormation | by vehicle collision |
| and the second s | Then Durt - | : da |
| and the second second | Thon Buri s | Ide |
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| 1 Junior | | |
| and the second s | | |
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| Prese | nt state (1 | 3 / 18) | | | |
|-----------|-----------------|----------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 25 |
|--|-------------|-------------------|
| The second second | Span | 1 |
| | Member | Cross frame |
| | Thon Buri s | ide |
| | Buckling by | vehicle collision |
| | | |
| | | |
| | | |
| TITAD | | |
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| | | |
| | | |
| | Picture No. | 26 |
| | Span | 1 |
| | Member | End cross beam |
| | | |
| | Deformation | |
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| | | |
| and the second | | |
| the second s | | |
| | Picture No. | 27 |
| | Span | 1 |
| | Member | Bottom chord |
| | | |
| | Rupture of | rivet by vehicle |
| | collision | |
| | | |
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| Prese | nt state (1 | 4 / 18) | | | |
|-----------|-----------------|----------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 28 |
|--|----------------|------------------------|
| | Span | 1 Nonitoring comore |
| | Member | Monitoring camera |
| | | |
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| Sutton | | |
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| | | |
| | Dioturo No | 29 |
| | Picture No. | 291 |
| | Span Member | Worning frame |
| | Member | worning frame |
| | Thora in we | raina fromo ot Donakol |
| 3.80 u | niere is wa | rning frame at Bangko |
| | side | |
| | | |
| 0. | | |
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| З.8н. | | |
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| | | |
| | Picture No. | 30 |
| 一、加水上、水水、土、水水、水水、水水、水水、水水、水水、水水、水水、水水、水水、水水、水 | Span | 1 |
| | Member | slab |
| | Member | STAD |
| | Crack on sl | |
| | CTACK OF ST | au |
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| and the second | | |
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| Prese | nt state (18 | 5 / 18) | | | |
|-----------|-----------------|----------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | <u> </u> | |
|--|----------------|-----------------|
| | Picture No. | 31 |
| | Span | 1 |
| | Member | slab |
| | | |
| | Replaced slab | |
| | | |
| | Free lime is a | seen on slab of |
| | center span a | |
| | · · · · | |
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| | | |
| | | 00 |
| | Picture No. | 32 |
| and the second sec | Span | 1 |
| | Member | slab |
| The second s | | |
| | Crack and free | e lime |
| | | |
| | | |
| | | |
| | | |
| the second s | | |
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| | | |
| | | |
| and the second | | |
| No. of Concession, Specific Street, Spec | | |
| | | |
| | Picture No. | 33 |
| | Span | <u></u> 1 |
| A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACTACT OF A CONTRACT OF A CONTRACT. CONTRACTACT OF A CONTRACT OF A CONTRACT. CO | Mombor | |
| | Member | Drainage |
| | Dia aka d | |
| | Blocked | |
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| and the second | | |
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| Prese | nt state (10 | 6 / 18) | | | |
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| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | Picture No. | 34 |
|--|-------------|-----------------------|
| | Span | 1 |
| | Member | Slab |
| | Meniper | JIAN |
| | Longituding | al crack between road |
| NYE WAYABAL | | |
| | and walkway | / |
| | 1 | and a facility of |
| | | ncy of rigidity of |
| | bracket men | nber of walkway? |
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| | | |
| | *Survey on | board, 31-oct |
| | | |
| | | |
| | Picture No. | 35 |
| | Span | 1 |
| | Member | Slab |
| | | |
| | Longitudina | al crack between road |
| B. | and walkway | 1 |
| | | |
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| | *Survev on | board, 31-oct |
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| | | |
| | Picture No. | 36 |
| and the second se | Span | 1 |
| | Member | Slab |
| | | |
| | Longitudina | al crack between road |
| | and walkway | |
| | | · |
| | Fracture of | surface |
| | | 0011000 |
| | | |
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| | | |
| | *0 | beend of set |
| The house have been and the second se | | DUDITA ALLOCT |
| | "Survey on | board, 31-oct |
| | -Survey on | board, 31-001 |

| Prese | nt state (1 | 7 / 18) | | | |
|-----------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | 1 | | | |
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| | Picture No. | 37 |
|--|--------------------------|---------------------|
| | Span | 1 |
| | Member | slab |
| | | |
| | Crack and f | ree lime on bottom |
| | surface of | |
| First A Lands A Land A Land | | |
| | Deformation | of cross frame |
| | by ship col | |
| | | |
| | | |
| | | |
| | | |
| | *Survey on | board, 31-oct |
| | | |
| | | |
| | Picture No. | 38 |
| | Span | 1 |
| | Member | Inspection car rail |
| | | |
| | Lack of bol | t |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | *Survey on board, 31-oct | |
| | | |
| | | |
| | Picture No. | 39 |
| | Span | 1 |
| | Member | Cross frame |
| | | and the first free |
| | | member by ship |
| | collision | |
| | | |
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| The second s | | |
| | *Survey on | board, 31-oct |
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| | | |

| Present state (18/18) | | | | | |
|-----------------------|-----------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Memorial Bridge | | | | |

| | 10 | |
|--------------------------|---------------|--|
| Picture No. | 40 | |
| Span | 1 | |
| Member | Gusset plate | |
| Damage by ship collision | | |
| *Survey on | board, 31-oct | |
| | | |
| Picture No. | 41 | |
| Span | 1 | |
| Member | | |
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| Picture No. | 42 | |
| Span | 1 | |
| Member | | |
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Inspection sheet of visual survey

Append

Bridge No. 14 Photo No. (~~ Code of authorit DRR Route name Phra Pokklao Bridge Bridge name No. Authority from Khat Bangkok Noi 0 from km+ Place Survey date 2009/10/23 Distanc Khet Phra Nakhon km+ 0 to to Bridge type(1) main road side road . ramp Camber deform ves · no ltem Type State Difference in glade yes Bridge type(2) bridge viaduct plank pass no Main girde PC-Box free lime 3-span continuous PC box girder Bridge type(3) ontinuous of barrie Cross bea yes • no -Dronert i Total length 212.00 (m) Continuous of curve Stringer ves • no 56 + 100 + 56 (m)Noise Span ves · no Cross fram result dop Nos. of span Space change no 3 span ves · Lateral brac oint Ľ. difference grade yes 13.2 X 2 (m) / free lime Width (m) Slab no damage Survey Completion 1984 draining damage no Abutment ves Blocked drainage ves · no ę Pier Rectangular Outline Straight) · Curve (R Crack of pavement no Horizontal • incli(= ves Slide bearing m) Bearing <u>o</u>) parabol (凸 凹 Gradient Damage of lighting yes • Trapezoidal Exfoliation One way () no Barrier informat Nearby tunnel Damage of sign Steel Generally healthy no m) Railing yes (Nearby crossing no Damage of handrail ves · no ves m) Curb Possibility of scou asphalt • concrete Generally healthy Traffic Much Medium • Little yes • no Pavement Road Commercial traffi • Little Walkway yes • no drained •undrained leakage at end Much Mediur Joint Vehicle yes · no Generally healthy Drainage ves no lon 2.Suburbs 3.Mountain 1.Urban 4.Seaside way 5. Industrial 6.Harbor 7.Residential 8.Bussiness Envir 9.Salty 10.Cold and snow 11.Heavy snow 12.0thers nspect ion i d 1.Shinkansen 2.Railway 3.Highway 4.Road þ 5.River 6.Lake 7.Ravine 8.Valley mpressions Unde r 9.Waterway 10.Parking 11.Bike parkin 12.Park 13.Vacant 14.Harbor Chao Phrava Name 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Superstructure 6.0n boat 7.Special camera 8.Others(about 8.9m Height of girde nethod 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Deterioration of bridge Substructure 6.0n boat 7.Special camera 8.Others(deficient · fair · good Di agnos i s • All bridge section is on the water Noticeable point istory of repair · If inspection car is not available, false work Repaint; Reason - yy - mm will be required Mr,Chujo, Mr.Kudo Surveyor ;

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| Preser | nt state (1 | /4) | | | |
|-----------|------------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pokklao Bri | idge | | | |

| | Picture No. | 1 |
|---|-------------|-------------------|
| State of the second | Span | 1 |
| | Member | Side view |
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| | Picture No. | 2 |
| | Span | 1 |
| | Member | View on road |
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| - Contraction of the second | | |
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| | Picture No. | 3 |
| | Span | 1 |
| | Member | View under girder |
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| Preser | nt state (2 | /4) | | | |
|-----------|------------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pokklao Bri | dge | | | |

| Picture No. | 4 |
|-------------------------------|-----------------------|
| Span | 1 |
| Member | Approach bridge |
| Settlement a | |
| Picture No. Span Member | 5 1 Catch basin |
| | |
| Picture No. | 6 |
| Span | 1 |
| Member | Catch basin |
| Cross fall i | is parabola? |
| Catch basin side | is installed at both |
| | |

| Preser | nt state (3 | /4) | | | |
|-----------|------------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pokklao Bri | dge | | | |

| | Picture No. | 7 |
|--|-------------|----------------------|
| | Span | 1 |
| | Member | Side barrier |
| Set of the | | |
| | Exfoliation | n of concrete |
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| | Picture No. | 8 |
| | Span | 1 |
| | Member | Center barrier |
| | - | |
| And a second | Fracture of | concrete surface |
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| and the second se | | |
| and the second | | |
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| | Picture No. | 9 |
| | Span | 1 |
| | Member | |
| | Free lime | |
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| Course of the late of the late of the second states | Deteriorati | on of drain function |
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| and and the second s | | |
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| Preser | nt state (4 | /4) | | | |
|-----------|---------------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 23-0ct-09 |
| Bridge | Phra Pokklao Bridge | | | | |
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| | | 10 |
|--|-------------|----------------|
| | Picture No. | 10 |
| | Span | 1 |
| THE REAL PROPERTY AND ADDRESS OF THE PARTY O | Member | Drainage |
| | Scratch by | ship collision |
| | | |
| | Picture No. | 11 |
| | Span | 1 |
| and the second se | Member | Substructure |
| and the second design of the s | | |
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| | Picture No. | |
| | Span | 1 |
| | Member | Pylon |
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Inspection sheet of visual survey

Bridge No.

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Road

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Reason

· If inspection car is not available, false work

will be required

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15 Photo No. (~~ Code of authorit DRR Route name Taksin Bridge Bridge name No. Authority from Khet Khlong San 0 from km+ Place Survey date 2009/10/27 Distanc Khet Sathoo km+ 0 to to Bridge type(1) main road side road . ramp Camber deform ves · no ltem Type State Bridge type(2) bridge viaduct plank pass Difference in glade ves no Main girde PC-Box free lime, Suspicious of crack Bridge type(3) 3-span continuous PC box girder ontinuous of barrie Cross bear yes • no -Total length 224.00 (m) Continuous of curve Stringer ves • no 66 + 92 + 66 (m)Noise Cross fram Span ves · no result Nos. of span Space change ves 3 span Lateral brac • no oint difference grade yes 12.85 x 2 (m) / Width (m) no Slab free lime, leakage damage Survey Completion 1982 draining damage Abutment ves no Blocked drainage ves · no ð Pier V shape Out line Straight) • Curve (R Crack of pavement no Horizontal • incli(= Slide bearing Deterioration of proofing m) ves · Bearing) parabol (凸 凹 Gradient Damage of lighting yes • Trapezoidal Lack of cover at expansion joint, Exfoliation) no Barrier One way (Nearby tunnel Damage of sign Steel Generally healthy no m) Railing yes (Nearby crossing Damage of handrail ves · no ves no (m) Curb Possibility of scou asphalt • concrete Unevenness Traffic Much Medium • Little ves • no Pavement Commercial traffi Walkway yes no drained •undrained leakage at end Much Mediur • Little Joint Vehicle yes · no Blocked Drainage ves • no 2.Suburbs 3.Mountain 1.Urban 4.Seaside way 5. Industrial 6.Harbor 7.Residential 8.Bussiness 9.Salty 10.Cold and snow 11.Heavy snow 12.0thers ·Suspicious of shear crack is found in Thonburi side span. It is recommended watching nspect ion 1.Shinkansen 2.Railway 3.Highway 4.Road continuously 5.River Movement to center span was seen at Bangkok side bearing. It is recommended watching 6.Lake 7.Ravine 8.Valley mpressions 9.Waterway 10.Parking 11.Bike parkin 12.Park continuously. 13.Vacant 14.Harbor Chao Phrava Name (Cover of barrier and railing was disappear on expansion joint. 1.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Superstructure 6.0n boat 7.Special camera 8.Others(about 12m Height of girde I.Inspection car2.Falsework 3.On ground 4.Ladder 5.Lift car Deterioration of bridge Substructure 0.0n boat 7.Special camera 8.Others(deficient · fair · good agnos i s • All bridge section is on the water Noticeable point istory of repair

· Crack or cold joint on web

Longitudinal move of girder

Surveyor;

Mr, Chujo, Mr.Kudo

D

Append

Repaint;

- yy - mm

| Prese | nt state (1 | /8) | | | |
|-----------|---------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |

| 「 | Picture No. | 1 |
|---|-------------|-------------------|
| | Span | 1 |
| And the second second | Member | Side view |
| | Member | Side view |
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| Contraction of the second s | | |
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| the second se | | |
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| | Picture No. | 2 |
| | Span | 1 |
| | Member | View on road |
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| | Picture No. | 3 |
| | Span | <u>5</u> |
| | Member | View under girder |
| | | view under girder |
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| Prese | nt state (2 | 2 / 8) | | | |
|-----------|---------------|---------|---------|----------|-----------|
| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |
| - | | | la : | - N | |
| | | | Pic | ture No. | 4 |

| Span 1 | |
|--|--------|
| Member Expansion Joi | int |
| | |
| Replaced expansion joint | |
| The second se | |
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| and the second | |
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| The second s | |
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| Picture No. 5 | |
| Span 1 | |
| Member Expansion joi | int |
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| Spacing is wider than 3cm t | han |
| other joint | |
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| Bangkok side, down stream | |
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| Picture No. 6 | |
| Span 1 | |
| Member Expansion joi | int |
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| Lack of cover of barrier an | d curv |
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| The second secon | |
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| Present state (| 3/8) | | | |
|--|--|------------------------|-------------------------|----------------------|
| Authority DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge Taksin bridge | | | | |
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| | | | ure No. Span | 7 |
| | | | ember | Water supply |
| | | modu | lor type | is applied for the |
| | | | Ige of upst | |
| | A DESCRIPTION | | 6 | of barrier |
| | | | of cover | of barrier |
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| | the second | | | |
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| A STATE OF THE ASSA | | CONTRACTOR DECEMBER OF | ure No. | 8 |
| And the second s | A Station | | Span ember | 1 Bearing |
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| | | | ure No. | 9 |
| | | Me | Span ember | 1 Bearing |
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| Prese | nt state (4 | /8) | | | |
|-----------|---------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |

| | Picture No. | 10 |
|---|----------------|----------------------|
| | Span | 1 |
| | Member | Expansion joint |
| | Deteriorati | on of drain fanction |
| | Mark of lea | akage |
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| The second se | | |
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| | Picture No. | <u> </u> |
| | Span Member | Vertical alignment |
| | | vortrour arrighmorr |
| | Bent angle | between main bridge |
| | and approad | |
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| | Picture No. | 12 |
| | Span | 1 |
| | Member | Slab |
| | Free lime | |
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| Arres all a | | |
| and the second second second | | |
| SIL & CONTRACTOR OF THE SECOND | | |
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| Prese | nt state (5 | 5 / 8) | | | |
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| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |

| | Picture No. | 7 |
|--|----------------|----------------------|
| | Span | 1 |
| | Member | Box girder |
| | | - |
| | Shear crack | or severe cold joint |
| | | udy is recommended |
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| | | rom filled hole |
| | Without wat | erproofing? |
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| ALLER CONTRACTOR ALLER PROVIDENCE | | |
| The second secon | | |
| | Disture Mr | 0 |
| | Picture No. | 8 |
| And the second se | Span Member | Catch basin |
| | Member | |
| | Free lime f | rom filled hole |
| | | erproofing? |
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| | Picture No. | 9 |
| | Span Member | 1 Porrior |
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| Presen | t state (e | 6/8) | | | |
|-----------|---------------|--------------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |

| | Picture No. | 10 | |
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| A REAL PROPERTY AND A REAL PROPERTY AND | Member | Slab | |
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| | Mark of rep | air | |
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| and the second sec | Picture No. | 11 | |
| | Span | 1 | |
| | Member | Bearing | |
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| | Leakage fro | m joint | |
| | Upstream. T | hon Buri side | |
| and the second sec | -p, | | |
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| AND A REAL PROPERTY AND A | Picture No. | <u>12</u> 1 | |
| Contraction of the second s | Span Member | Lighting pole | |
| | Member | Lighting pore | |
| | Free lime (| lower) | |
| | Free lime (lower) Crack (upper) | | |
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| | Upstream, Bangkok side | | |
| and the second s | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | |
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| The second se | | | |
| State of the state | | | |
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| Prese | nt state (7 | /8) | | | |
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| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |

| | Picture No. | 7 |
|--|-------------|----------------------|
| | Span | 1 |
| | Member | Catch basin |
| | | |
| | Blocking | |
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| The second s | | |
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| | Picture No. | 8 |
| | Span | 1 |
| | Member | Pavement |
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| | Uneavenness | s of pavement |
| | | |
| | Upstream, E | Bangkok side |
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| All a the second s | | |
| the second s | | |
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| 和我们们们们的保持专家的发展的资源 。 | | |
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| | Picture No. | 9 |
| | Span | 1 |
| | Member | Walkway |
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| | Feeling une | easy due to wide gap |
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| March Market All Market | | |
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| Preser | nt state (8 | 8/8) | | | |
|-----------|---------------|---------|---------|------|-----------|
| Authority | DRR | Address | Bangkok | Data | 27-0ct-09 |
| Bridge | Taksin bridge | | | | |

| [| Picture No. | 10 |
|--|-------------------------------|---|
| and the second sec | | 10 |
| and the second s | Span Member | Girder |
| | Member | GIIGEI |
| | Free lime from | n construction joint |
| | Picture No. Span Member | 11 1 Girder |
| | Acumuration o | f soil |
| | Picture No. Span Member | 12 1 Pier nation is recommende |
| | | |