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## CIA IMAGERY ANALYSIS DIVISION

|                                                           |                          |                                               |      |
|-----------------------------------------------------------|--------------------------|-----------------------------------------------|------|
| NAME<br>Duong Dau Hwy. Bridge<br>Bridge No. 68 on NE 48-7 | COUNTRY<br>North Vietnam | COORDINATES<br>18 08N - 105 45E<br>WF 782 060 | 25X1 |
| BRIEF NO:<br>PTB 65198<br>November 1965                   |                          |                                               |      |
| MAP AMS L509 NE 48-7                                      |                          |                                               |      |

LOCATION: 0.1 nm W. of Duong Dau on Route 15

## DESCRIPTION:

LENGTH 90' approx.

WIDTH

TYPE

Deck

MATERIAL Wood, concrete piers

NO. OF SPANS 3

LENGTH OF EACH SPAN

30' approx.

25X1

## STATUS:

Deck damaged, abutments intact, approach interdicted.

## COMPENSATIVE ACTION:

Ford

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## CIA IMAGERY ANALYSIS DIVISION

|                                                      |               |                                |
|------------------------------------------------------|---------------|--------------------------------|
| NAME                                                 | COUNTRY       | COORDINATES                    |
| Phuong Hoang Hwy. Bridge<br>Bridge No. 66 on NE 48-7 | North Vietnam | 18 13N - 106 04E<br>XF 136 146 |
| BRIEF NO:                                            |               |                                |
| PTB 65199<br>November 1965                           |               |                                |
| MAP                                                  |               |                                |
| AMS L509 NE 48-7                                     |               |                                |

LOCATION: 0.5 nm N. of Phuong Hoang on Route 1A

## DESCRIPTION:

LENGTH 100' approx.

WIDTH

TYPE

Deck

MATERIAL Wood

NO. OF SPANS 4 probably

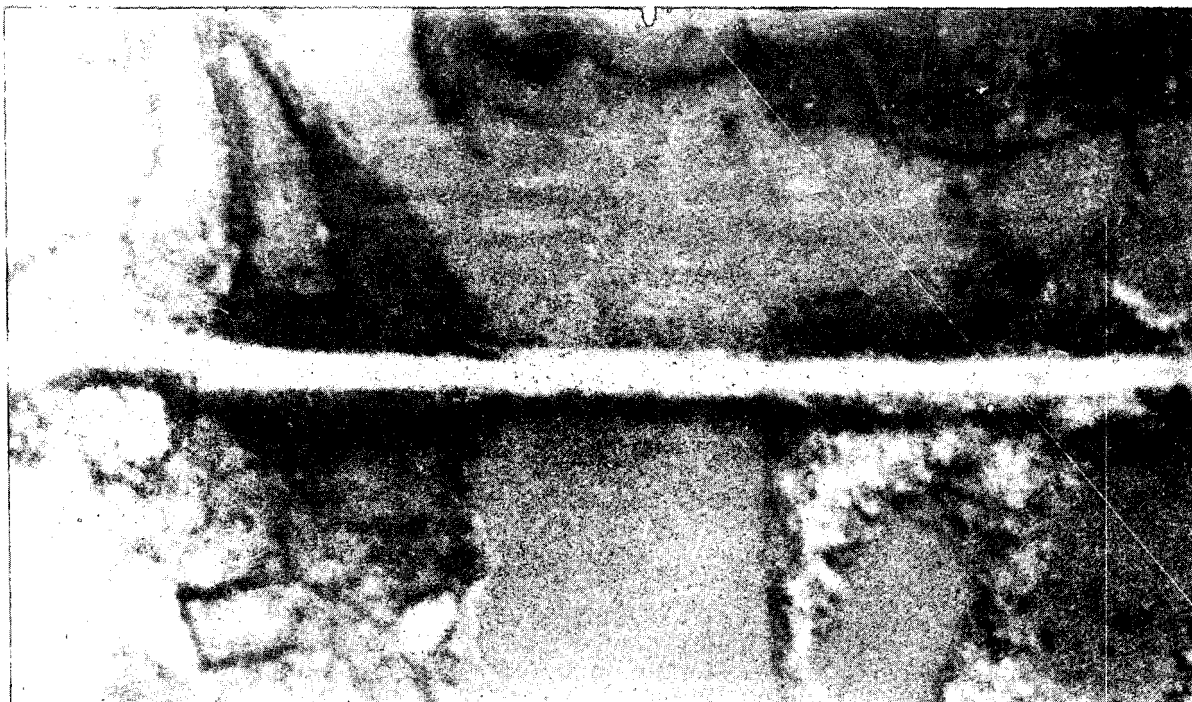
LENGTH OF EACH SPAN 25' approx.

## STATUS:

Slight deck damage; bridge serviceable.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

| NAME                                                 | COUNTRY       | COORDINATES                             |
|------------------------------------------------------|---------------|-----------------------------------------|
| Phusug Hoang Hwy. Bridge<br>Bridge No. 67 on NE 48-7 | North Vietnam | 18 14N - 106 05E<br>XF 153 160          |
| [REDACTED]                                           |               | BRIEF NO:<br>PIB 65200<br>November 1965 |
| MAP AMS L509 NE 48-7                                 |               |                                         |

LOCATION: At Phusug Hoang an unnumbered Route

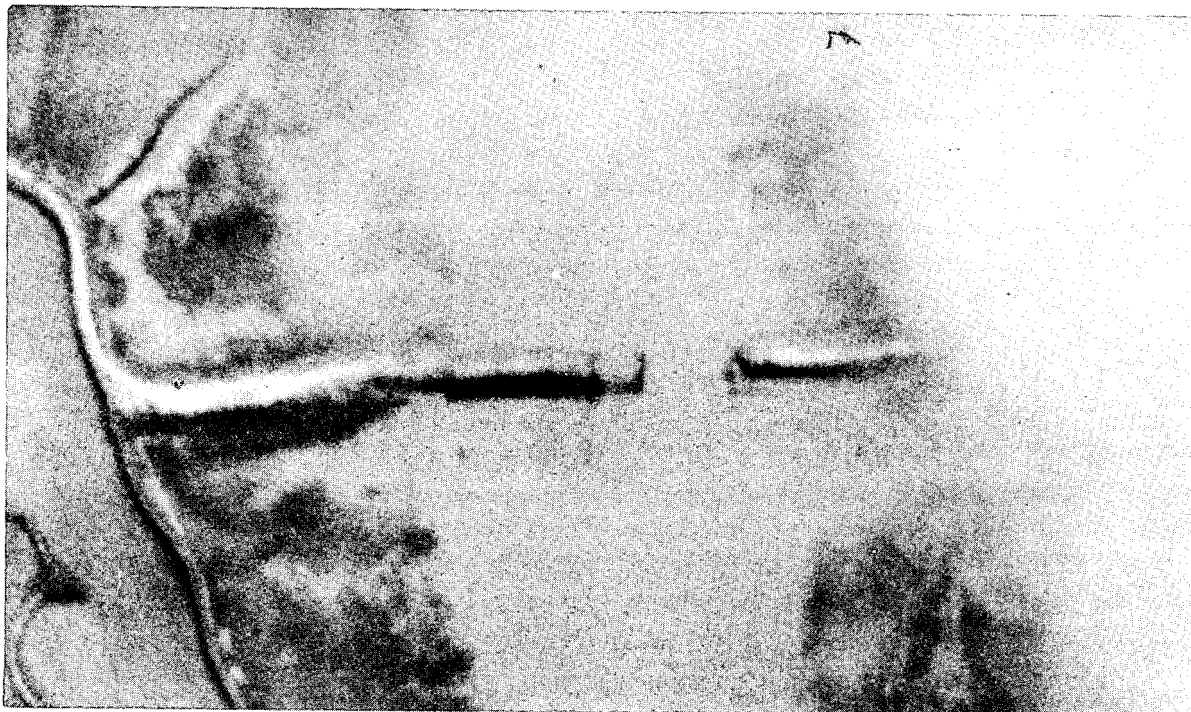
## DESCRIPTION:

LENGTH [REDACTED]  
WIDTH 5' approx.  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 8 probably  
LENGTH OF EACH SPAN [REDACTED]

STATUS: Two center spans dropped.

COMPENSATIVE ACTION: None

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## CIA IMAGERY ANALYSIS DIVISION

|      |            |                           |               |                                         |
|------|------------|---------------------------|---------------|-----------------------------------------|
| 25X1 | NAME       | Ban Tham Hwy. Bridge over | COUNTRY       | COORDINATES                             |
|      | stream     | <input type="text"/>      | North Vietnam | 21 25N - 103 43E<br>VJ 683695           |
| 25X1 | Bridge No. | 30 on NF 48-10            |               |                                         |
|      |            |                           |               | BRIEF NO:<br>PIB 75300<br>November 1966 |
|      | MAP        | JOG (A) 1501 NF 48-10     |               |                                         |

LOCATION: 1.3 nm WNW of Ban Tham on Route 6.

## DESCRIPTION:

|      |        |                      |                     |             |
|------|--------|----------------------|---------------------|-------------|
| 25X1 | LENGTH | 40' approx.          | MATERIAL            | Concrete    |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 2           |
|      | TYPE   | Deck                 | LENGTH OF EACH SPAN | 20' approx. |

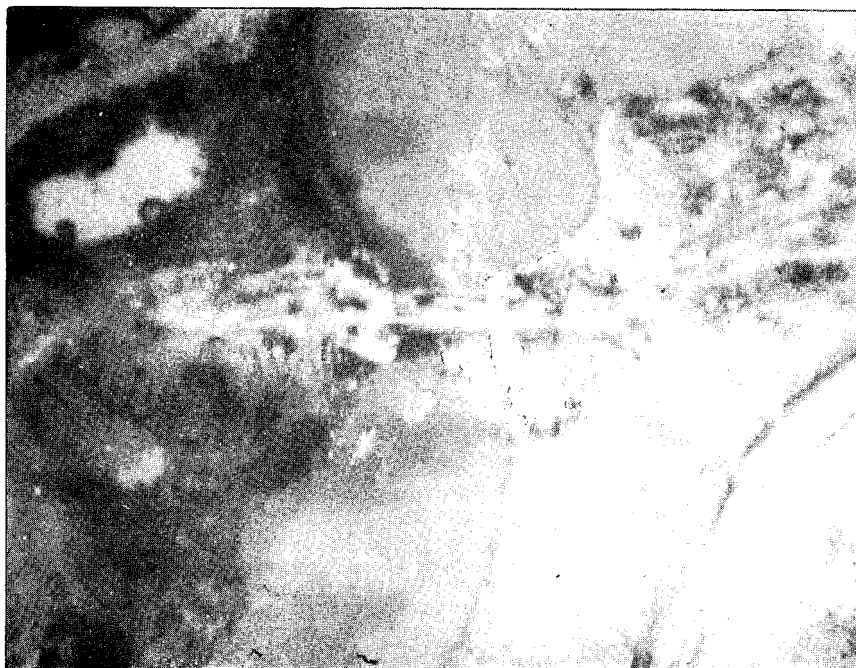
## STATUS:

Spans destroyed; original bridge has a possible false decking made of fabric.

## COMPENSATIVE ACTION:

Bridge replaced by a 3-span by-pass bridge measuring approximately 

25X1

25X1 **CONFIDENTIAL**



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## CIA IMAGERY ANALYSIS DIVISION

NAME Dong Phong Thuong RR. Bridge  
By-Pass No. 1  
Bridge No. 6 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 58N - 105 51E  
WH 890090

25X1

MAP JOG (A) 1501 NE 48-3

BRIEF NO:  
PIB 75301  
November 1966

LOCATION: 0.4 nm E of Na Thon on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 425' approx.

MATERIAL Timber

WIDTH

NO. OF SPANS 15

TYPE

Deck-beam supported by  
lattice towers

LENGTH OF EACH SPAN

25X1

25X1

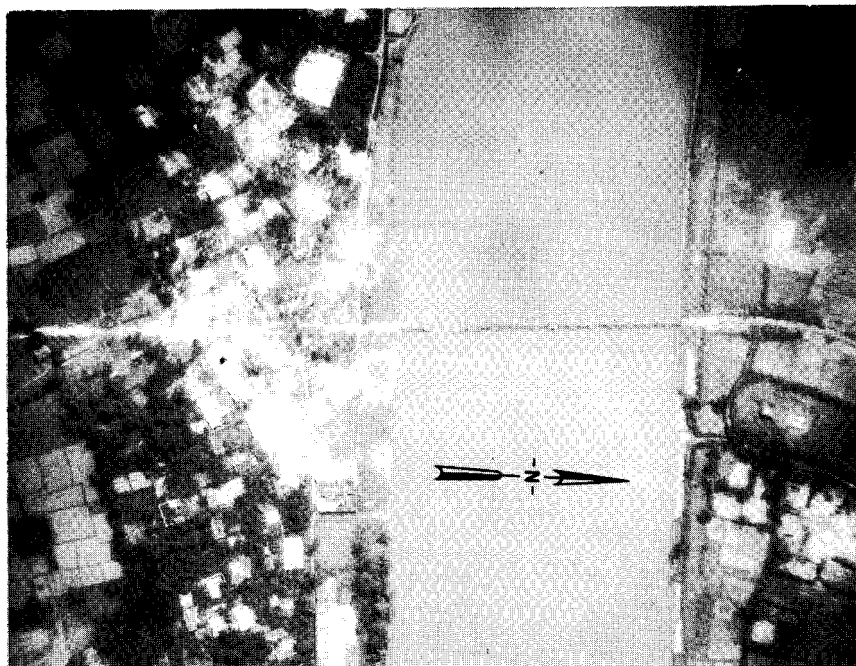
## STATUS:

Bridge is under reconstruction and approaching completion. Two moveable bridge sections will be placed across the empty spans by a crane (on a short spur to the north of the bridge) when the bridge is complete. The south

## COMPENSATIVE ACTION:

approach is interdicted.

3 other bridges are unserviceable.

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## CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

|                                                                                                                                                                                                      |                              |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| NAME Ban Pa Huone Hwy. Bridge over<br>Nam Meuk <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span><br>Bridge No. 2 on NF 48-9 | COUNTRY<br><br>North Vietnam | COORDINATES<br>21 48N - 103 18E<br>VK 247118 |
| MAP JOG (A) 1501 NF 48-9                                                                                                                                                                             |                              | BRIEF NO:<br>PIB 75302<br>November 1966      |

LOCATION: 0.6 nm S of Ban Pa Huone on Route 6.

## DESCRIPTION:

LENGTH 200' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Steel and concrete

NO. OF SPANS 4

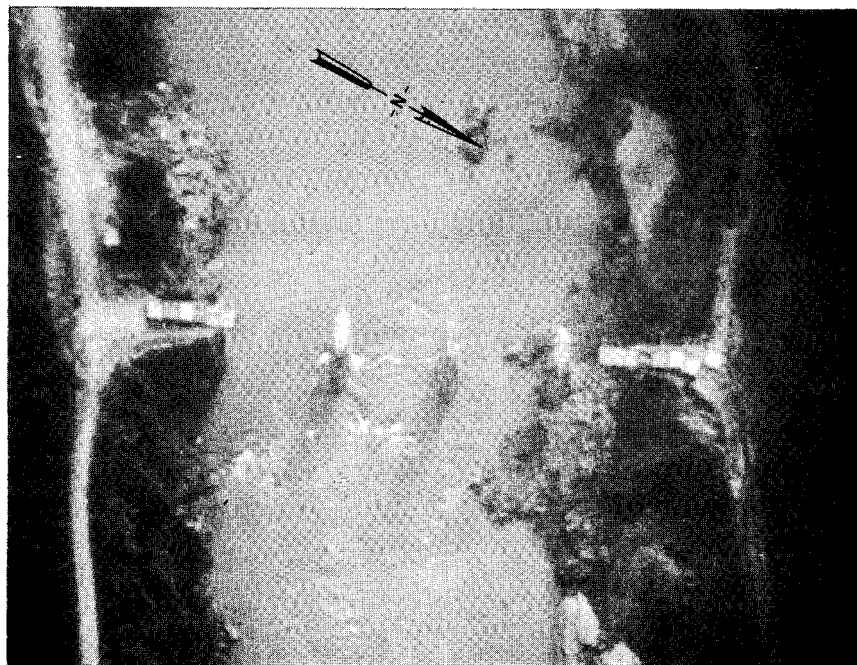
LENGTH OF EACH SPAN 1 @ 70' approx., 2 @ 50' approx.  
1 @ 30' approx.

## STATUS:

Original bridge destroyed; suspension cables have been strung to support  
moveable deck sections; bridge now serviceable.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Xom Ca Trang Hwy. Bridge over COUNTRY COORDINATES  
Nam Quat [REDACTED] 17 57N - 105 48E  
Bridge No. 17 on NE 48-11 North Vietnam WE 861859

25X1 [REDACTED] BRIEF NO:  
PIB 75303  
November 1966

MAP JOG (A) 1501 NE 48-11

LOCATION: 0.8 nm NW of Xom Ca Trang on Route 15.

## DESCRIPTION:

25X1 LENGTH 190' approx. MATERIAL Concrete and steel  
WIDTH [REDACTED] NO. OF SPANS 2 probable  
TYPE Deck LENGTH OF EACH SPAN 95' approx.

## STATUS:

Bridge unserviceable - both approaches interdicted and east abutment twisted.

## COMPENSATIVE ACTION:

Ford

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |        |                           |               |                               |
|------|--------|---------------------------|---------------|-------------------------------|
| 25X1 | NAME   | Tuan Quan RR. Bridge over | COUNTRY       | COORDINATES                   |
|      | stream | [REDACTED]                | North Vietnam | 21 42N - 104 54E<br>VJ 903995 |
| 25X1 |        | Bridge No. 22 on NF 48-10 |               |                               |
|      |        |                           |               | BRIEF NO:                     |
|      |        |                           |               | PIB 75304                     |
|      | MAP    | JOG (A) 1501 NF 48-10     |               | November 1966                 |

LOCATION: 0.2 nm SE of Tuan Quan on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|        |                            |                     |             |
|--------|----------------------------|---------------------|-------------|
| LENGTH | 65' approx.                | MATERIAL            | Steel       |
| WIDTH  | 10' approx. (Single track) | NO. OF SPANS        | 1           |
| TYPE   | Half-through truss         | LENGTH OF EACH SPAN | 65' approx. |

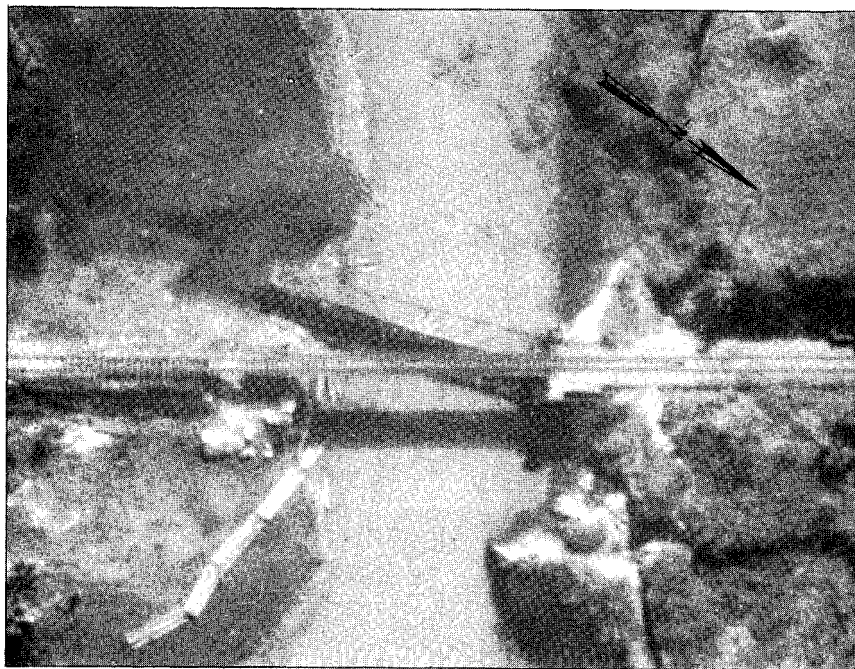
## STATUS:

Span dropped; 1 abutment destroyed.

## COMPENSATIVE ACTION:

Replaced by a 90' (approx.), single span, probable half-through truss, steel bridge.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

NAME Tuan Quan RR. Bridge over  
stream   
Bridge No. 22 on NF 48-10

COUNTRY  
North Vietnam

COORDINATES  
21 42N - 104 54E  
VJ 903995

MAP JOG (A) 1501 NF 48-10

BRIEF NO:  
PIB 75305  
November 1966

LOCATION: 0.2 nm SE of Tuan Quan on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

LENGTH 65' approx.  
WIDTH 10' approx. (Single track)  
TYPE Half-through truss

MATERIAL Steel  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 65' approx.

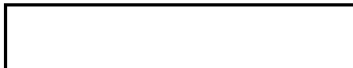
## STATUS:

Pre-strike

## COMPENSATIVE ACTION:

None

25X1

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25X1

NAME Dong Ca Thon RR. Bridge over  
Cai Khe [REDACTED]  
Bridge No. 48 on NE 48-11

COUNTRY  
North Vietnam

COORDINATES  
17 53N - 106 01E  
XE 078787

25X1

MAP JOG (A) 1501 NE 48-11

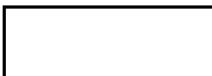
BRIEF NO:  
PIB 75306  
November 1966

LOCATION: 0.7 nm W of Dong Ca Thon on Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1

LENGTH  
WIDTH  
TYPE



(Single track)

Deck

MATERIAL Wood  
NO. OF SPANS 6  
LENGTH OF EACH SPAN



25X1

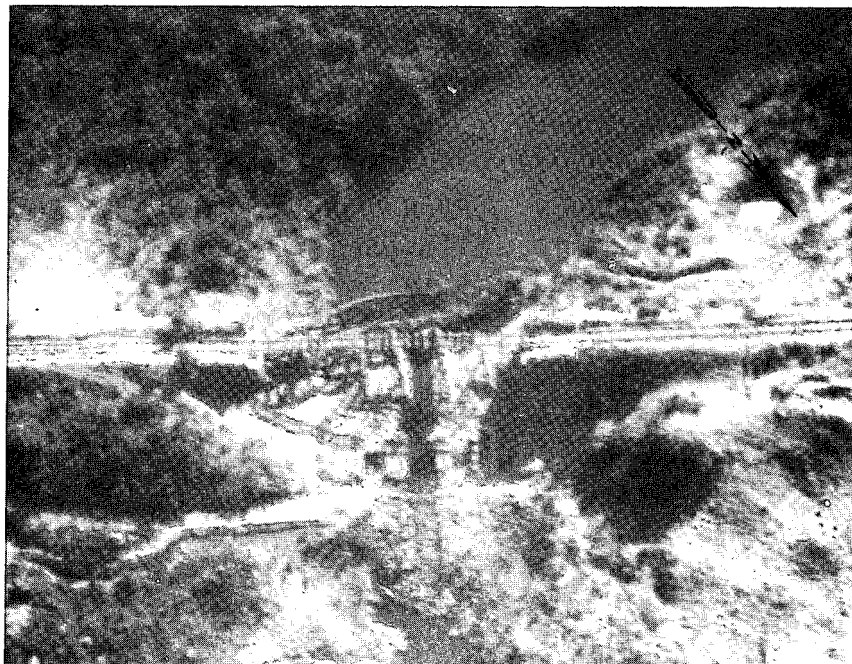
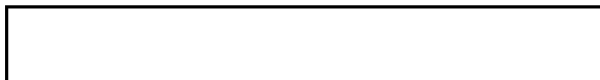
## STATUS:

Repaired and serviceable.

## COMPENSATIVE ACTION:

None

25X1

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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## CIA IMAGERY ANALYSIS DIVISION

|                                                               |                                 |                                                     |
|---------------------------------------------------------------|---------------------------------|-----------------------------------------------------|
| <b>NAME</b><br>Dao My Hwy. Bridge<br>Bridge No. 63 on NE 48-7 | <b>COUNTRY</b><br>North Vietnam | <b>COORDINATES</b><br>18 50N - 105 22E<br>WF 395833 |
| <b>MAP</b> JOG (A) 1501 NE 48-7                               |                                 | <b>BRIEF NO:</b><br>PIB 75328<br>November 1966      |

**LOCATION:** 0.5 nm NW of Dao My on Route 75.

**DESCRIPTION:**

**LENGTH** 170' approx.  
**WIDTH**   
**TYPE** Half-through truss

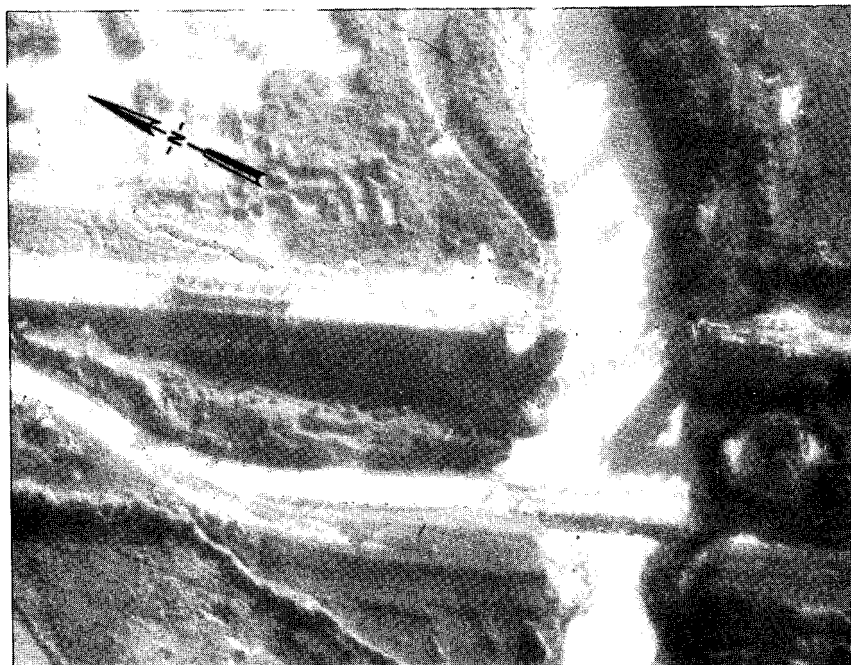
**MATERIAL** Steel and concrete  
**NO. OF SPANS** 3  
**LENGTH OF EACH SPAN** 2 @ 50' approx.  
 1 @ 70' approx.

**STATUS:**

Bridge is serviceable. Dummy collapsed span composed of garnished netting dropped from 1 pier. Half-through truss section on NW approach to bridge.

**COMPENSATIVE ACTION:**

Dummy bridge SW of main bridge and ford adjacent to main bridge.

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## CIA IMAGERY ANALYSIS DIVISION

|      |                          |                                                                |         |               |                            |                               |
|------|--------------------------|----------------------------------------------------------------|---------|---------------|----------------------------|-------------------------------|
| 25X1 | NAME                     | Ha Tinh Hwy. Bridge over<br>Song Chau Lam <input type="text"/> | COUNTRY | North Vietnam | COORDINATES                | 18 21N - 105 52E<br>WF 922303 |
|      |                          | Bridge No. 27 on NE 48-7                                       |         |               |                            |                               |
| 25X1 | <input type="text"/>     |                                                                |         |               | BRIEF NO:                  |                               |
|      | MAP JOG (A) 1501 NE 48-7 |                                                                |         |               | PIB 75329<br>November 1966 |                               |

LOCATION: 0.4 nm SE of Ngoc Dien on Route 1A.

## DESCRIPTION:

|      |        |                      |                     |             |
|------|--------|----------------------|---------------------|-------------|
| 25X1 | LENGTH | 80' approx.          | MATERIAL            | Wood        |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 4           |
|      | TYPE   | Deck                 | LENGTH OF EACH SPAN | 20' approx. |

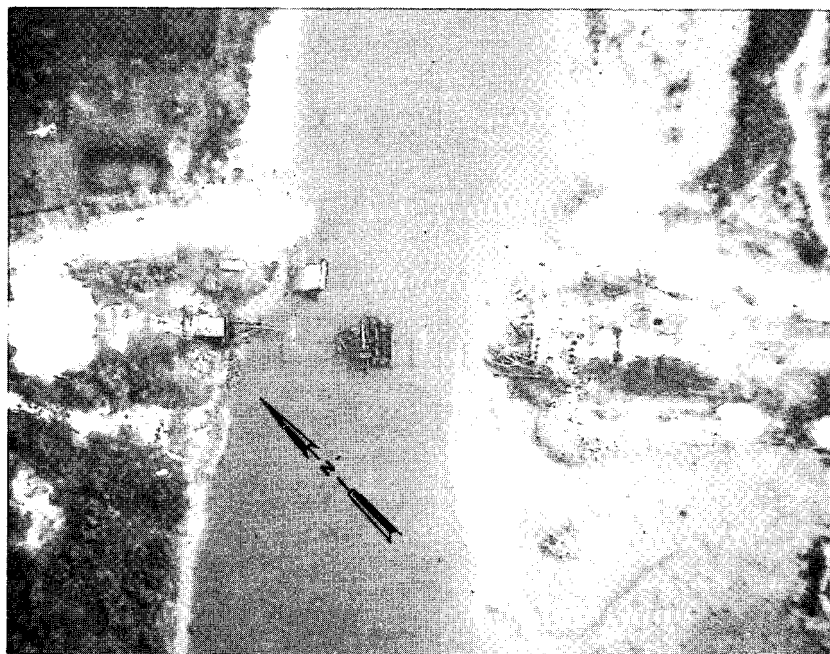
## STATUS:

Spans and piers destroyed; bridge replaced by cable bridge.

## COMPENSATIVE ACTION:

Possible pontoon bridge SSW of main bridge.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |           |                                                             |         |               |             |                               |
|------|-----------|-------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME      | Tho Son Hwy. Bridge over<br>Song Nghen <input type="text"/> | COUNTRY |               | COORDINATES | 18 27N - 105 46E<br>WF 820405 |
|      |           | Bridge No. 17 on NE 48-7                                    |         | North Vietnam |             |                               |
| 25X1 |           |                                                             |         |               |             | BRIEF NO:                     |
|      |           |                                                             |         |               |             | PIB 75330<br>November 1966    |
|      | MAP       | JOG (A) 1501 NE 48-7                                        |         |               |             |                               |
|      | LOCATION: | 0.8 nm NW of Gia La on Route 1A.                            |         |               |             |                               |

## DESCRIPTION:

|      |        |                      |                     |                                    |
|------|--------|----------------------|---------------------|------------------------------------|
| 25X1 | LENGTH | 220' approx.         | MATERIAL            | Wood                               |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 7                                  |
|      | TYPE   | Deck                 | LENGTH OF EACH SPAN | 5 @ 40' approx.<br>2 @ 10' approx. |

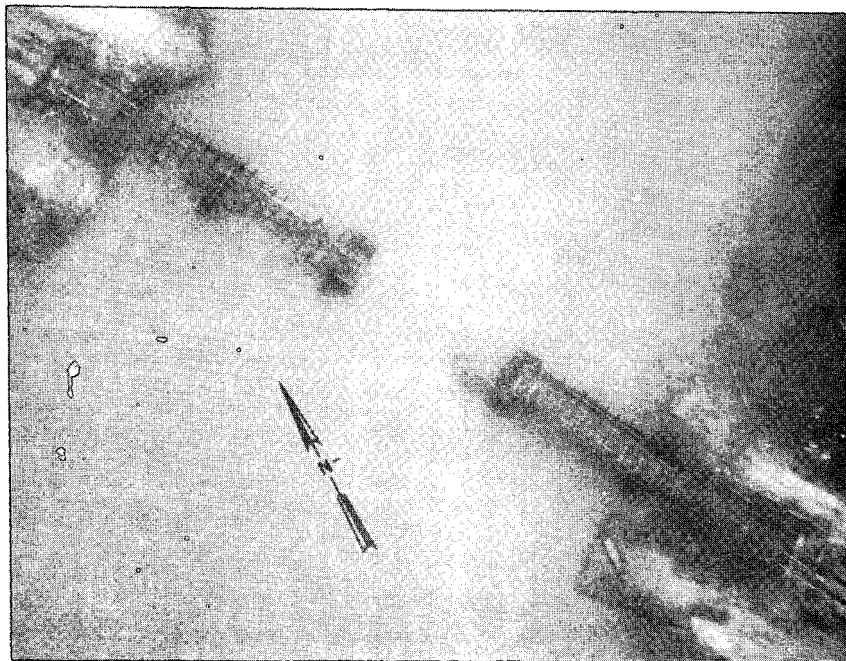
## STATUS:

Bridge has been converted into a cable bridge and is possibly serviceable;  
no deck sections observed.

## COMPENSATIVE ACTION:

By-pass bridge under construction E of main bridge.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |                          |                             |               |                               |
|------|--------------------------|-----------------------------|---------------|-------------------------------|
| 25X1 | NAME                     | Lang Trang Hwy. Bridge over | COUNTRY       | COORDINATES                   |
|      | Ngot Khe                 |                             | North Vietnam | 22 08N - 104 58E<br>VK 888622 |
| 25X1 | Bridge No. 11 on NF 48-6 |                             |               | BRIEF NO:                     |
|      | MAP JOG (A) 1501 NF 48-6 |                             |               | PIB 75331<br>October 1966     |

LOCATION: 0.5 nm N of Lang Trang on Route 2.

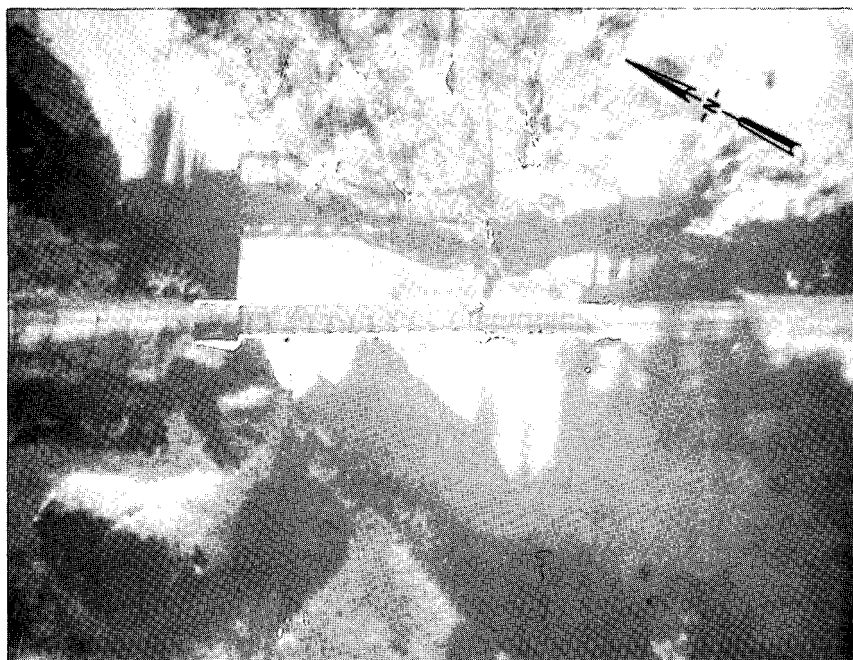
## DESCRIPTION:

|         |                                                   |                     |                            |      |
|---------|---------------------------------------------------|---------------------|----------------------------|------|
| LENGTH  | 210' approx.                                      | MATERIAL            | Steel, concrete, wood      |      |
| WIDTH   | 10' approx.                                       | NO. OF SPANS        | 3                          |      |
| TYPE    | Combination deck/half-through truss/through truss | LENGTH OF EACH SPAN | Deck span and half-through | 25X1 |
|         |                                                   | truss spans         | approx., through truss     |      |
| STATUS: | bridge.                                           | span                | approx.                    | 25X1 |
|         |                                                   |                     |                            |      |

Destroyed deck span has been replaced; bridge is serviceable.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

## NAME

Tu My RR. Bridge  
Bridge No. 89 on NE 48-7

## COUNTRY

North Vietnam

## COORDINATES

18 59N - 105 34E  
WG 611001

## BRIEF NO:

PIB 75332  
November 1966

## MAP

JOG (A) 1501 NE 48-7

LOCATION: 0.1 nm E of Tu My on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

## LENGTH

60' approx.

## WIDTH

10' approx. (Single track)

## TYPE

Deck-beam

MATERIAL Probable steel and concrete

NO. OF SPANS 2 probable

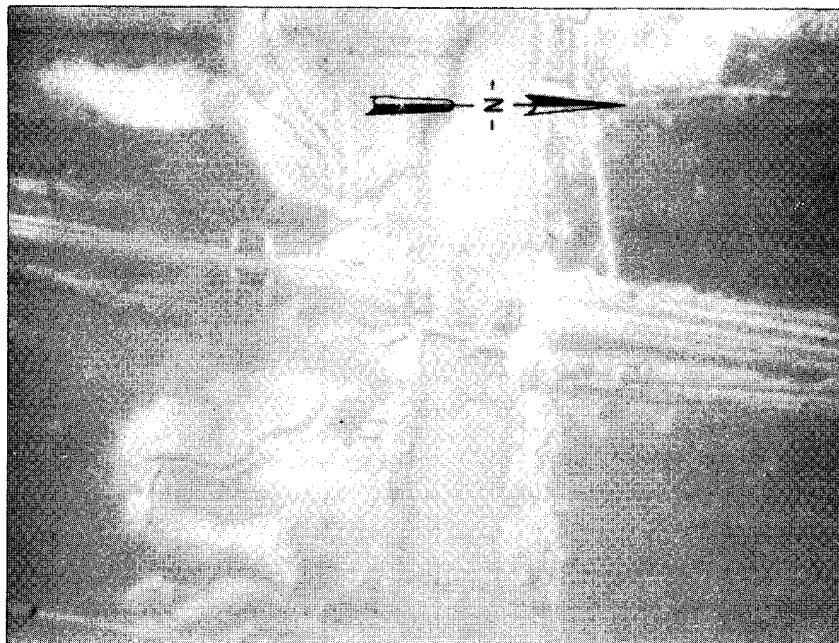
LENGTH OF EACH SPAN 30' approx.

## STATUS:

Bridge completely destroyed.

## COMPENSATIVE ACTION:

Reconstruction of original bridge and construction of a by-pass bridge underway.



25X1

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Excluded from automatic  
downgrading and  
declassification

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## CIA IMAGERY ANALYSIS DIVISION

|      |                                                                          |                              |                                              |
|------|--------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| 25X1 | NAME Ban Pai Chieng Hwy. Bridge<br>[redacted]<br>Bridge No. 4 on NE 48-2 | COUNTRY<br><br>North Vietnam | COORDINATES<br>19 02N - 104 54E<br>VG 907047 |
| 25X1 | [redacted]                                                               |                              | BRIEF NO:<br>PIB 75333<br>November 1966      |
|      | MAP JOG (A) 1501 NE 48-2                                                 |                              |                                              |
|      | LOCATION: 0.2 nm SW of Con Cuong on Route 7.                             |                              |                                              |

## DESCRIPTION:

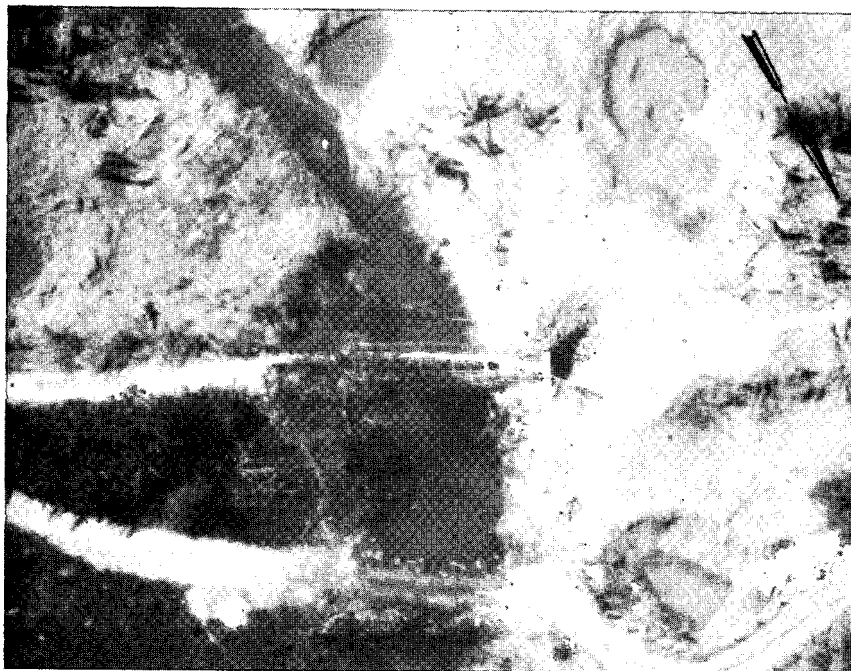
|      |                    |                                 |
|------|--------------------|---------------------------------|
| 25X1 | LENGTH 70' approx. | MATERIAL Steel                  |
|      | WIDTH [redacted]   | NO. OF SPANS 1                  |
|      | TYPE Through-truss | LENGTH OF EACH SPAN 70' approx. |

## STATUS:

1 abutment severely damaged; 1 end of span severely damaged.

## COMPENSATIVE ACTION:

Planks laid across top of damaged truss for foot traffic; ford.

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Khe Thi Hwy. Bridge over  
Song Yen   
Bridge No. 55 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 37N - 105 39E  
WG 685699

25X1

MAP JOG (A) 1501 NE 48-3

BRIEF NO:  
PIB 75334  
November 1966

LOCATION: At An Trach (1) on Route 704.

## DESCRIPTION:

LENGTH 100' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Timber and concrete  
NO. OF SPANS 6  
LENGTH OF EACH SPAN 4 @ 15' approx.  
2 @ 20' approx.

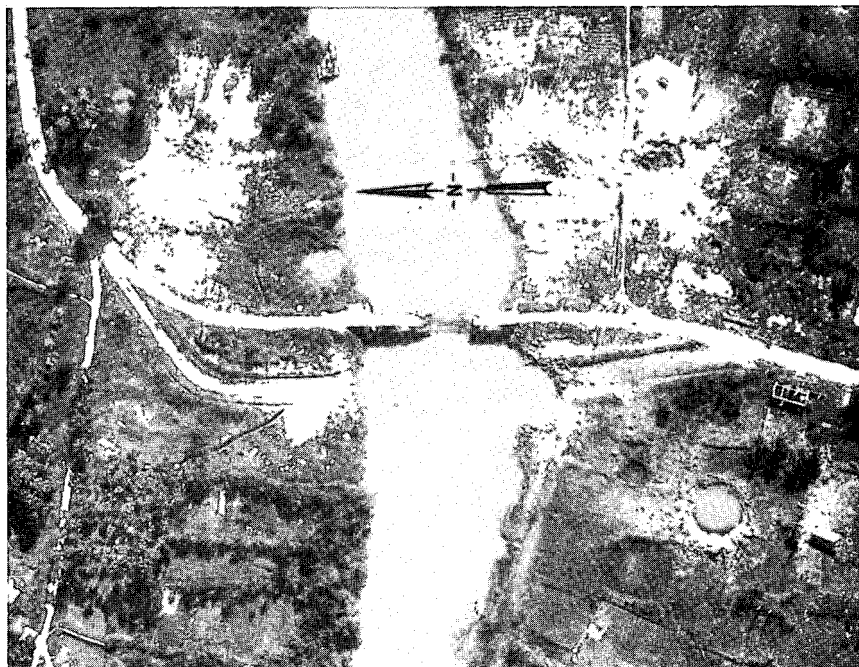
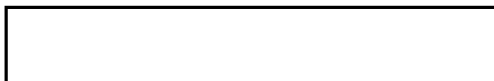
## STATUS:

Two spans destroyed; one pier destroyed.

## COMPENSATIVE ACTION:

Existing ferry and pontoon bridge.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                       |         |               |             |                               |
|------|------|---------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Pho Hop RR. Bridge over<br>Ngon Hop <input type="text"/><br>Bridge No. 26 on NF 48-10 | COUNTRY | North Vietnam | COORDINATES | 21 49N - 104 45E<br>VK 752127 |
|      | 25X1 | <input type="text"/>                                                                  |         |               | BRIEF NO:   | PIB 75335<br>November 1966    |
| MAP  |      | JOG (A) 1501 NF 48-10                                                                 |         |               |             |                               |

LOCATION: 1.1 nm SW of Lang Gat on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|      |        |                             |                     |                                    |
|------|--------|-----------------------------|---------------------|------------------------------------|
| 25X1 | LENGTH | 90' approx.                 | MATERIAL            | Wood                               |
|      | WIDTH  | <input type="text"/>        | NO. OF SPANS        | 3                                  |
|      | TYPE   | (Single track)<br>Deck-beam | LENGTH OF EACH SPAN | 2 @ 40' approx.<br>1 @ 10' approx. |

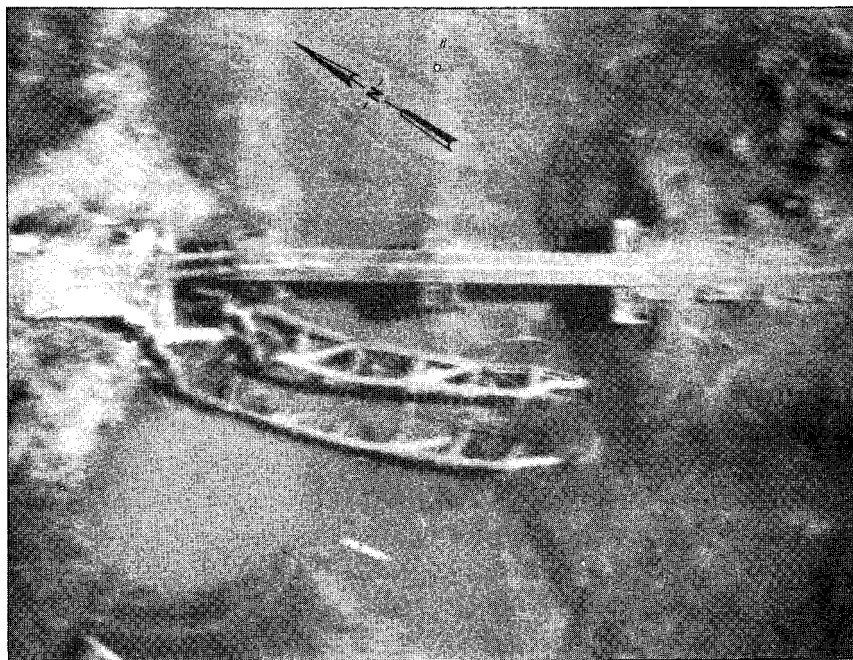
## STATUS:

One 10' span damaged; bridge presently being repaired.

## COMPENSATIVE ACTION:

None

25X1

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## CIA IMAGERY ANALYSIS DIVISION

| NAME                                           | COUNTRY       | COORDINATES                             |
|------------------------------------------------|---------------|-----------------------------------------|
| Ham Yen Hwy. Bridge<br>Bridge No. 4 on NF 48-7 | North Vietnam | 22 03N - 105 02E<br>WK 036399           |
| [REDACTED]                                     |               | BRIEF NO:<br>PIB 75336<br>November 1966 |
| MAP JOG (A) 1501 NF 48-7                       |               |                                         |

LOCATION: 0.2 nm SW of Ham Yen.

## DESCRIPTION:

LENGTH 75' approx.  
WIDTH [REDACTED]  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 5  
LENGTH OF EACH SPAN 15' approx.

## STATUS:

Decking completely removed; probable damage to piers and abutments.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                         |         |               |             |                               |
|------|------|---------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Ham Yen Hwy. Bridge over<br>stream <input type="text"/> | COUNTRY | North Vietnam | COORDINATES | 22 03N - 105 02E<br>WK 039402 |
|      |      | Bridge No. 1 on NF 48-7                                 |         |               |             |                               |
| 25X1 |      |                                                         |         |               | BRIEF NO:   |                               |
|      |      |                                                         |         |               | PIB 75337   | November 1966                 |
|      | MAP  | JOG (A) 1501 NF 48-7                                    |         |               |             |                               |

LOCATION: 0.1 nm S of Ham Yen on Route 2.

## DESCRIPTION:

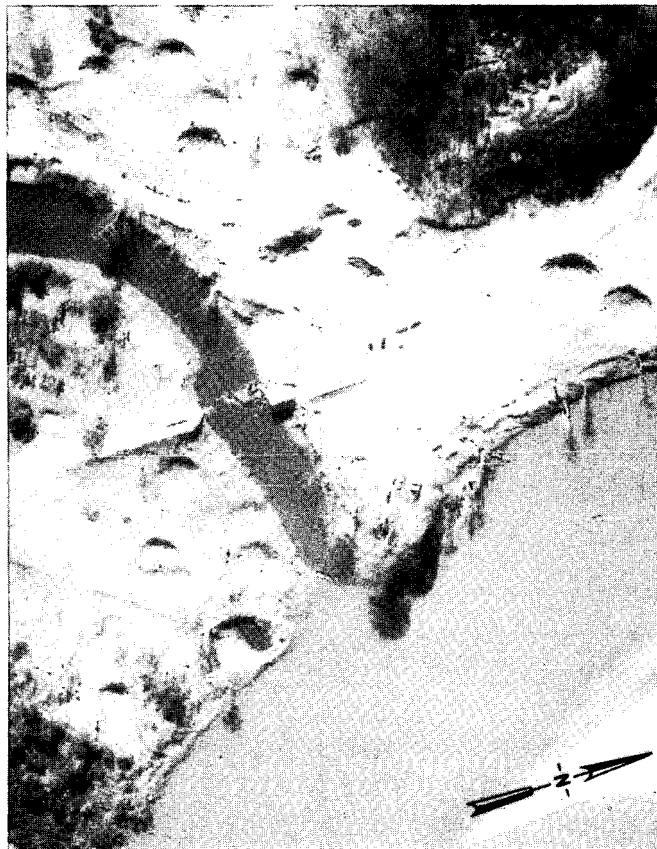
|      |        |                      |                     |             |
|------|--------|----------------------|---------------------|-------------|
| 25X1 | LENGTH | 75' approx.          | MATERIAL            | Wood        |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 5 probable  |
|      | TYPE   | Deck                 | LENGTH OF EACH SPAN | 15' approx. |

## STATUS:

Deck and piers completely destroyed; minor damage to abutments.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                         |         |               |             |                               |
|------|------|---------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Khe Se RR. Bridge S over<br>stream <input type="text"/> | COUNTRY |               | COORDINATES | 22 09N - 104 33E<br>VK 538330 |
|      |      | Bridge No. 6 on NF 48-6                                 |         | North Vietnam |             |                               |
| 25X1 |      |                                                         |         |               | BRIEF NO:   |                               |
|      |      |                                                         |         |               |             | PIB 75338<br>November 1966    |
|      | MAP  | JOG (A) 1501 NF 48-6                                    |         |               |             |                               |

LOCATION: 0.5 nm SE of Khe Se on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|      |        |                      |                     |                    |
|------|--------|----------------------|---------------------|--------------------|
| 25X1 | LENGTH | 75' approx.          | MATERIAL            | Steel and concrete |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 1                  |
|      | TYPE   | Half-through truss   | LENGTH OF EACH SPAN | 75' approx.        |

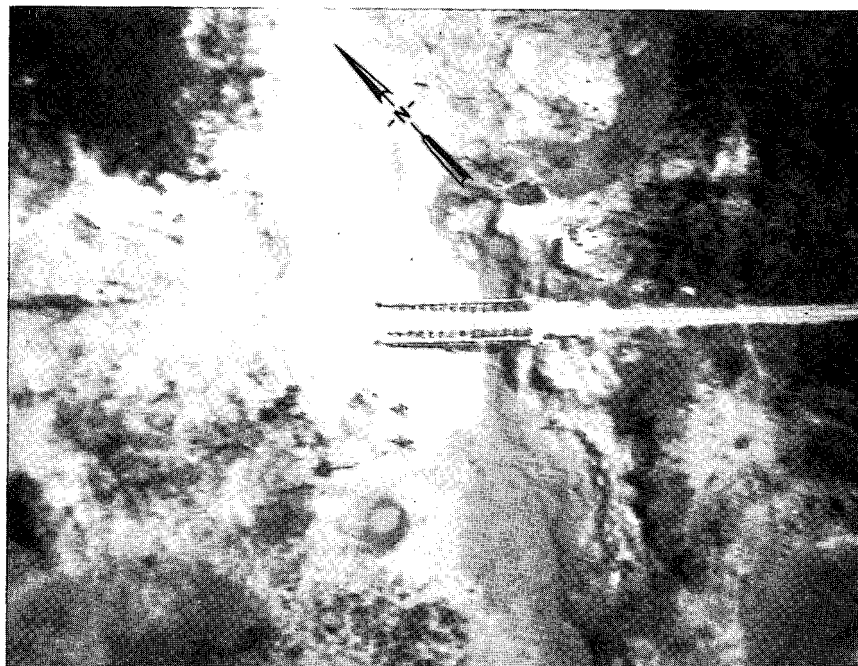
## STATUS:

North abutment destroyed; span dropped.

## COMPENSATIVE ACTION:

None

25X1

**CONFIDENTIAL**

GROUP 1  
Excluded from automatic  
downgrading and declassification

**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Qui Vinh RR. Br. No. 2 over  
Song Hoang Mai [REDACTED]  
Bridge No. 1 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 15N - 105 41E  
WG 720302

25X1 MAP JOG (A) 1501 NE 48-3

BRIEF NO:  
PIB 75339  
November 1966

LOCATION: 0.4 nm W of Qui Vinh on the Hanoi/Vinh Rail Line.

## DESCRIPTION:

25X1 LENGTH 200' approx.  
WIDTH [REDACTED] (Single track)  
TYPE Trestle

MATERIAL Timber  
NO. OF SPANS [REDACTED]  
LENGTH OF EACH [REDACTED]

25X1

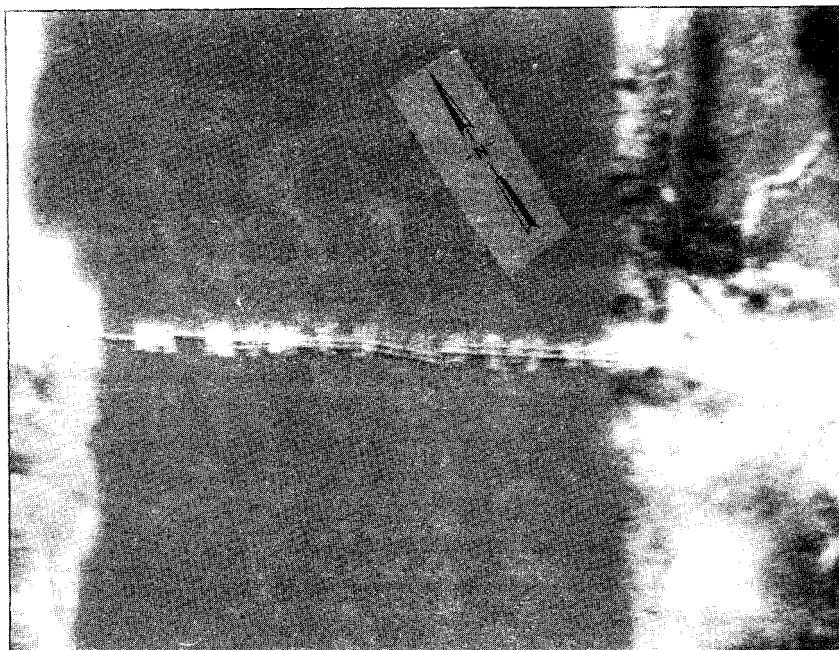
## STATUS:

Decking heavily damaged.

## COMPENSATIVE ACTION:

Bridge currently undergoing repair; both of the alternate bridges are currently unserviceable.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|                                                           |      |                                                                          |         |               |             |                               |
|-----------------------------------------------------------|------|--------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1                                                      | NAME | Khe Se RR. Bridge S over<br>stream [redacted]<br>Bridge No. 6 on NF 48-6 | COUNTRY | North Vietnam | COORDINATES | 22 09N - 104 33E<br>VK 538330 |
|                                                           | 25X1 | [redacted]                                                               |         |               | BRIEF NO:   | PIB 75340<br>November 1966    |
| MAP                                                       |      | JOG (A) 1501 NF 48-6                                                     |         |               |             |                               |
| LOCATION: 0.5 nm SE of Khe Se on Hanoi/Lao Cai Rail Line. |      |                                                                          |         |               |             |                               |

## DESCRIPTION:

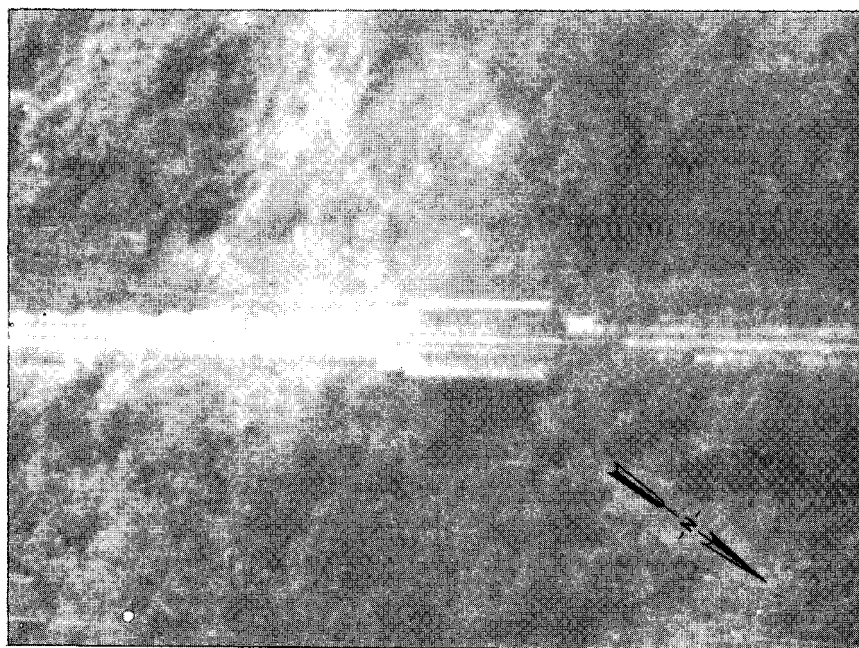
|      |        |                    |                     |                    |
|------|--------|--------------------|---------------------|--------------------|
| 25X1 | LENGTH | 75' approx.        | MATERIAL            | Steel and concrete |
|      | WIDTH  | [redacted]         | NO. OF SPANS        | 1                  |
|      | TYPE   | Half-through truss | LENGTH OF EACH SPAN | 75' approx.        |

## STATUS:

Pre-strike

## COMPENSATIVE ACTION:

25X1 [redacted]

~~CONFIDENTIAL~~

**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Lang Khay RR. Bridge over

COUNTRY

COORDINATES

Ngoi Kay

22 01N - 104 31E

Bridge No. 8 on NF 48-6

North Vietnam

VK 509359

25X1

BRIEF NO:

PTB 75341

November 1966

MAP JOG (A) 1501 NF 48-6

LOCATION: 1.6 nm NW of Khe Se on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

LENGTH

135' approx.

MATERIAL Wood and concrete

WIDTH

NO. OF SPANS 3

25X1

TYPE

Deck

(Single track)

LENGTH OF EACH SPAN

1 @ 90' approx.

1 @ 30' approx.

1 @ 15' approx.

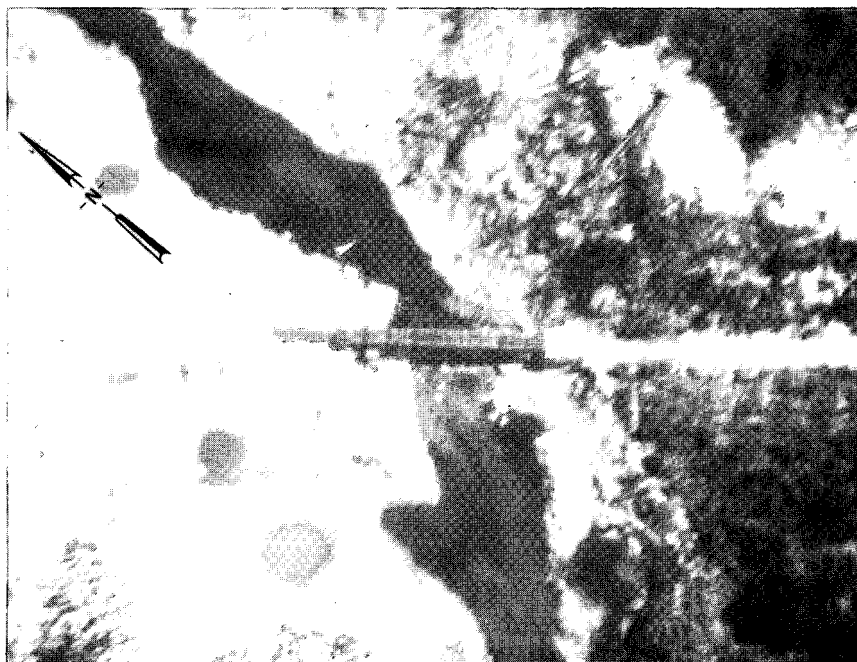
## STATUS:

Bridge repaired and serviceable.

## COMPENSATIVE ACTION:

None

25X1



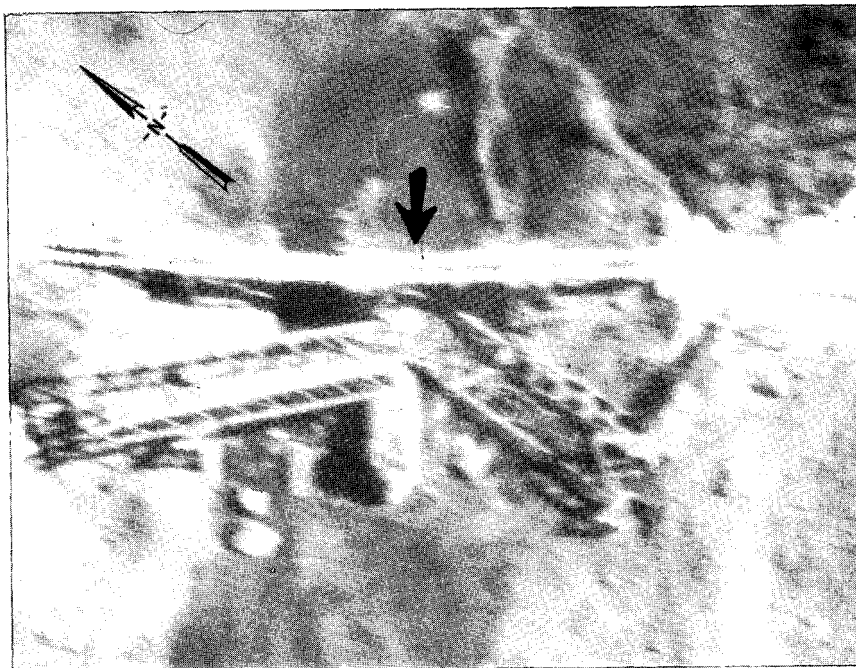
25X1

**CONFIDENTIAL**GROUP 1  
Excluded from automatic  
downgrading and declassification

**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

|                                                                           |                                                                                           |                |                                         |                                              |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------|-----------------------------------------|----------------------------------------------|
| 25X1                                                                      | NAME Lang Bun RR. Bridge over<br>Ngoi Bun <input type="text"/><br>Bridge No. 1 on NF 48-6 |                | COUNTRY<br><br>North Vietnam            | COORDINATES<br>22 09N - 104 23E<br>VK 368493 |
|                                                                           | 25X1 <input type="text"/>                                                                 |                | BRIEF NO:<br>PIB 75342<br>November 1966 |                                              |
| MAP AMS L509 NF 48-6                                                      |                                                                                           |                |                                         |                                              |
| LOCATION: 0.1 nm NW of Lang Bun on the Hanoi/Lao Cai Rail Line.           |                                                                                           |                |                                         |                                              |
| DESCRIPTION:                                                              |                                                                                           |                |                                         |                                              |
| 25X1                                                                      | LENGTH <input type="text"/>                                                               | MATERIAL Wood  | <input type="text"/>                    | 25X1                                         |
|                                                                           | WIDTH <input type="text"/>                                                                | NO. OF SPANS 8 |                                         |                                              |
| TYPE Deck-beam with lattice towers                                        |                                                                                           |                |                                         |                                              |
| STATUS:<br>Deck damaged/destroyed and subsequently totally dismantled.    |                                                                                           |                |                                         |                                              |
| COMPENSATIVE ACTION:<br>Replacement deck in final stages of construction. |                                                                                           |                |                                         |                                              |
| 25X1                                                                      | <input type="text"/>                                                                      |                |                                         |                                              |



25X1

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Dien Chau RR. Bridge over

COUNTRY

COORDINATES

Song Bang

North Vietnam

18 58N - 105 35E

Bridge No. 6 on NE 48-7

WF 613978

25X1

BRIEF NO:

PIB 75343

MAP JOG (A) 1501 NE 48-7

November 1966

LOCATION: 1.6 nm SW of Phu Dien Chau on the Hanoi/Vinh Rail Line.

## DESCRIPTION:

LENGTH

380' approx.

MATERIAL Steel, concrete, wood

WIDTH

20' approx.

NO. OF SPANS 8 (3 original and 5 temporary spans)

TYPE

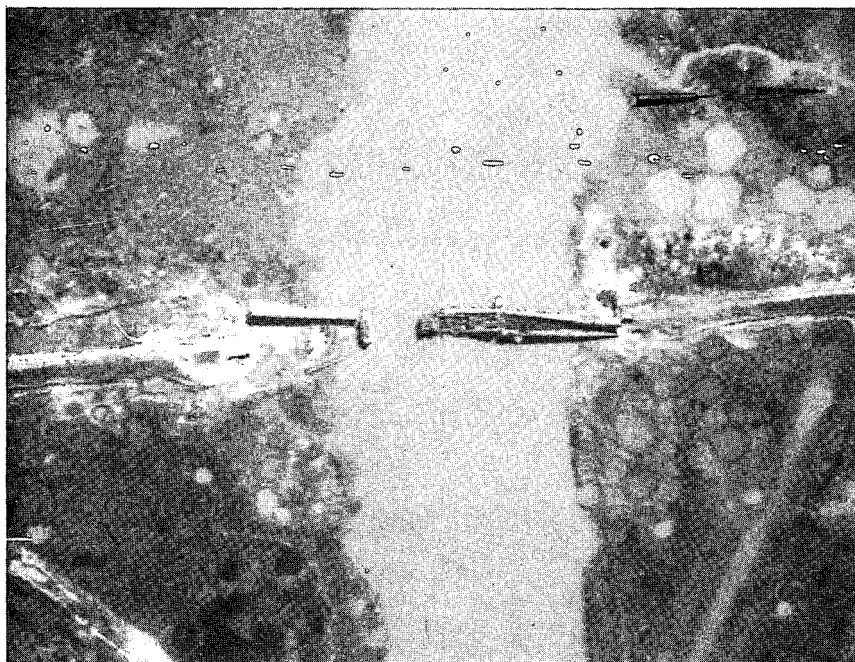
Combination half-through  
truss and deck-beamLENGTH OF EACH SPAN 1 @ 130' approx., 2 @ 50' approx.  
6 @ 25' approx.

## STATUS:

3 original half-through truss spans dropped; 5 temporary spans destroyed;  
4 temporary piers destroyed; original piers and abutments intact.

## COMPENSATIVE ACTION:

Unserviceable by-pass bridge.

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GROUP 1

Excluded from automatic  
downgrading and declassification

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## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Long Ngoc RR. and Hwy. Bridge over unknown barrier [REDACTED] COUNTRY North Vietnam COORDINATES 19 05N - 105 35E  
WG 628112

25X1 Bridge No. 19 on NE 48-3 [REDACTED] MAP JOG (A) 1501 NE 48-3 BRIEF NO: PIB 75344  
November 1966

LOCATION: 0.5 nm SW of Xom Con Thanh on Hanoi/Vinh Rail Line.

## DESCRIPTION:

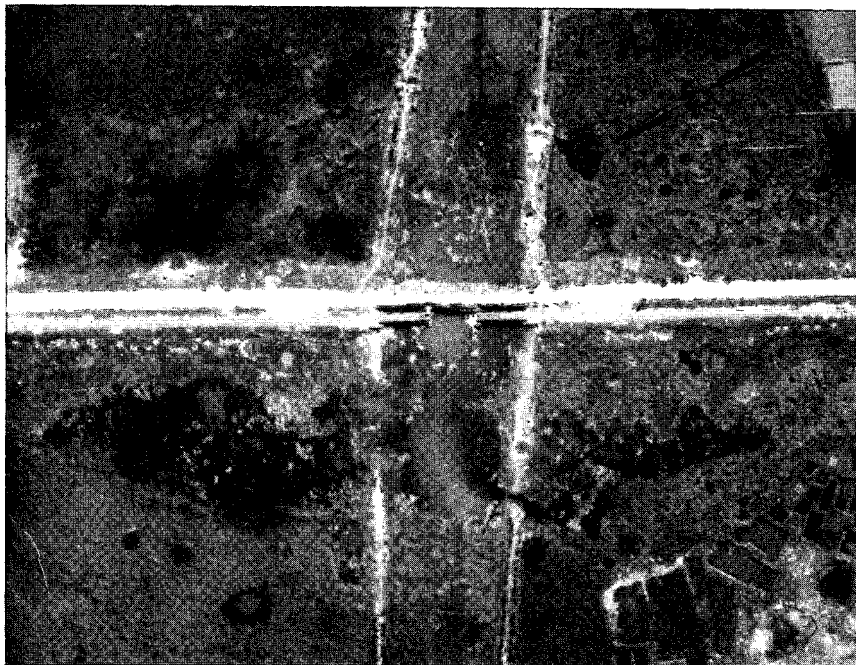
25X1 LENGTH 120' approx. MATERIAL Concrete probable  
WIDTH [REDACTED] (Single track) NO. OF SPANS 3  
TYPE Deck LENGTH OF EACH SPAN 40' approx.

## STATUS:

1 span destroyed.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

|                                                                                                                                                                                                        |                              |                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| NAME Yen Xa RR. and Hwy. Bridge<br>over stream <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span><br>Bridge No. 12 on NF 48-15 | COUNTRY<br><br>North Vietnam | COORDINATES<br><br>20 02N - 105 51E<br>WH 888165 |
| MAP JOG (A) 1501 NF 48-15                                                                                                                                                                              |                              | BRIEF NO:<br>PIB 75345<br>November 1966          |

LOCATION: 1.3 nm S of Bien Son on Hanoi/Vinh Rail Line and Route 1A.

## DESCRIPTION:

|        |                            |                     |                    |
|--------|----------------------------|---------------------|--------------------|
| LENGTH | 55' approx.                | MATERIAL            | Steel and concrete |
| WIDTH  | 15' approx. (Single track) | NO. OF SPANS        | 1                  |
| TYPE   | Half-through truss         | LENGTH OF EACH SPAN | 55' approx.        |

## STATUS:

Decking destroyed; steel truss moderately damaged; highway portion not serviceable; rail portion serviceable for light traffic.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Chieng Dong Hwy. Bridge over  
stream   
Bridge No. 20 on NE 48-10

## COUNTRY

North Vietnam

## COORDINATES

21 06N - 104 14E  
VJ 206339

25X1

## BRIEF NO:

PIB 75346  
November 1966

MAP JOG (A) 1501 NF 48-10

LOCATION: 0.3 nm SW of Chieng Dong on Route 6.

## DESCRIPTION:

LENGTH 160' approx.  
WIDTH 20' approx.  
TYPE Deck

MATERIAL Concrete  
NO. OF SPANS 8  
LENGTH OF EACH SPAN 20' approx.

## STATUS:

4 spans moderately damaged; 2 abutments severely damaged; bridge unserviceable  
to vehicular traffic.

## COMPENSATIVE ACTION:

Ford

25X1

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|                                                |               |                               |
|------------------------------------------------|---------------|-------------------------------|
| NAME                                           | COUNTRY       | COORDINATES                   |
| Huu Lai RR. Bridge<br>Bridge No. 51 on NE 48-3 | North Vietnam | 19 22N - 105 44E<br>WG 780429 |
|                                                |               | BRIEF NO:                     |
|                                                |               | PIB 75347                     |
| MAP JOG (A) 1501 NE 48-3                       |               | November 1966                 |

LOCATION: 0.9 nm NW of Huu Lai on Hanoi/Vinh Rail Line.

## DESCRIPTION:

LENGTH 60' approx.  
 WIDTH 10' approx.  
 TYPE Deck

MATERIAL Steel and wood  
 NO. OF SPANS 1  
 LENGTH OF EACH SPAN 60' approx.

## STATUS:

Bridge destroyed.

## COMPENSATIVE ACTION:

By-pass U/C

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## CIA IMAGERY ANALYSIS DIVISION

|                                                              |                                                                     |                |                               |
|--------------------------------------------------------------|---------------------------------------------------------------------|----------------|-------------------------------|
| 25X1                                                         | <b>NAME</b> Phu Quat RR. Bridge over<br>stream <input type="text"/> | <b>COUNTRY</b> | <b>COORDINATES</b>            |
|                                                              | Bridge No. 44 on NE 48-3                                            | North Vietnam  | 19 26N - 105 45E<br>WG 796492 |
| 25X1                                                         | <input type="text"/>                                                |                | <b>BRIEF NO:</b>              |
|                                                              | <b>MAP</b> JOG (A) 1501 NE 48-3                                     |                | PIB 75348<br>November 1966    |
| <b>LOCATION:</b> 1.2 nm N of Qui My on Hanoi/Vinh Rail Line. |                                                                     |                |                               |

**DESCRIPTION:**

|      |               |                             |                            |                                    |
|------|---------------|-----------------------------|----------------------------|------------------------------------|
| 25X1 | <b>LENGTH</b> | 70' approx.                 | <b>MATERIAL</b>            | Wood                               |
|      | <b>WIDTH</b>  | <input type="text"/>        | <b>NO. OF SPANS</b>        | 4                                  |
|      | <b>TYPE</b>   | (Single track)<br>Deck-beam | <b>LENGTH OF EACH SPAN</b> | 2 @ 20' approx.<br>2 @ 15' approx. |

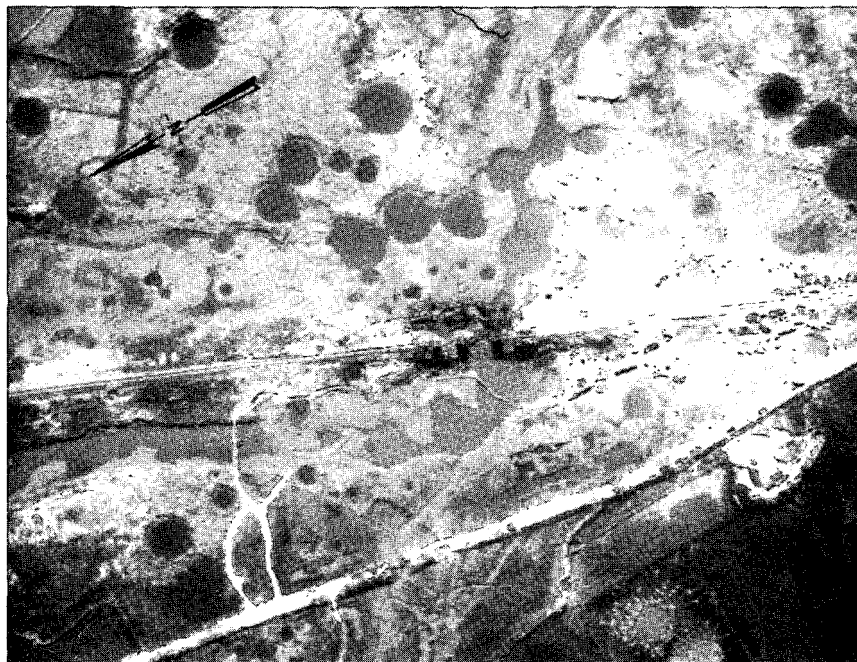
**STATUS:**

Deck of both 20' spans destroyed.

**COMPENSATIVE ACTION:**

Possible repairs underway; unserviceable by-pass bridge.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|                                                          |      |                                                                     |         |               |             |                               |
|----------------------------------------------------------|------|---------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1                                                     | NAME | Truong Quang Tien RR. By-pass<br>Bridge<br>Bridge No. 37 on NE 48-3 | COUNTRY | North Vietnam | COORDINATES | 19 37N - 105 42E<br>WG 740696 |
|                                                          | MAP  | JOG (A) 1501 NE 48-3                                                |         |               | BRIEF NO:   | PIB 75349<br>November 1966    |
| LOCATION: 2.5 nm SW of Ngoc Nhi on Hanoi/Vinh Rail Line. |      |                                                                     |         |               |             |                               |

## DESCRIPTION:

25X1

|        |             |
|--------|-------------|
| LENGTH | <div></div> |
| WIDTH  |             |
| TYPE   |             |

Deck

(Single track)

MATERIAL Wood and steel  
NO. OF SPANS 5 probable  
LENGTH OF EACH SPAN

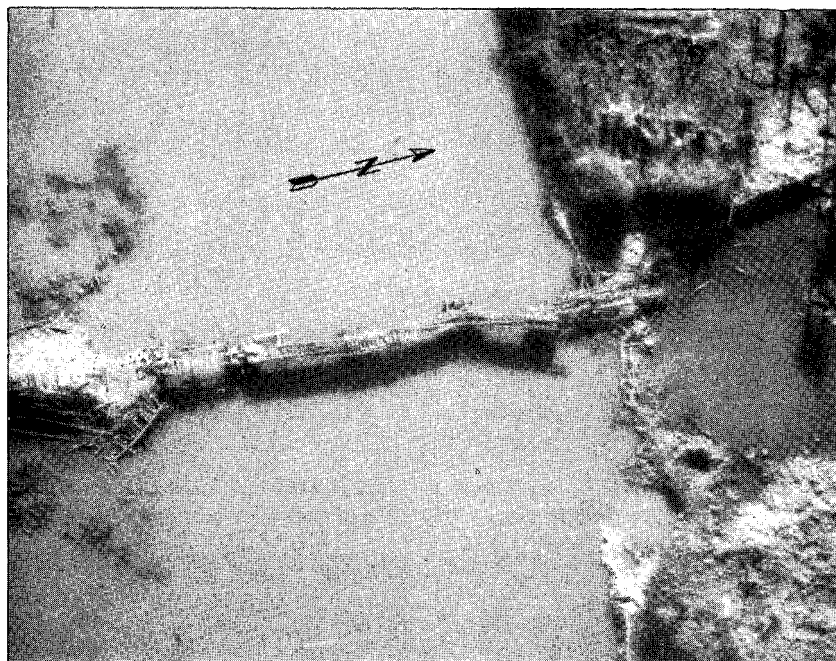
25X1

## STATUS:

3 spans dropped; 2 spans light damage; 2 piers damaged; one abutment probably destroyed; one abutment damaged; approaches interdicted.

## COMPENSATIVE ACTION:

Main bridge serviceable.

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## CIA IMAGERY ANALYSIS DIVISION

NAME Ban Ta Vay Hwy. Bridge over

COUNTRY

COORDINATES

stream [redacted]  
Bridge No. 19 on NF 48-10

North Vietnam

21 01N - 104 21E  
VJ 337257

MAP AMS 1509 NF 48-10

BRIEF NO:

PIB 75350

November 1966

LOCATION: 1.5 nm SE of Ban Sai on Route 6.

## DESCRIPTION:

LENGTH 180' approx.

MATERIAL Concrete

WIDTH [redacted]

NO. OF SPANS 4

TYPE

Deck

LENGTH OF EACH SPAN

2 @ 55' approx.

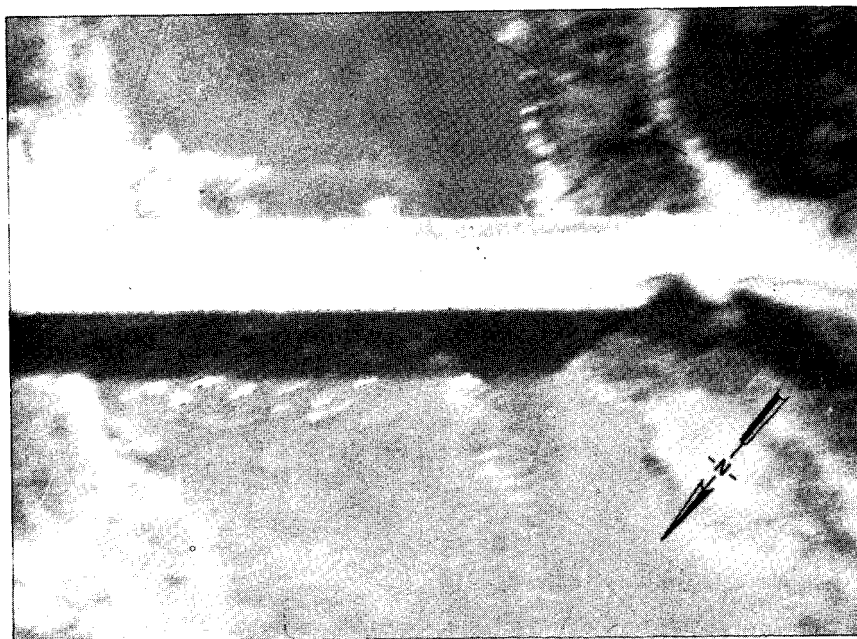
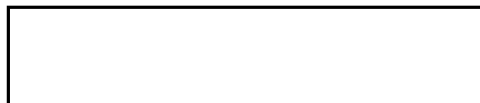
2 @ 35' approx.

## STATUS:

Abutment damaged; bridge still serviceable.

## COMPENSATIVE ACTION:

By-pass road and cable bridge.

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## CIA IMAGERY ANALYSIS DIVISION

|                                                               |               |                               |
|---------------------------------------------------------------|---------------|-------------------------------|
| NAME                                                          | COUNTRY       | COORDINATES                   |
| Ha Thon RR. By-pass Bridge No. 1<br>Bridge No. 10 on NF 48-15 | North Vietnam | 20 12N - 105 58E<br>XH 013348 |
| MAP                                                           |               | BRIEF NO:                     |
| JOG (A) 1501 NF 48-15                                         |               | PIB 75351<br>November 1966    |

LOCATION: 0.8 nm SE of Vu Lam on the Hanoi/Vinh Rail Line.

## DESCRIPTION:

LENGTH 90' approx.  
WIDTH 10' approx. (Single track)  
TYPE Deck

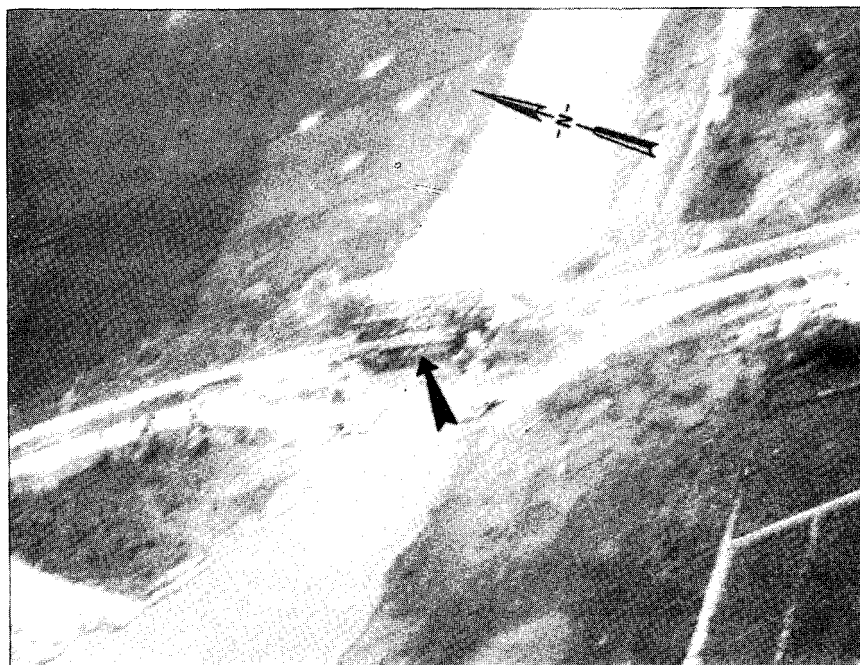
MATERIAL Timber  
NO. OF SPANS 3 approx.  
LENGTH OF EACH SPAN 2 @ 25' approx.  
1 @ 40' approx.

## STATUS:

1 span dropped.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

|      |                          |                             |               |                               |
|------|--------------------------|-----------------------------|---------------|-------------------------------|
| 25X1 | NAME                     | Phu Ly RR. Bridge over Song | COUNTRY       | COORDINATES                   |
|      | Lap                      | [REDACTED]                  | North Vietnam | 20 32N - 105 55E<br>WH 959721 |
| 25X1 | Bridge No. 9 on NF 48-15 |                             |               | BRIEF NO:                     |
|      | [REDACTED]               |                             |               | PIB 75352<br>November 1966    |
|      | MAP                      | JOG (A) 1501 NF 48-15       |               |                               |

LOCATION: 0.4 nm E of Xom Cho on the Hanoi/Vinh Rail Line.

## DESCRIPTION:

|      |        |                             |                     |                    |      |
|------|--------|-----------------------------|---------------------|--------------------|------|
| 25X1 | LENGTH | [REDACTED]                  | MATERIAL            | Steel and concrete | 25X1 |
|      | WIDTH  | [REDACTED]                  | NO. OF SPANS        | 6                  |      |
|      | TYPE   | (Single track)<br>Deck-beam | LENGTH OF EACH SPAN | [REDACTED]         |      |

## STATUS:

Approximately 4 spans dropped.

## COMPENSATIVE ACTION:

None

25X1

[REDACTED]

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                 |         |               |             |                               |
|------|------|---------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Hoa Duet RR. Bridge over stream | COUNTRY |               | COORDINATES | 18 22N - 105 36E<br>WF 647318 |
|      |      | Bridge No. 92 on NE 48-7        |         | North Vietnam |             |                               |
| 25X1 |      |                                 |         |               | BRIEF NO:   | PIB 75353<br>November 1966    |
|      | MAP  | JOG (A) 1501 NE 48-7            |         |               |             |                               |

LOCATION: 0.7 nm SE of Hoa Duet on the Vinh/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 40' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Steel and concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 40' approx.

## STATUS:

Span dropped; abutment damaged.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Lang Quach Ngoai RR. Bridge N over Ngoi Vai   
 25X1 Bridge No. 2 on NF 48-10

COUNTRY

North Vietnam

COORDINATES

21 54N - 104 39E  
VK 647231

BRIEF NO:

PIB 75354  
November 1966

MAP JOG (A) 1501 NF 48-10

LOCATION: 1.5 nm W of Lang Quach on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

LENGTH 

WIDTH

TYPE

5' approx.  
Deck-beam

MATERIAL Wood and concrete

NO. OF SPANS

3

LENGTH OF EACH SPAN 

25X1

## STATUS:

All spans and 1 pier destroyed; one abutment damaged.

## COMPENSATIVE ACTION:

None

25X1 **CONFIDENTIAL**

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                              |               |  |                  |  |
|------|------|------------------------------|---------------|--|------------------|--|
| 25X1 | NAME | Vu Ban Hwy. Bridge over Song | COUNTRY       |  | COORDINATES      |  |
|      | Dom  | <input type="text"/>         |               |  | 20 27N - 105 27E |  |
| 25X1 |      | Bridge No. 13 on NF 48-15    | North Vietnam |  | WH 469626        |  |
|      |      |                              |               |  | BRIEF NO:        |  |
|      | MAP  | JOG (A) 1501 NF 48-15        |               |  | PIB 75355        |  |
|      |      |                              |               |  | November 1966    |  |

LOCATION: 0.3 nm S of Xom Tot on Route 12.

## DESCRIPTION:

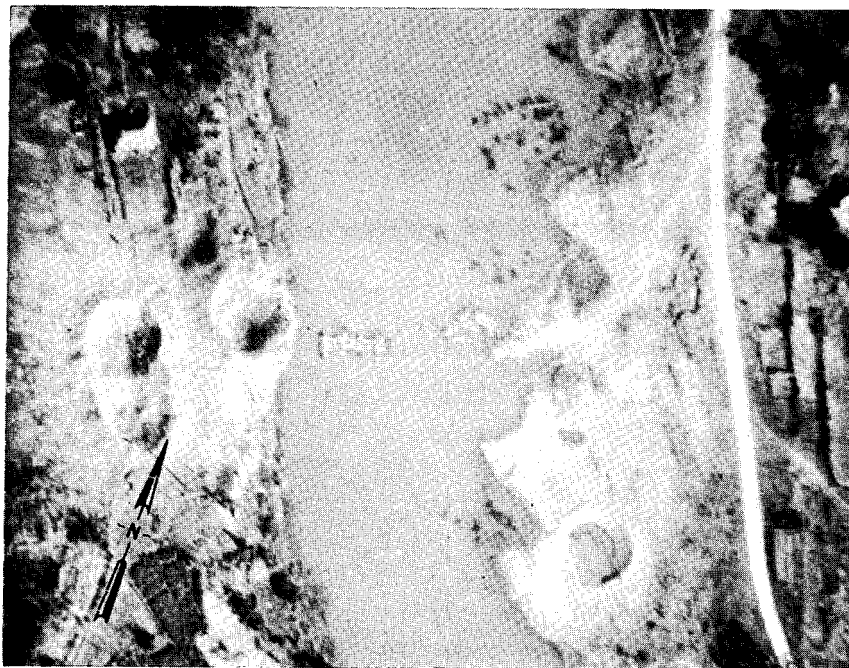
|      |        |                      |                     |         |
|------|--------|----------------------|---------------------|---------|
| 25X1 | LENGTH | 160' approx.         | MATERIAL            | Wood    |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | Unknown |
|      | TYPE   | Deck                 | LENGTH OF EACH SPAN | Unknown |

## STATUS:

Entire bridge destroyed.

## COMPENSATIVE ACTION:

Unserviceable pontoon by-pass bridge; ford.

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## CIA IMAGERY ANALYSIS DIVISION

|                                                                         |                              |                                                  |
|-------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| NAME Xom Tot Hwy. Bridge By-pass<br>No. 1<br>Bridge No. 13 on NF 48-15  | COUNTRY<br><br>North Vietnam | COORDINATES<br><br>20 27N - 105 27E<br>WH 469626 |
| <div style="border: 1px solid black; height: 20px; width: 100%;"></div> |                              | BRIEF NO:<br>PIB 75356<br>November 1966          |
| MAP JOG (A) 1501 NF 48-15                                               |                              |                                                  |

LOCATION: 0.3 nm S of Xom Tot on Route 12.

## DESCRIPTION:

LENGTH 150' approx.  
 WIDTH   
 TYPE Pontoon

MATERIAL Wood  
 NO. OF SPANS 15 probable  
 LENGTH OF EACH SPAN 10' approx.

## STATUS:

7 spans destroyed; 6 pontoons destroyed.

## COMPENSATIVE ACTION:

Ford

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                                                                             |         |               |                  |  |
|------|------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|------------------|--|
| 25X1 | NAME | Phuong Dinh RR. and Hwy. Bridge                                                                                                             | COUNTRY |               | COORDINATES      |  |
|      |      | over Lach Truong <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span> |         |               | 19 51N - 105 48E |  |
| 25X1 |      | Bridge No. 16 on NE 48-3                                                                                                                    |         | North Vietnam | WG 842951        |  |
|      |      | <span style="border: 1px solid black; display: inline-block; width: 550px; height: 2.4em; vertical-align: middle;"></span>                  |         |               | BRIEF NO:        |  |
|      |      | JOG (A) 1501 NE 48-3                                                                                                                        |         |               | PIB 75357        |  |
|      |      |                                                                                                                                             |         |               | November 1966    |  |

LOCATION: 0.5 nm N of Yen Vuc Thuong on the Hanoi/Dong Hoi Rail Line and Route 1A.

## DESCRIPTION:

|        |                          |                     |                               |
|--------|--------------------------|---------------------|-------------------------------|
| LENGTH | 245' approx.             | MATERIAL            | Steel with concrete abutments |
| WIDTH  | 15' approx.              | NO. OF SPANS        | 1                             |
| TYPE   | Continuous through truss | LENGTH OF EACH SPAN | 245' approx.                  |

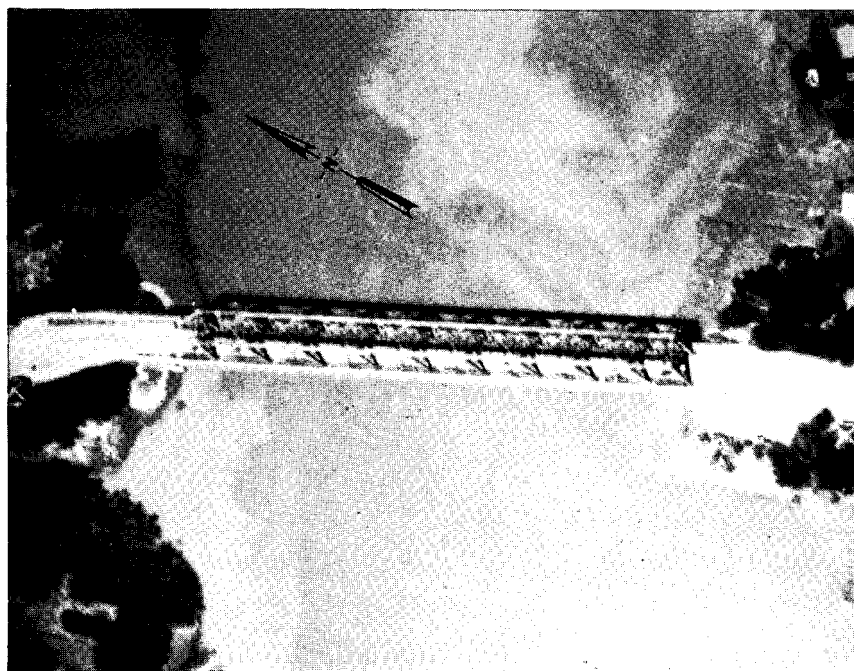
## STATUS:

Pre-strike

## COMPENSATIVE ACTION:

None

25X1

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## CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Phuong Dinh RR. and Hwy. Bridge  
over Lach Truong   
Bridge No. 16 on NE 48-3

COUNTRY

North Vietnam

COORDINATES

19 51N - 105 48E

WG 842951

BRIEF NO:

PIB 75358

November 1966

JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Yen Vuc Thuong on the Hanoi/Dong Hoi Rail Line and Route 1A.

## DESCRIPTION:

LENGTH 245' approx.  
WIDTH 15' approx. (Single track)  
TYPE Continuous through truss

MATERIAL Steel with concrete abutments

NO. OF SPANS 3

LENGTH OF EACH SPAN 1 @ 120' approx.  
1 @ 65' approx.  
1 @ 60' approx.

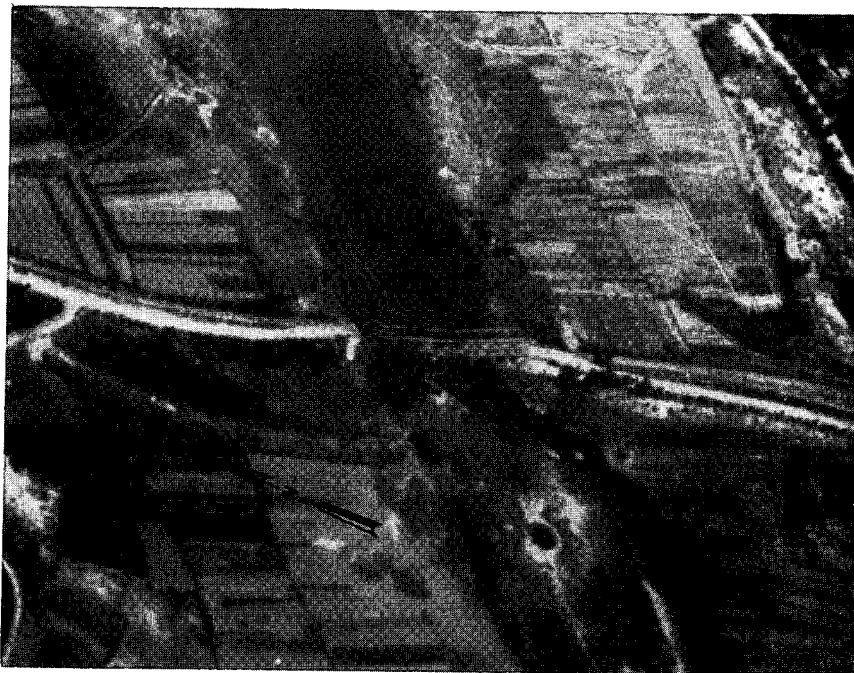
## STATUS:

One end of continuous truss has been dropped and heavily damaged.

## COMPENSATIVE ACTION:

By-pass bridge U/C.

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Phuong Dinh RR. and Hwy. Bridge  
over Lach Truong   
Bridge No. 16 on NE 48-3

COUNTRY

North Vietnam

COORDINATES

19 51N - 105 48E

WG 842951

25X1

BRIEF NO:

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JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Yen Vuc Thuong on the Hanoi/Dong Hoi Rail Line and Route 1A.

## DESCRIPTION:

LENGTH 245' approx.  
WIDTH 15' approx. (Single track)  
TYPE Continuous through truss

MATERIAL Steel with concrete abutments

NO. OF SPANS 3

LENGTH OF EACH SPAN 1 @ 120' approx.  
1 @ 65' approx.  
1 @ 60' approx.

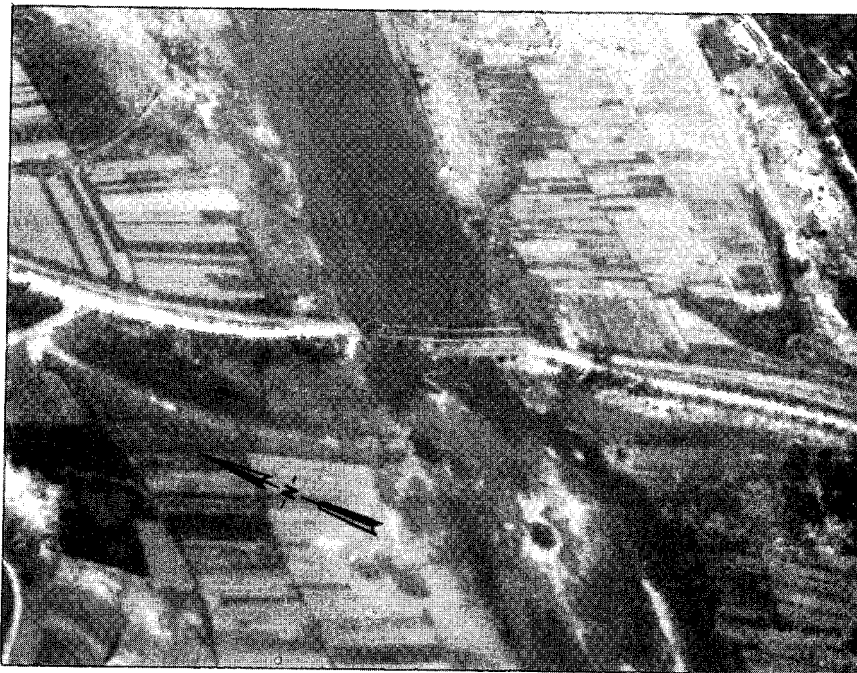
## STATUS:

One end of continuous truss has been dropped and heavily damaged.

## COMPENSATIVE ACTION:

By-pass bridge U/C.

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Nam Khe Hwy. Bridge over

COUNTRY

COORDINATES

stream 

19 53N - 105 56E

Bridge No. 23 on NE 48-3

North Vietnam

WG 987996

25X1

BRIEF NO:

MAP JOG (A) 1501 NE 48-8

PIB 75359

November 1966

LOCATION: 0.3 nm E of Nam Huan on an unnumbered route.

## DESCRIPTION:

LENGTH 100' approx.  
 WIDTH 10' approx.  
 TYPE Deck

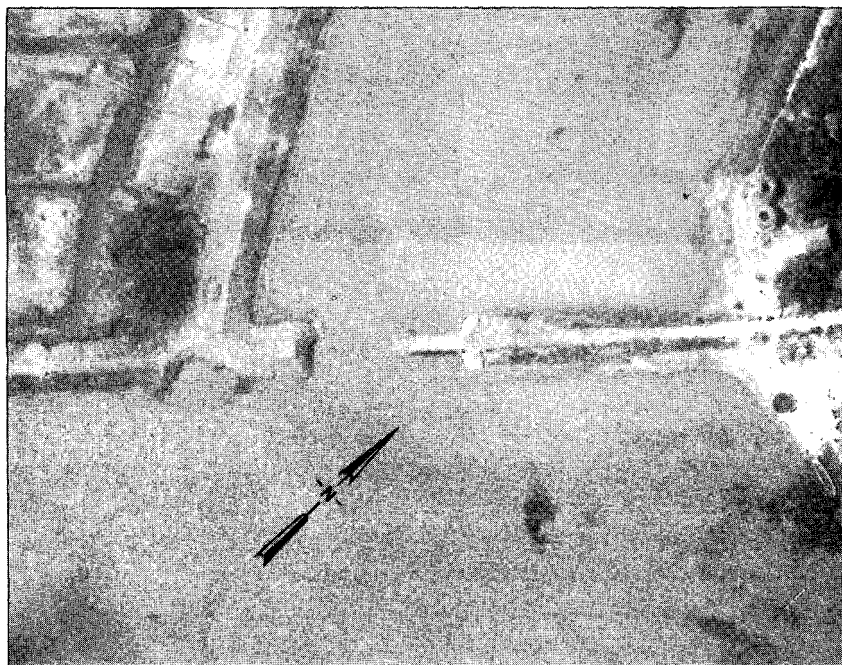
MATERIAL Concrete  
 NO. OF SPANS 2 probable  
 LENGTH OF EACH SPAN 50' approx.

## STATUS:

1 span, one pier, and one abutment destroyed; 1 span dropped.

## COMPENSATIVE ACTION:

None apparent.

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Qui Chau Hwy. Bridge W 1  
over stream   
Bridge No. 29 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 34N - 105 04E  
WG 073637

25X1

BRIEF NO:  
PIB 75360  
November 1966

MAP JOG (A) 1501 NE 48-3

LOCATION: 2.0 nm NW of Qui Chau on Route 116.

## DESCRIPTION:

LENGTH 50' approx.  
WIDTH 15' approx.  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 1 probable  
LENGTH OF EACH SPAN 50' approx.

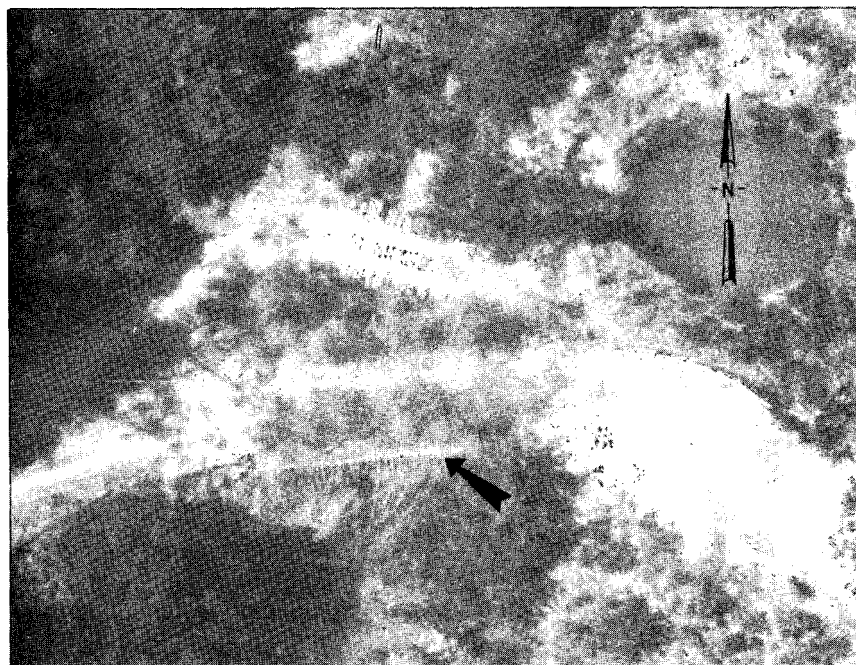
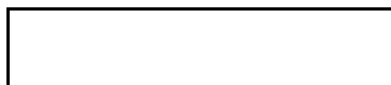
## STATUS:

Bridge rebuilt and camouflaged.

## COMPENSATIVE ACTION:

By-pass timber span.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                            |         |               |             |                               |
|------|------|------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Lang Khay RR. Bridge over<br>Ngoi Kay <input type="text"/> | COUNTRY |               | COORDINATES | 22 01N - 104 31E<br>VK 509359 |
| 25X1 |      | Bridge No. 8 on NF 48-6                                    |         | North Vietnam |             |                               |
|      | MAP  | JOG (A) 1501 NF 48-6                                       |         |               | BRIEF NO:   | PTB 75361<br>November 1966    |

LOCATION: 1.5 nm NW of Khe Se on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|      |        |                      |                     |                                                     |
|------|--------|----------------------|---------------------|-----------------------------------------------------|
| 25X1 | LENGTH | 135' approx.         | MATERIAL            | Wood, steel, and concrete                           |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 3                                                   |
|      | TYPE   | Deck                 | LENGTH OF EACH SPAN | 1 @ 90' approx., 1 @ 30' approx.<br>1 @ 15' approx. |

## STATUS:

The 30' span has been dropped; decking has been ripped off of the 30' and 15' spans; one abutment has been destroyed.

## COMPENSATIVE ACTION:

None apparent.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|                                                             |                          |                                              |
|-------------------------------------------------------------|--------------------------|----------------------------------------------|
| NAME<br>La Khe Thon Hwy. Bridge<br>Bridge No. 60 on NE 48-7 | COUNTRY<br>North Vietnam | COORDINATES<br>18 03N - 105 49E<br>WE 872973 |
| 25X1                                                        |                          | BRIEF NO:<br>PIB 75362<br>November 1966      |
| MAP JOG (A) 1501 NE 48-7                                    |                          |                                              |
| LOCATION: 0.8 nm SE of La Khe Thon on Route 15.             |                          |                                              |

## DESCRIPTION:

25X1

LENGTH

MATERIAL Wood and concrete

25X1

WIDTH

(Single track)

NO. OF SPANS 15' approx.

TYPE

Deck

LENGTH OF EACH SPAN

25X1

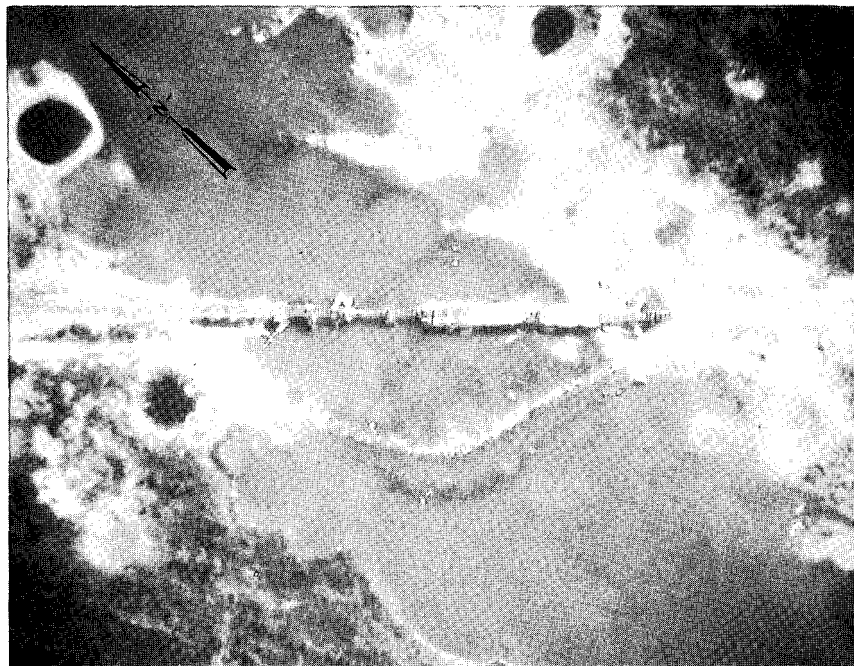
## STATUS:

This bridge is now serviceable to rail traffic only and is acting as a by-pass to the destroyed La Khe Thon Rail Bridge.

## COMPENSATIVE ACTION:

Causeway and 2 span timber bridge; ford.

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|                                                                 |                                                                                           |                      |                                          |                                              |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|------------------------------------------|----------------------------------------------|
| 25X1                                                            | NAME Lang Bun RR. Bridge over<br>Ngon Bon <input type="text"/><br>Bridge No. 1 on NF 48-6 |                      | COUNTRY<br>North Vietnam                 | COORDINATES<br>22 09N - 104 23E<br>VK 368493 |
|                                                                 | 25X1                                                                                      |                      | BRIEF NO:<br>PIB 75363<br>November 1966  |                                              |
| MAP JOG (A) 1501 NF 48-6                                        |                                                                                           |                      |                                          |                                              |
| LOCATION: 0.1 nm NW of Lang Bun on the Hanoi/Lao Cai Rail Line. |                                                                                           |                      |                                          |                                              |
| DESCRIPTION:                                                    |                                                                                           |                      |                                          |                                              |
| 25X1                                                            | LENGTH                                                                                    | <input type="text"/> | MATERIAL Wood                            | 25X1                                         |
|                                                                 | WIDTH                                                                                     | <input type="text"/> | NO. OF SPANS 8                           |                                              |
| TYPE Deck-beam with lattice towers                              |                                                                                           |                      | LENGTH OF EACH SPAN <input type="text"/> |                                              |
| STATUS:<br>Repaired and serviceable.                            |                                                                                           |                      |                                          |                                              |
| COMPENSATIVE ACTION:<br>NA                                      |                                                                                           |                      |                                          |                                              |
| 25X1                                                            | <input type="text"/>                                                                      |                      |                                          |                                              |

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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## CIA IMAGERY ANALYSIS DIVISION

| NAME                                             | COUNTRY       | COORDINATES                             |
|--------------------------------------------------|---------------|-----------------------------------------|
| Phuc Loc RR. Bridge<br>Bridge No. 26 on NE 48-12 | North Vietnam | 17 34N - 106 30E<br>XF 613444           |
| MAP JOG (A) 1501 NE 48-12                        |               | BRIEF NO:<br>PIB 75364<br>November 1966 |

LOCATION: 0.5 nm NW of Phuc Loc on the abandoned Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH  
WIDTH  
TYPE

Deck

MATERIAL Steel and concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN

## STATUS:

One span severely damaged.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                |         |               |             |                               |
|------|------|------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Bai Thuong Hwy. Bridge E over canal [redacted] | COUNTRY | North Vietnam | COORDINATES | 19 54N - 105 24E<br>WH 427012 |
|      |      | Bridge No. 24 on NE 48-3                       |         |               |             |                               |
| 25X1 | MAP  | JOG (A) 1501 NE 48-3                           |         |               | BRIEF NO:   | PIB 75365                     |
|      |      |                                                |         |               |             | November 1966                 |

LOCATION: 0.7 nm S of Lam Son on Route 15.

## DESCRIPTION:

LENGTH 105' approx.  
 WIDTH 10' approx.  
 TYPE Deck

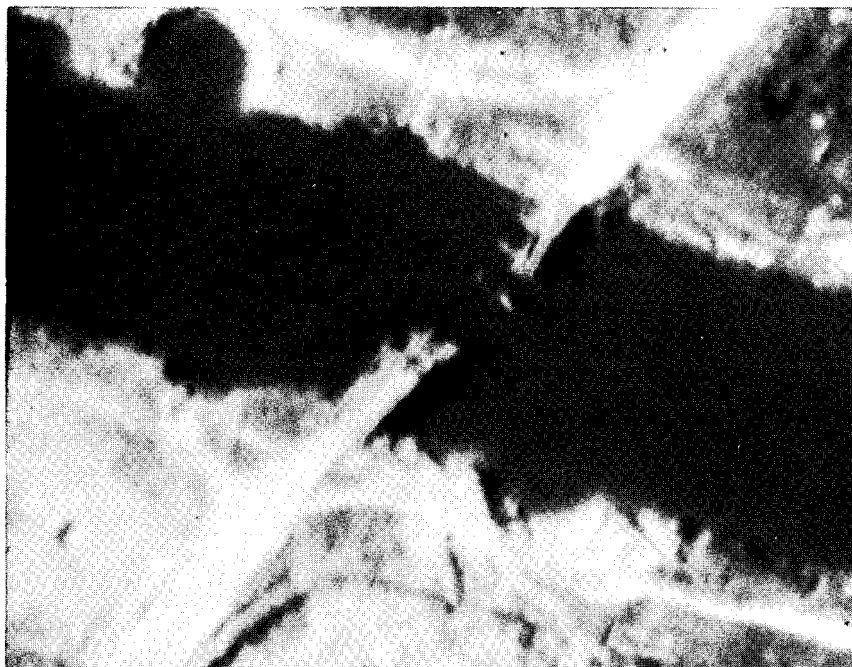
MATERIAL Wood  
 NO. OF SPANS 7  
 LENGTH OF EACH SPAN 15' approx.

## STATUS:

3 spans destroyed; 2 damaged.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Lang Ke Na Bong Hwy. Bridge  
 over Nam Xia   
 Bridge No. 4 on NF 48-15

## COUNTRY

North Vietnam

## COORDINATES

20 34N - 105 00E  
WH 015743

25X1 MAP JOG (A) 1501 NF 48-15

## BRIEF NO:

PIB 75366  
November 1966

LOCATION: 0.5 nm N of Lang Ke Na Bong on Route 154.

## DESCRIPTION:

LENGTH 150' approx.  
 WIDTH 5' approx.  
 TYPE Deck

MATERIAL Timber, concrete  
 NO. OF SPANS Undetermined  
 LENGTH OF EACH SPAN Undetermined

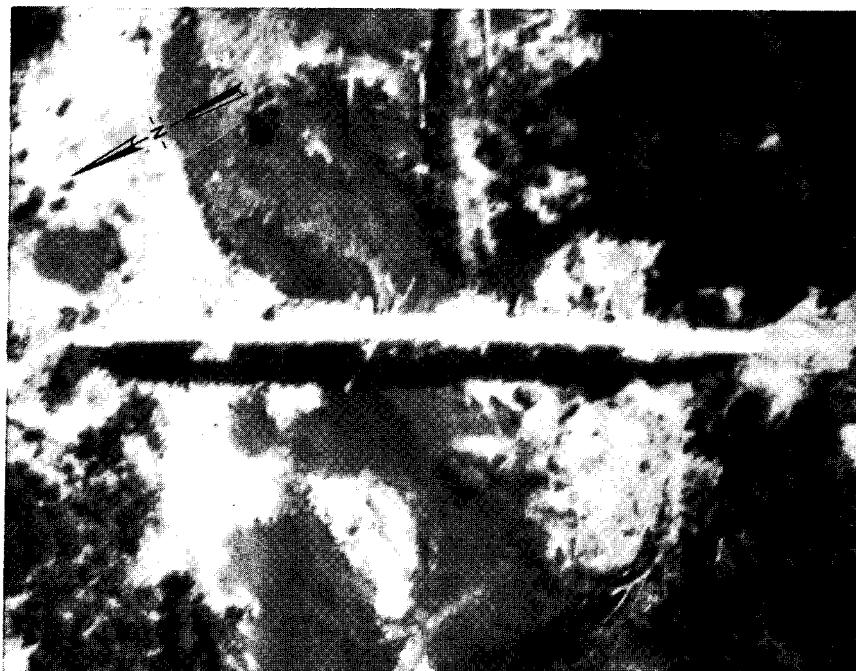
## STATUS:

Original bridge repaired to handle foot traffic only.

## COMPENSATIVE ACTION:

NA

25X1

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## CIA IMAGERY ANALYSIS DIVISION

| NAME                                              | COUNTRY       | COORDINATES                   |
|---------------------------------------------------|---------------|-------------------------------|
| Lang Suoi Hwy. Bridge<br>Bridge No. 41 on NE 48-3 | North Vietnam | 19 35N - 105 22E<br>WG 399662 |

25X1

|                          |                                         |
|--------------------------|-----------------------------------------|
|                          | BRIEF NO:<br>PIB 75367<br>November 1966 |
| MAP JOG (A) 1501 NE 48-2 |                                         |

LOCATION: 1.7 nm SW of Lang Suoi on Route 15.

## DESCRIPTION:

25X1

LENGTH  
WIDTH  
TYPE

Deck

MATERIAL Probable wood  
NO. OF SPANS 2  
LENGTH OF EACH SPAN

25X1

## STATUS:

2 spans destroyed.

## COMPENSATIVE ACTION:

Ford

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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## CIA IMAGERY ANALYSIS DIVISION

| NAME                                              | COUNTRY       | COORDINATES                             |
|---------------------------------------------------|---------------|-----------------------------------------|
| Lang Dong Hwy. Bridge<br>Bridge No. 43 on NE 48-3 | North Vietnam | 19 37N - 105 25E<br>WG 438702           |
| [REDACTED]                                        |               | BRIEF NO:<br>PIB 75368<br>November 1966 |
| MAP JOG (A) 1501 NE 48-3                          |               |                                         |

LOCATION: 0.2 nm NW of Lang Dong on Route 15.

## DESCRIPTION:

LENGTH  
WIDTH  
TYPE

|            |
|------------|
| [REDACTED] |
|------------|

Deck

MATERIAL Probable concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN [REDACTED]

## STATUS:

Span destroyed.

## COMPENSATIVE ACTION:

Ford

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## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ly Nhan RR. Bridge over  
stream [REDACTED]  
Bridge No. 14 on NF 48-15COUNTRY  
North VietnamCOORDINATES  
20 09N - 105 56E  
XH 000310

25X1

MAP JOG (A) 1501 NF 48-15

BRIEF NO:  
PIB 75369  
November 1966

LOCATION: 1.9 nm E of Ly Nhan on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1

LENGTH 95' approx.  
WIDTH [REDACTED]  
TYPE Half-through trussMATERIAL Steel  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 95' approx.

## STATUS:

One end of span has been dropped; slight damage to truss; possible damage to one abutment.

## COMPENSATIVE ACTION:

NA

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                     |         |               |             |                               |
|------|------|-------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Phu Ly RR. Bridge over<br>Song Lap <input type="text"/><br>Bridge No. 9 on NF 48-15 | COUNTRY | North Vietnam | COORDINATES | 20 32N - 105 55E<br>WH 959721 |
|      | 25X1 | <input type="text"/>                                                                |         |               | BRIEF NO:   | PIB 75370<br>November 1966    |
| MAP  |      | JOG (A) 1501 NF 48-15                                                               |         |               |             |                               |

LOCATION: 0.4 nm E of Xom Cha on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

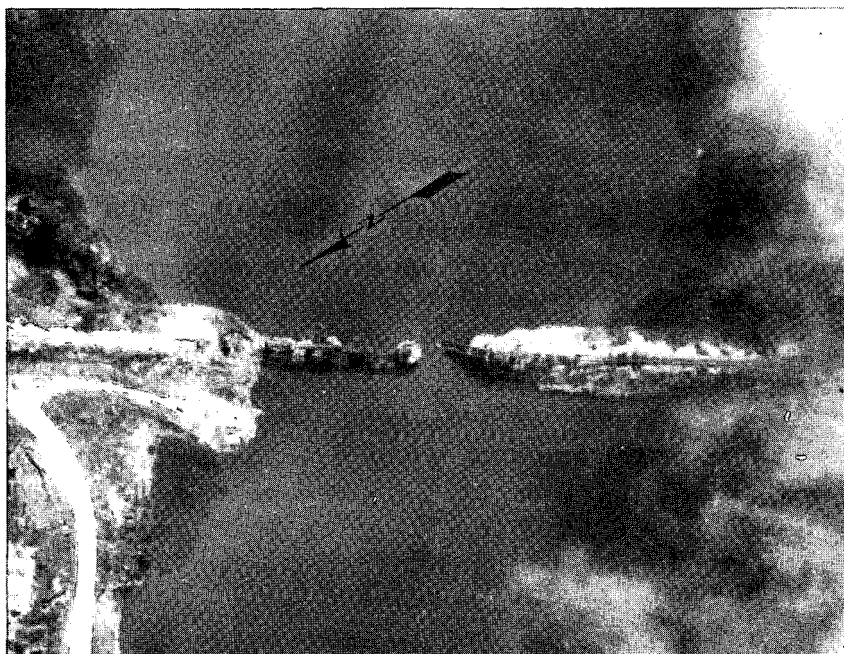
|      |        |                      |                     |                      |
|------|--------|----------------------|---------------------|----------------------|
| 25X1 | LENGTH | <input type="text"/> | MATERIAL            | Steel and concrete   |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 6                    |
|      | TYPE   | Deck-beam            | LENGTH OF EACH SPAN | <input type="text"/> |

25X1

25X1 STATUS:  span dropped; two  spans dropped; one abutment damaged; rail  
25X1 interdicted on NE approach.

## COMPENSATIVE ACTION:

NA

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## CIA IMAGERY ANALYSIS DIVISION

|                                                     |                                                                                                                                                                                |                |                               |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------|
| 25X1                                                | <b>NAME</b> Binh Van Hwy. Bridge N over<br>Song Tin <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span> | <b>COUNTRY</b> | <b>COORDINATES</b>            |
|                                                     | Bridge No. 45 on NE 48-7                                                                                                                                                       | North Vietnam  | 19 42N - 105 26E<br>WG 457801 |
| 25X1                                                | <span style="border: 1px solid black; display: inline-block; width: 500px; height: 2.4em; vertical-align: middle;"></span>                                                     |                | <b>BRIEF NO:</b>              |
|                                                     |                                                                                                                                                                                |                | PIB 75371<br>November 1966    |
| <b>MAP</b> JOG (A) 1501 NE 48-3                     |                                                                                                                                                                                |                |                               |
| <b>LOCATION:</b> 0.7 nm NE of Binh Van on Route 15. |                                                                                                                                                                                |                |                               |

**DESCRIPTION:**

**LENGTH** 30' approx.  
**WIDTH** 10' approx.  
**TYPE** Steel girder

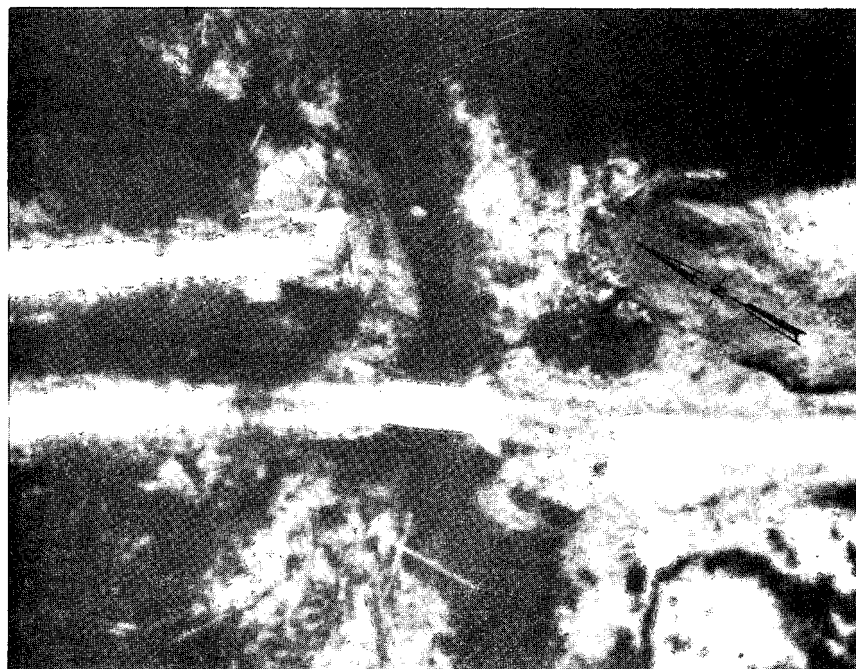
**MATERIAL** Steel  
**NO. OF SPANS** 2  
**LENGTH OF EACH SPAN** 15' approx.

**STATUS:**

Completely destroyed.

**COMPENSATIVE ACTION:**

By-pass bridge.

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Khe Se RR. Bridge over stream

COUNTRY

COORDINATES

[REDACTED]

22 00N - 104 33E

Bridge No. 6 on NF 48-6

North Vietnam

VK 538330

25X1

MAP JOG (A) 1501 NF 48-6

BRIEF NO:

PIB 75372

November 1966

LOCATION: 0.5 nm SE of Khe Se on the Hanoi/Lao Cai Rail Line.

DESCRIPTION:

25X1

LENGTH 75' approx.

MATERIAL Steel and concrete

WIDTH

NO. OF SPANS 1

TYPE

Half-through truss

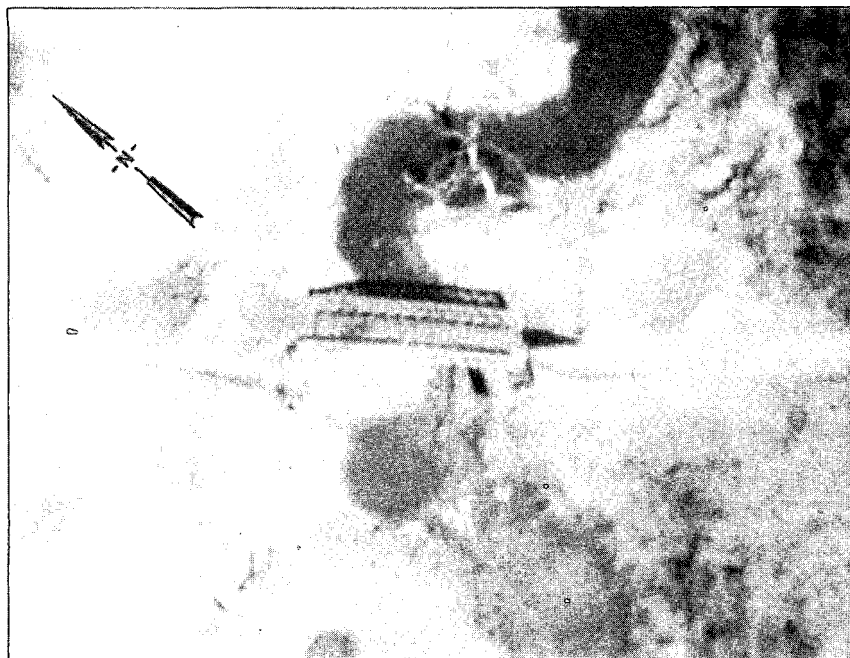
LENGTH OF EACH SPAN 75' approx.

STATUS:

Span displaced; north abutment destroyed; south abutment heavily damaged.

COMPENSATIVE ACTION:

None



25X1

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                       |         |               |             |                               |
|------|------|---------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Pho Hop RR. Bridge over<br>Ngon Hop <input type="text"/><br>Bridge No. 26 on NF 48-10 | COUNTRY | North Vietnam | COORDINATES | 21 49N - 104 45E<br>VK 752127 |
|      | 25X1 | <input type="text"/>                                                                  |         |               | BRIEF NO:   | PIB 75373<br>November 1966    |
|      | MAP  | JOG (A) 1501 NF 48-10                                                                 |         |               |             |                               |

LOCATION: 2.3 nm SW of Lang Dong on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|      |        |                      |                     |                                    |
|------|--------|----------------------|---------------------|------------------------------------|
| 25X1 | LENGTH | 90' approx.          | MATERIAL            | Wood                               |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 3                                  |
|      | TYPE   | Deck-beam            | LENGTH OF EACH SPAN | 2 @ 40' approx.<br>1 @ 10' approx. |

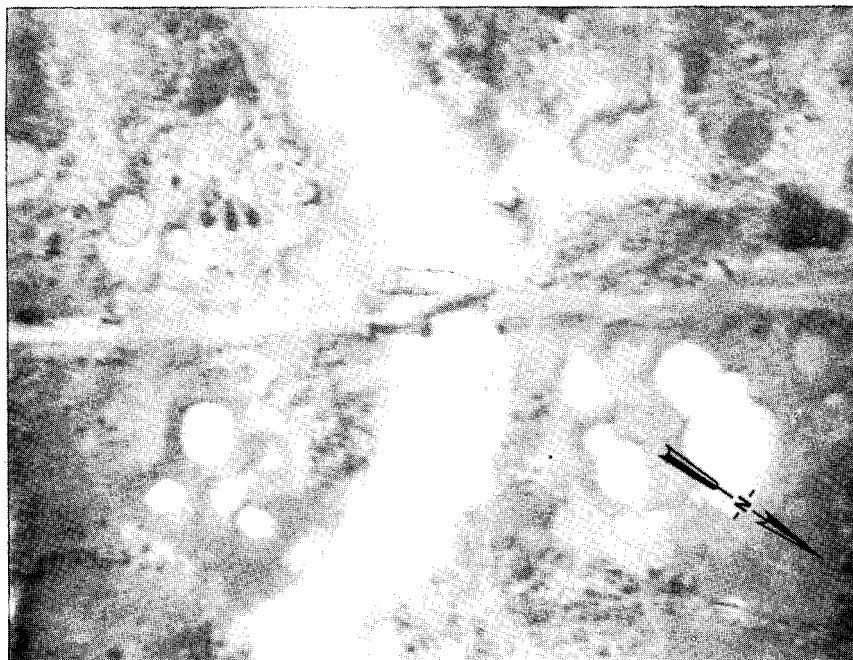
## STATUS:

One 40' span dropped.

## COMPENSATIVE ACTION:

None

25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |           |                                                                                        |         |               |             |                               |
|------|-----------|----------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME      | Lai Chau Hwy. Bridge S over<br>Nam Lai <input type="text"/><br>Bridge No. 1 on NF 48-5 | COUNTRY | North Vietnam | COORDINATES | 22 03N - 103 09E<br>UK 105394 |
|      | 25X1      | <input type="text"/>                                                                   |         |               | BRIEF NO:   | PIB 75374<br>November 1966    |
|      | MAP       | JOG (A) 1501 NF 48-5                                                                   |         |               |             |                               |
|      | LOCATION: | 1.2 nm S of Lai Chau on Route 6.                                                       |         |               |             |                               |

## DESCRIPTION:

|      |        |                      |                     |                                     |
|------|--------|----------------------|---------------------|-------------------------------------|
| 25X1 | LENGTH | 180' approx.         | MATERIAL            | Concrete and steel                  |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 2                                   |
|      | TYPE   | Through truss        | LENGTH OF EACH SPAN | 1 @ 70' approx.<br>1 @ 110' approx. |

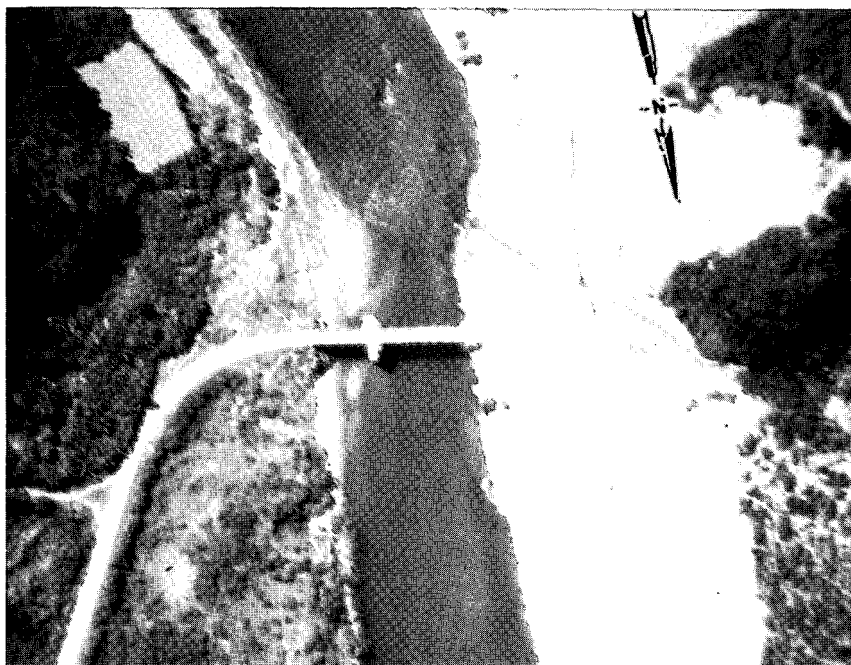
## STATUS:

Bridge repaired and serviceable.

## COMPENSATIVE ACTION:

Ford

25X1

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 GROUP 1  
 Excluded from automatic  
 downgrading and declassification

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25X1

## CIA IMAGERY ANALYSIS DIVISION

|      |            |                                                                             |         |               |             |                               |
|------|------------|-----------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME       | Cao Nung RR. Bridge over<br>Song Hoa [REDACTED]<br>Bridge No. 2 on NF 48-12 | COUNTRY | North Vietnam | COORDINATES | 21 33N - 106 29E<br>XJ 553844 |
| 25X1 | [REDACTED] |                                                                             |         |               | BRIEF NO:   | PIB 75375<br>December 1966    |
|      | MAP        | JOG (A) 1501 NF 48-12                                                       |         |               |             |                               |
|      | LOCATION:  | 0.2 nm E of Cao Nung on the Hanoi/Dong Dang Rail Line.                      |         |               |             |                               |

## DESCRIPTION:

|      |        |              |                     |                                                      |
|------|--------|--------------|---------------------|------------------------------------------------------|
| 25X1 | LENGTH | 175' approx. | MATERIAL            | Steel, concrete, and timber                          |
|      | WIDTH  | [REDACTED]   | NO. OF SPANS        | 3                                                    |
|      | TYPE   | Deck         | LENGTH OF EACH SPAN | 1 @ 70' approx., 1 @ 60' approx.,<br>1 @ 45' approx. |

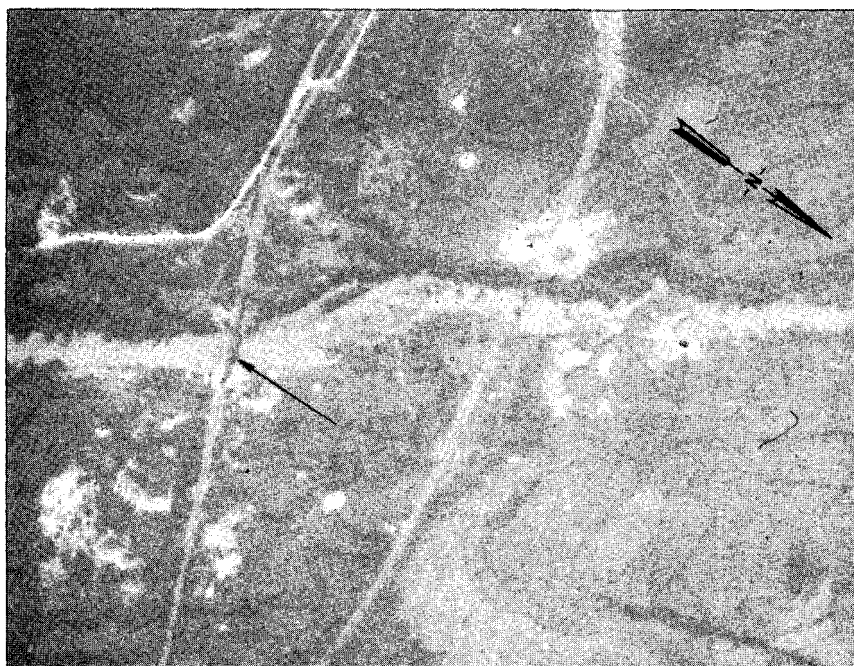
## STATUS:

Bridge is probably repaired and may be serviceable.

## COMPENSATIVE ACTION:

By-pass bridge.

25X1

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25X1

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## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                    |         |               |               |                               |
|------|------|------------------------------------|---------|---------------|---------------|-------------------------------|
| 25X1 | NAME | Phuoc Kieu Hwy. Bridge over stream | COUNTRY | North Vietnam | COORDINATES   | 17 51N - 106 26E<br>XE 523740 |
|      |      | Bridge No. 19 on NE 48-11          |         |               |               |                               |
| 25X1 |      |                                    |         |               | BRIEF NO:     | PIB 75376                     |
|      | MAP  | JOG (A) 1501 NE 48-11              |         |               | December 1966 |                               |

LOCATION: 0.6 nm S of Hoa Binh on Route 1A.

## DESCRIPTION:

LENGTH 30' approx.  
WIDTH 15' approx.  
TYPE Deck

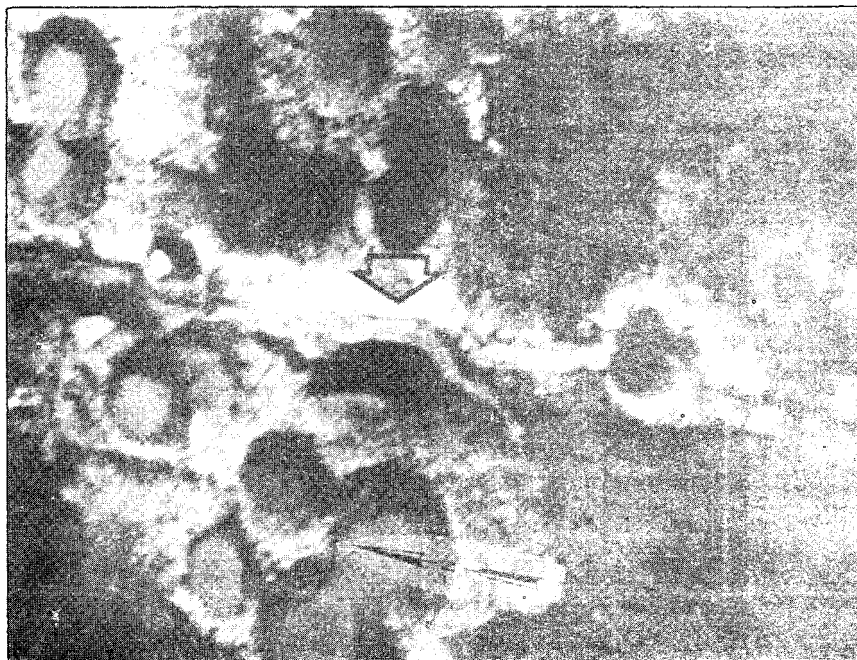
MATERIAL Concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 30' approx.

## STATUS:

South span dropped; deck damaged; south approach destroyed.

## COMPENSATIVE ACTION:

Ford

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## CIA IMAGERY ANALYSIS DIVISION

| NAME                                             | COUNTRY       | COORDINATES                             |
|--------------------------------------------------|---------------|-----------------------------------------|
| Phu Nhan Hwy. Bridge<br>Bridge No. 34 on NE 48-3 | North Vietnam | 19 26N - 105 48E<br>WG 840490           |
| MAP JOG (A) 1501 NE 48-3                         |               | BRIEF NO:<br>PIB 75377<br>November 1966 |

LOCATION: 0.5 nm SE of Phu Nhan on an unnumbered route.

## DESCRIPTION:

LENGTH 160' approx.  
WIDTH   
TYPE Deck

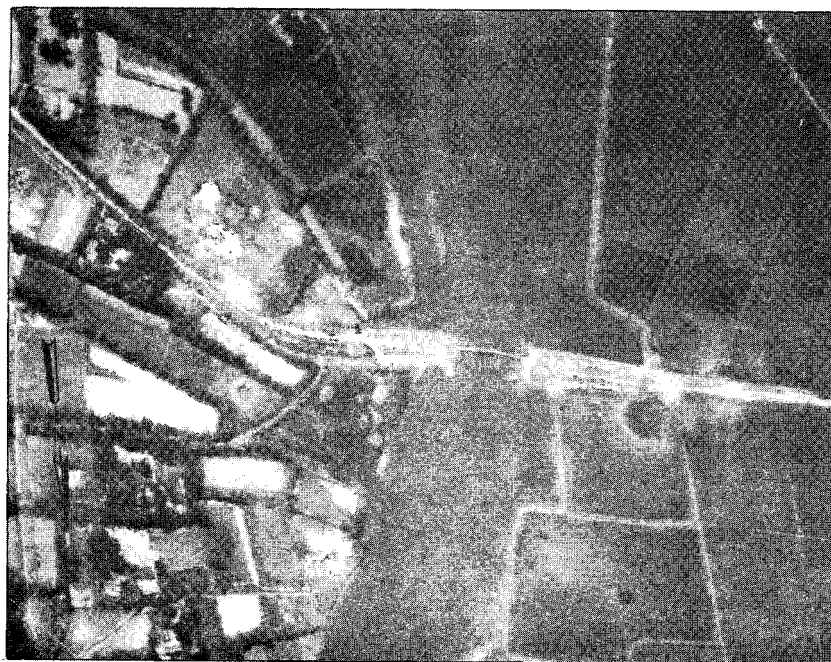
MATERIAL Wood  
NO. OF SPANS 4 probable  
LENGTH OF EACH SPAN 40' approx.

## STATUS:

Decking heavily damaged; serviceable to foot traffic only.

## COMPENSATIVE ACTION:

None

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      |                            |               |                               |
|------|----------------------------|---------------|-------------------------------|
| 25X1 | NAME Luan Chau Hwy. Bridge | COUNTRY       | COORDINATES                   |
|      | Bridge No. 18 on NF 48-9   | North Vietnam | 21 44N - 103 20E<br>UK 296042 |
| 25X1 |                            |               | BRIEF NO:                     |
|      | MAP JOG (A) 1501 NF 48-9   |               | PIB 75378<br>December 1966    |

LOCATION: 0.3 nm E of Luan Chau on Route 6.

## DESCRIPTION:

LENGTH 100' approx.  
WIDTH 20' approx.  
TYPE Deck

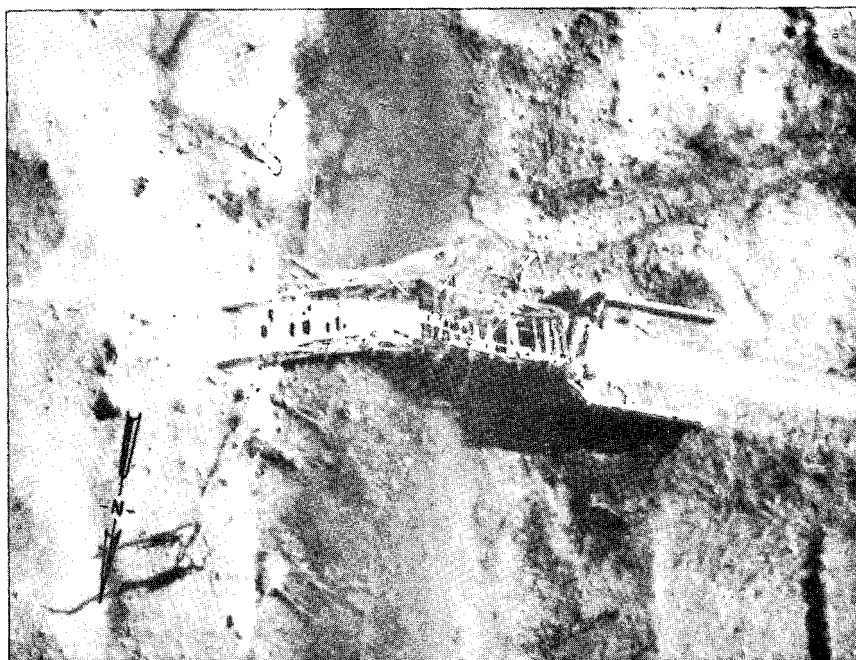
MATERIAL Wood and concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 50' approx.

## STATUS:

Both spans dropped; 1 abutment destroyed.

## COMPENSATIVE ACTION:

Ford

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Lang Khay RR. Bridge over  
Ngoi Chua [REDACTED]  
Bridge No. 3 on NF 48-6

COUNTRY  
North Vietnam

COORDINATES  
22 03N - 104 29E  
VK 472394

25X1 [REDACTED]

BRIEF NO:  
PIB 75379  
December 1966

MAP JOG (A) 1501 NF 48-6

LOCATION: 1.4 nm SW of Lang Khay on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

25X1 LENGTH [REDACTED] MATERIAL Timber  
WIDTH [REDACTED] (Single track) NO. OF SPANS 4  
TYPE Deck with lattice towers LENGTH OF EACH SPAN [REDACTED] 25X1

## STATUS:

1 span partially dropped and out of alignment; possible damage to 1 abutment.

## COMPENSATIVE ACTION:

None

25X1 [REDACTED]

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Phu Ly RR. Bridge over  
Song Lap [REDACTED]  
Bridge No. 9 on NE 48-15

COUNTRY  
North Vietnam

COORDINATES  
20 32N - 105 55E  
WH 959721

25X1 [REDACTED]

BRIEF NO:  
PIB 75380  
December 1966

MAP JOG (A) 1501 NE 48-15

LOCATION: 0.4 nm E of Xom Cho on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1 LENGTH [REDACTED]  
WIDTH [REDACTED]  
TYPE Deck-beam

(Single track)

MATERIAL Steel and concrete  
NO. OF SPANS 6  
LENGTH OF EACH SPAN [REDACTED]

25X1

## STATUS:

Bridge destroyed.

## COMPENSATIVE ACTION:

Replaced by a 235', 10 span, wood, deck-beam bridge.

25X1 [REDACTED]

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      | NAME                                                                                      | COUNTRY               | COORDINATES                             |
|------|-------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|
| 25X1 | Pho Chang RR. Bridge over<br>Ngoi Trang <input type="text"/><br>Bridge No. 15 on NF 48-10 | North Vietnam         | 21 51N - 104 43E<br>VK 712172           |
| 25X1 | <input type="text"/>                                                                      |                       | BRIEF NO:<br>PIB 75381<br>December 1966 |
|      | MAP                                                                                       | JOG (A) 1501 NF 48-10 |                                         |

LOCATION: 0.9 nm SW of Ngoi Chang on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

LENGTH 75' approx.  
WIDTH 15' approx. (Single track)  
TYPE Half-through truss

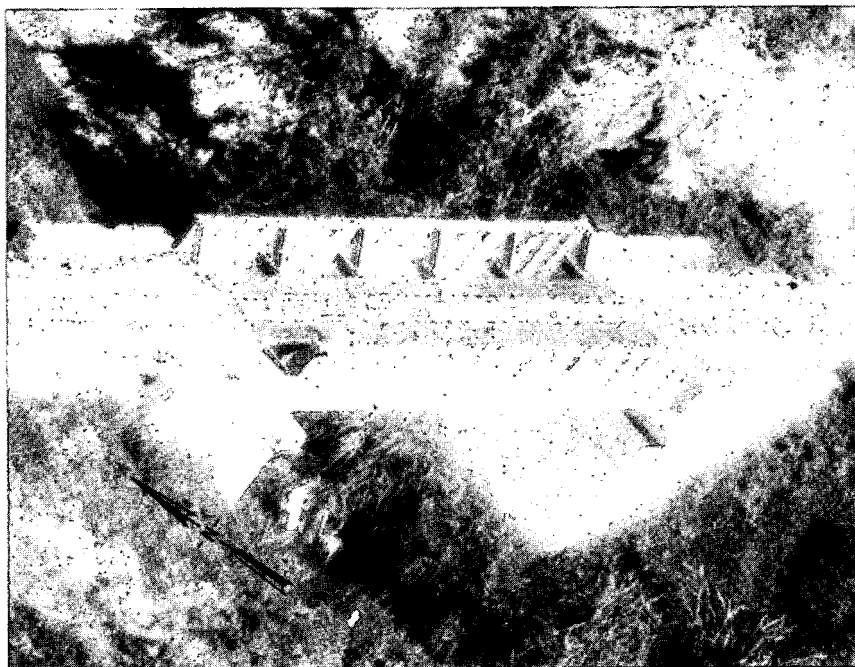
MATERIAL Steel and concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 75' approx.

## STATUS:

Pre-strike

## COMPENSATIVE ACTION:

NA

25X1 ~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Pho Chang RR. Bridge over

COUNTRY

COORDINATES

Ngon Trang

21 51N - 104 43E

Bridge No. 15 on NF 48-10

North Vietnam

VK 712172

25X1

BRIEF NO:

PIB 75382

MAP JOG (A) 1501 NF 48-10

December 1966

LOCATION: 0.9 nm SW of Ngoi Chang on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

LENGTH 75' approx.

MATERIAL Steel and concrete

WIDTH 15' approx. (Single track)

NO. OF SPANS 1

TYPE Half-through plate girder

LENGTH OF EACH SPAN 75' approx.

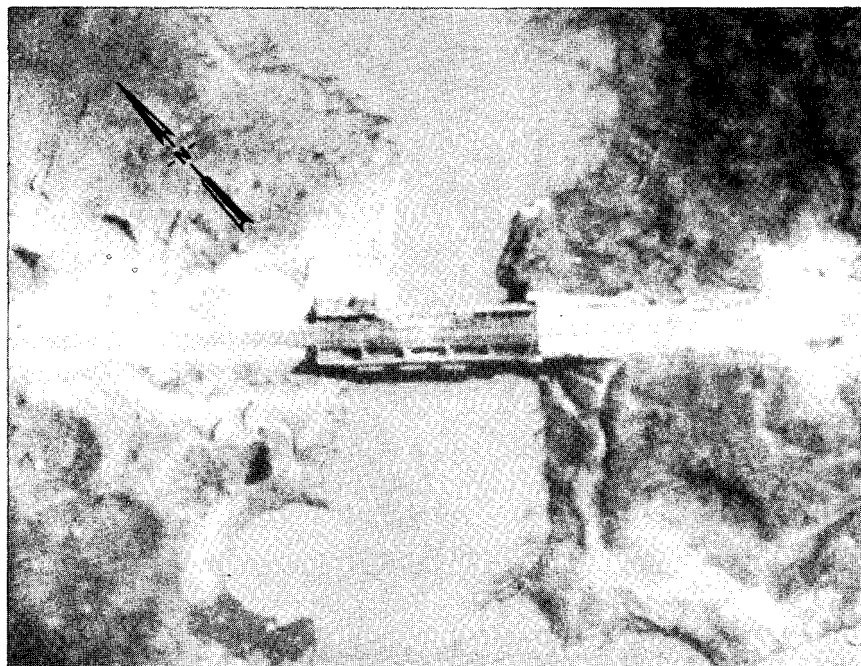
## STATUS:

1 girder moderately damaged; bridge probably weakened and capacity greatly reduced, but possibly still serviceable to medium-to-light traffic.

## COMPENSATIVE ACTION:

None apparent.

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

| NAME                                              | COUNTRY       | COORDINATES                             |
|---------------------------------------------------|---------------|-----------------------------------------|
| Hau Thach Hwy. Bridge<br>Bridge No. 15 on NE 48-3 | North Vietnam | 19 29N - 105 47E<br>WG 837543           |
| 25X1 [REDACTED]                                   |               | BRIEF NO:<br>PIB 75383<br>December 1966 |
| MAP JOG (A) 1501 NE 48-3                          |               |                                         |

LOCATION: 0.5 nm NW of Hau Thach on Route 1A.

## DESCRIPTION:

25X1  
LENGTH [REDACTED]  
WIDTH [REDACTED]  
TYPE 10' approx.  
Deck

MATERIAL Wood and concrete  
NO. OF SPANS 2 possible  
LENGTH OF EACH SPAN [REDACTED]

25X1

## STATUS:

Bridge destroyed.

## COMPENSATIVE ACTION:

None

25X1 [REDACTED]

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      |             |                            |               |  |                  |  |
|------|-------------|----------------------------|---------------|--|------------------|--|
| 25X1 | NAME        | Ban Poun Co Hwy. Bridge NE | COUNTRY       |  | COORDINATES      |  |
|      | over stream |                            |               |  | 21 32N - 103 19E |  |
| 25X1 | Bridge No.  | 17 on NF 48-9              | North Vietnam |  | UJ 260826        |  |
|      |             |                            |               |  | BRIEF NO:        |  |
|      | MAP         | JOG (A) 1501 NF 48-9       |               |  | PIB 75384        |  |
|      |             |                            |               |  | December 1966    |  |

LOCATION: 0.5 nm E of Ban Poun Co on Route 19.

## DESCRIPTION:

LENGTH 20' approx.  
 WIDTH 20' approx.  
 TYPE Deck

MATERIAL Concrete  
 NO. OF SPANS 1  
 LENGTH OF EACH SPAN 20' approx.

## STATUS:

1 concrete abutment destroyed; span dropped.

## COMPENSATIVE ACTION:

None

25X1

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

| NAME                                                         | COUNTRY | COORDINATES                             |
|--------------------------------------------------------------|---------|-----------------------------------------|
| Ban Same Ala Hwy. Bridge No. 2<br>Bridge No. 13L on NE 48-15 | Laos    | 16 37N - 106 30E<br>XD 603377           |
| [REDACTED]                                                   |         | BRIEF NO:<br>PIB 75385<br>December 1966 |
| MAP JOG (A) 1501 NE 48-15                                    |         |                                         |

LOCATION: 0.6 nm SW of Ban Same Ala on Route 9.

## DESCRIPTION:

LENGTH 100' approx.  
WIDTH 15' approx.  
TYPE Deck probable

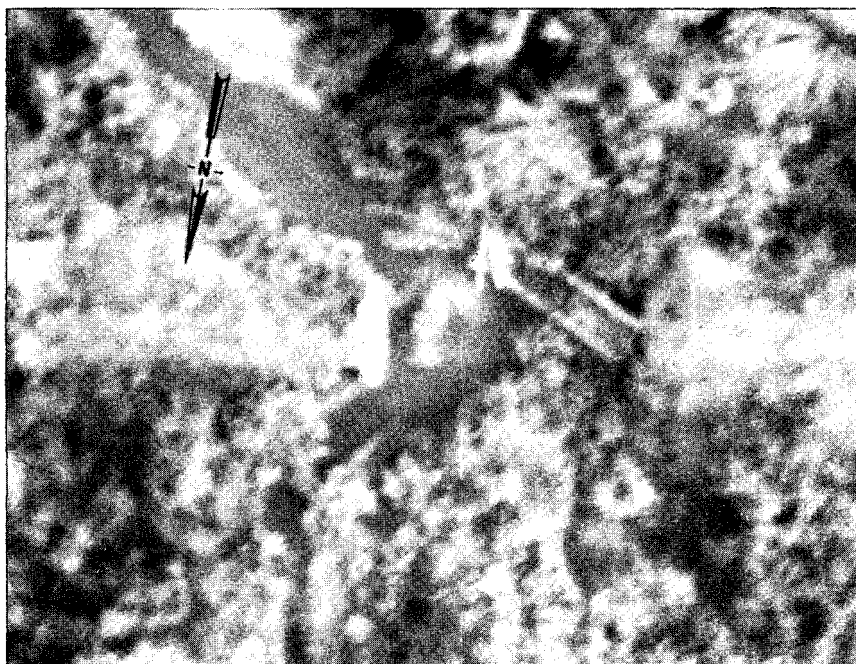
MATERIAL Probable timber with concrete abutments  
NO. OF SPANS 3 probable  
LENGTH OF EACH SPAN 2 @ 20' approx.  
1 @ 60' approx.

## STATUS:

All spans dropped; one pier destroyed.

## COMPENSATIVE ACTION:

None

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**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                     |         |               |             |                               |
|------|------|-------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Phu Quat RR. Bridge over<br>stream <input type="text"/><br>Bridge No. 44 on NE 48-3 | COUNTRY | North Vietnam | COORDINATES | 19 26N - 105 45E<br>WG 791498 |
|      | 25X1 | <input type="text"/>                                                                |         |               | BRIEF NO:   | PIB 75386<br>December 1966    |
|      | MAP  | JOG (A) 1501 NE 48-3                                                                |         |               |             |                               |

LOCATION: 1.2 nm N of Qui My on Hanoi/Vinh Rail Line.

## DESCRIPTION:

|      |        |                             |                     |                                    |
|------|--------|-----------------------------|---------------------|------------------------------------|
| 25X1 | LENGTH | 70' approx.                 | MATERIAL            | Wood                               |
|      | WIDTH  | <input type="text"/>        | NO. OF SPANS        | 4                                  |
|      | TYPE   | (Single track)<br>Deck-beam | LENGTH OF EACH SPAN | 2 @ 20' approx.<br>2 @ 15' approx. |

STATUS: Bridge repaired and serviceable.

## COMPENSATIVE ACTION:

None

25X1 **CONFIDENTIAL**

~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                                 |         |               |             |                               |
|------|------|-------------------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Tam Da RR. and Hwy. Bridge<br>over Song Cau Lo <input type="text"/><br>Bridge No. 18 on NE 48-7 | COUNTRY | North Vietnam | COORDINATES | 18 50N - 105 39E<br>WF 689840 |
|      | 25X1 | <input type="text"/>                                                                            |         |               | BRIEF NO:   | PIB 75387<br>December 1966    |
|      | MAP  | AMS L509 NE 48-7                                                                                |         |               |             |                               |

LOCATION: 2.3 nm NE of Tam Da on Hanoi/Vinh Rail Line.

## DESCRIPTION:

|      |        |                                              |                     |                           |
|------|--------|----------------------------------------------|---------------------|---------------------------|
| 25X1 | LENGTH | 360' approx.                                 | MATERIAL            | Wood, concrete, and steel |
|      | WIDTH  | <input type="text"/>                         | NO. OF SPANS        | 8                         |
|      | TYPE   | Combination deck-beam/<br>half-through truss | LENGTH OF EACH SPAN | 45' approx.               |

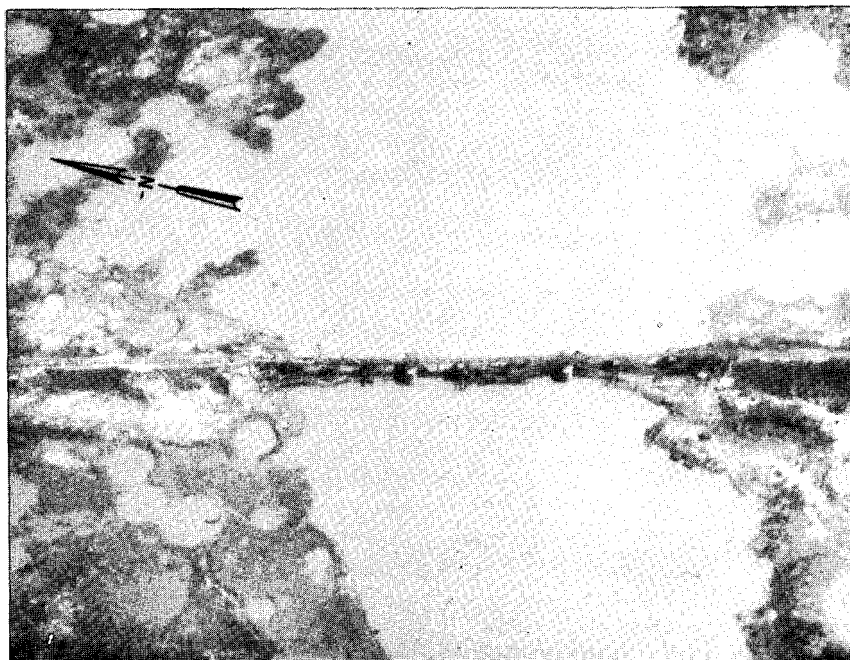
## STATUS:

Span replaced; bridge is now serviceable.

## COMPENSATIVE ACTION:

By-pass bridge U/C to west.

25X1

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**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

|      |                                                                                                                                                                                                         |         |               |             |                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| NAME | Cung Que Hwy. Bridge SW over<br>Hoang Long Giang <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span><br>Bridge No. 3 on NF 48-15 | COUNTRY | North Vietnam | COORDINATES | 20 19N - 105 56E<br>WH 980476 |
| MAP  | JOG (A) 1501 NF 48-15                                                                                                                                                                                   |         |               | BRIEF NO:   | PIB 75388<br>December 1966    |

LOCATION: 1 nm SW of Cung Que on Route 1A.

## DESCRIPTION:

LENGTH 360' approx.  
 WIDTH 10' approx.  
 TYPE Half-through truss

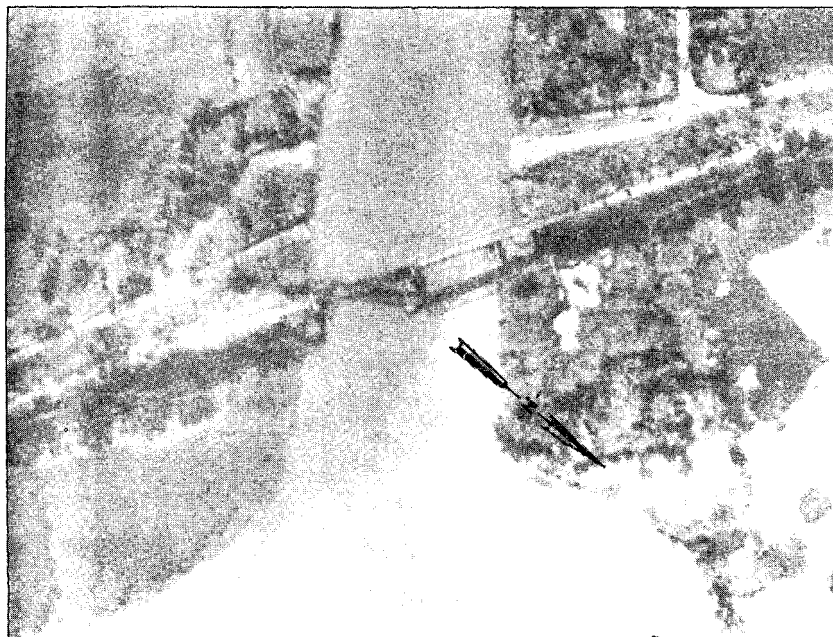
MATERIAL Steel and concrete  
 NO. OF SPANS 4  
 LENGTH OF EACH SPAN 2 @ 150' approx.  
 2 @ 30' approx.

## STATUS:

One 150' span destroyed.

## COMPENSATIVE ACTION:

Ferry

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## CIA IMAGERY ANALYSIS DIVISION

|                                                                  |               |                               |
|------------------------------------------------------------------|---------------|-------------------------------|
| NAME                                                             | COUNTRY       | COORDINATES                   |
| Phuong Dinh RR. By-pass Bridge No. 1<br>Bridge No. 16 on NE 48-3 | North Vietnam | 19 51N - 105 48E<br>WG 842951 |
| [REDACTED]                                                       |               | BRIEF NO:                     |
| MAP JOG (A) 1501 NE 48-3                                         |               | PIB 75389<br>December 1966    |

25X1

LOCATION: 0.4 nm E of Tao Thon on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

|        |                                          |                     |             |
|--------|------------------------------------------|---------------------|-------------|
| LENGTH | 350' approx.                             | MATERIAL            | Timber      |
| WIDTH  | [REDACTED] (Single track)                | NO. OF SPANS        | 10 probable |
| TYPE   | Deck beam with lattice<br>tower supports | LENGTH OF EACH SPAN | 35' approx. |

25X1

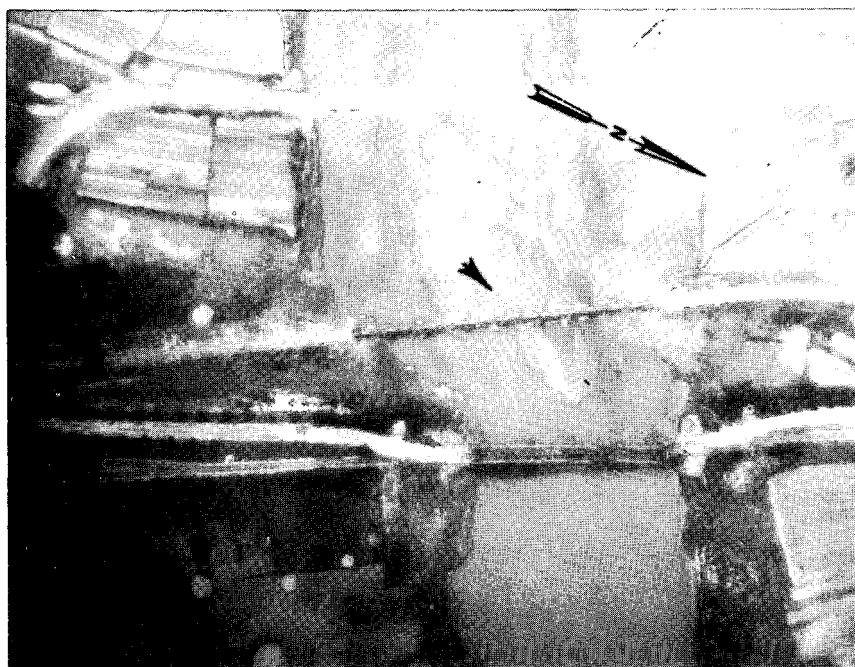
## STATUS:

Newly constructed as a replacement for the unserviceable Phuong Dinh RR.  
and Hwy. Bridge over Lach Truong [REDACTED] serviceable.

25X1

## COMPENSATIVE ACTION:

NA

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Phuong Can Hwy. Bridge over  
Song Hoang Mai   
Bridge No. 5 on NE 48-3

25X1

| NAME                                                                                          | COUNTRY       | COORDINATES                   |
|-----------------------------------------------------------------------------------------------|---------------|-------------------------------|
| Phuong Can Hwy. Bridge over<br>Song Hoang Mai <input type="text"/><br>Bridge No. 5 on NE 48-3 | North Vietnam | 19 14N - 105 42E<br>WG 742273 |

| MAP                  | BRIEF NO:                  |
|----------------------|----------------------------|
| JOG (A) 1501 NE 48-3 | PIB 75390<br>December 1966 |

LOCATION: 0.75 nm SW of Thien Ki on Route 1A.

## DESCRIPTION:

25X1 LENGTH 200' approx.  
WIDTH   
TYPE Deck

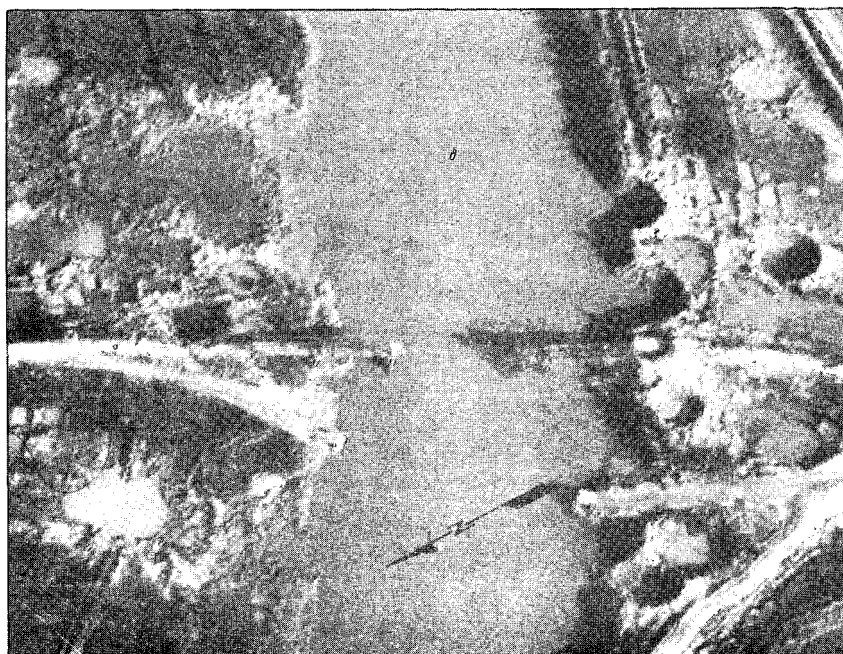
MATERIAL Concrete and steel  
NO. OF SPANS 5  
LENGTH OF EACH SPAN 40' approx.

## STATUS:

Bridge replaced by cable bridge.

## COMPENSATIVE ACTION:

Possible pontoon bridge or ferry crossing.

25X1 ~~CONFIDENTIAL~~

**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Khe Thi Hwy. Bridge over  
Song Yen   
Bridge No. 55 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 37N - 105 39E  
WG 679699

25X1

MAP JOG (A) 1501 NE 48-3

BRIEF NO:  
PIB 75391  
December 1966

LOCATION: At An Trach (1) on Route 704.

## DESCRIPTION:

LENGTH 100' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Timber and concrete  
NO. OF SPANS 6  
LENGTH OF EACH SPAN 2 @ 20' approx.  
4 @ 15' approx.

## STATUS:

Two spans destroyed; one span partially dropped; one pier destroyed;  
two piers damaged; southern approach interdicted.

## COMPENSATIVE ACTION:

Ferry and pontoon bridge.

25X1 **CONFIDENTIAL**

**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

| NAME                                             | COUNTRY       | COORDINATES                   |
|--------------------------------------------------|---------------|-------------------------------|
| Dong Tan Hwy. Bridge<br>Bridge No. 46 on NE 48-3 | North Vietnam | 19 45N - 105 25E<br>WG 442840 |
|                                                  |               | BRIEF NO:                     |
|                                                  |               | PIB 75392                     |
| MAP JOG (A) 1501 NE 48-3                         |               | December 1966                 |

25X1

LOCATION: 0.5 nm NE of Dong Tan on Route 15.

## DESCRIPTION:

LENGTH 45' approx.  
WIDTH 10' approx.  
TYPE Deck

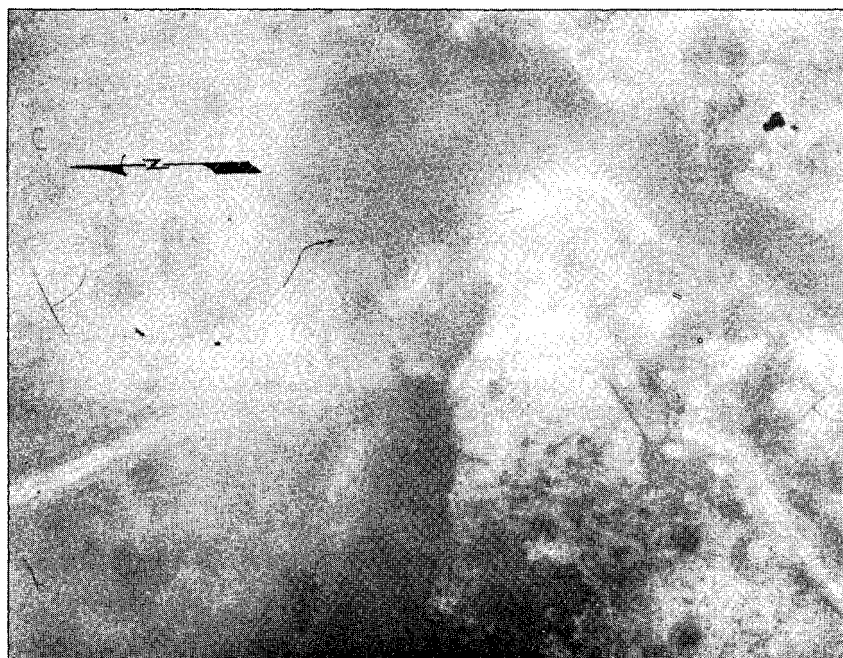
MATERIAL Wood  
NO. OF SPANS 3 probable  
LENGTH OF EACH SPAN 15' approx.

## STATUS:

Bridge completely destroyed.

## COMPENSATIVE ACTION:

None

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## CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Lang Quach Ngoai RR. Bridge N  
over Ngoi Vai [REDACTED]  
25X1 Bridge No. 2 on NF 48-10  
[REDACTED]  
MAP JOG (A) 1501 NF 48-10

COUNTRY  
North Vietnam

COORDINATES  
21 54N - 104 39E  
VK 647231

BRIEF NO:  
PIB 75393  
December 1966

LOCATION: 1.5 nm W of Lang Quach on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

25X1 LENGTH [REDACTED]  
WIDTH [REDACTED]  
TYPE Deck-beam  
MATERIAL Wood  
NO. OF SPANS 4 probable  
LENGTH OF EACH SPAN [REDACTED]

25X1

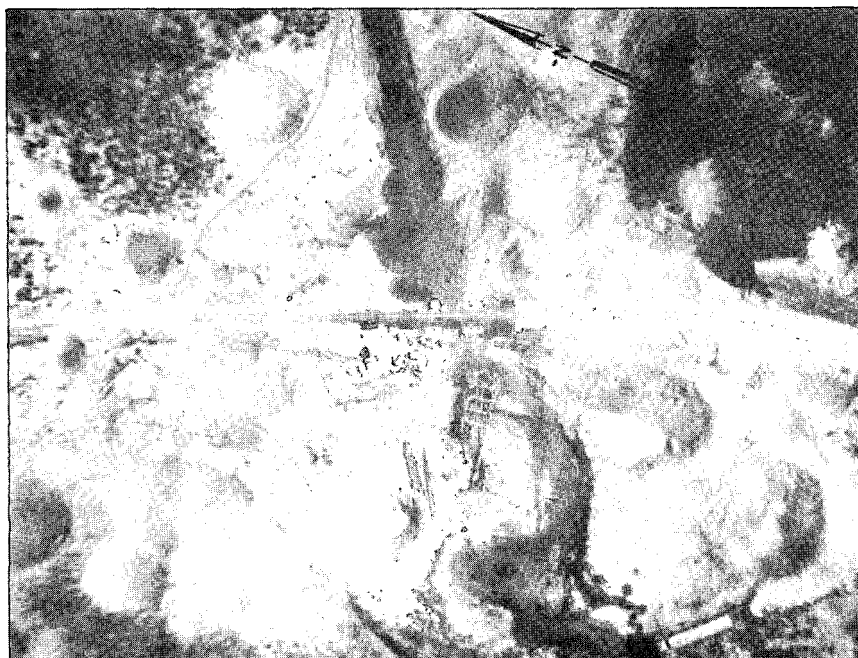
## STATUS:

Repaired and serviceable.

## COMPENSATIVE ACTION:

None

25X1 [REDACTED]

~~CONFIDENTIAL~~



**CONFIDENTIAL**

## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                             |         |               |             |                               |
|------|------|-----------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Lang Khay RR. Bridge over<br>Ngoi Kay [redacted]<br>Bridge No. 8 on NF 48-6 | COUNTRY | North Vietnam | COORDINATES | 22 01N - 104 31E<br>VK 509359 |
|      | 25X1 | [redacted]                                                                  |         |               | BRIEF NO:   | PIB 75394<br>December 1966    |
|      | MAP  | JOG (A) 1501 NF 48-6                                                        |         |               |             |                               |

LOCATION: 1.5 nm NW of Khe Se on Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|      |        |                        |                     |                                                     |
|------|--------|------------------------|---------------------|-----------------------------------------------------|
| 25X1 | LENGTH | 135' approx.           | MATERIAL            | Wood, steel, and concrete                           |
|      | WIDTH  | [redacted]             | NO. OF SPANS        | 3                                                   |
|      | TYPE   | (Single track)<br>Deck | LENGTH OF EACH SPAN | 1 @ 90' approx., 1 @ 30' approx.<br>1 @ 15' approx. |

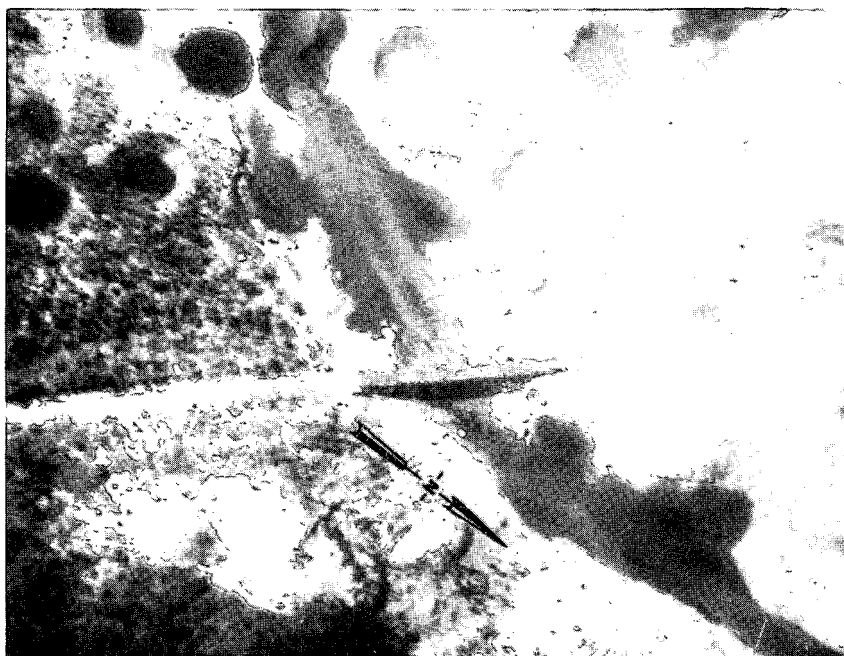
## STATUS:

Repaired and serviceable.

## COMPENSATIVE ACTION:

NA

25X1

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CIA IMAGERY ANALYSIS DIVISION

|                                                                         |                          |                                              |
|-------------------------------------------------------------------------|--------------------------|----------------------------------------------|
| NAME Trong Quang Tien RR. By-pass<br>Bridge<br>Bridge No. 37 on NE 48-3 | COUNTRY<br>North Vietnam | COORDINATES<br>19 37N - 105 42E<br>WG 744699 |
| [REDACTED]                                                              |                          | BRIEF NO:<br>PIB 75395<br>December 1966      |
| MAP JOG (A) 1501 NE 48-3                                                |                          |                                              |

25X1

LOCATION: 1.3 nm E of Trong Quang Tien on Hanoi/Vinh Rail Line.

DESCRIPTION:

LENGTH [REDACTED]  
WIDTH [REDACTED]  
TYPE Deck (Single track)

MATERIAL Wood and steel  
NO. OF SPANS 5 probable  
LENGTH OF EACH SPAN [REDACTED]

25X1

25X1

STATUS:

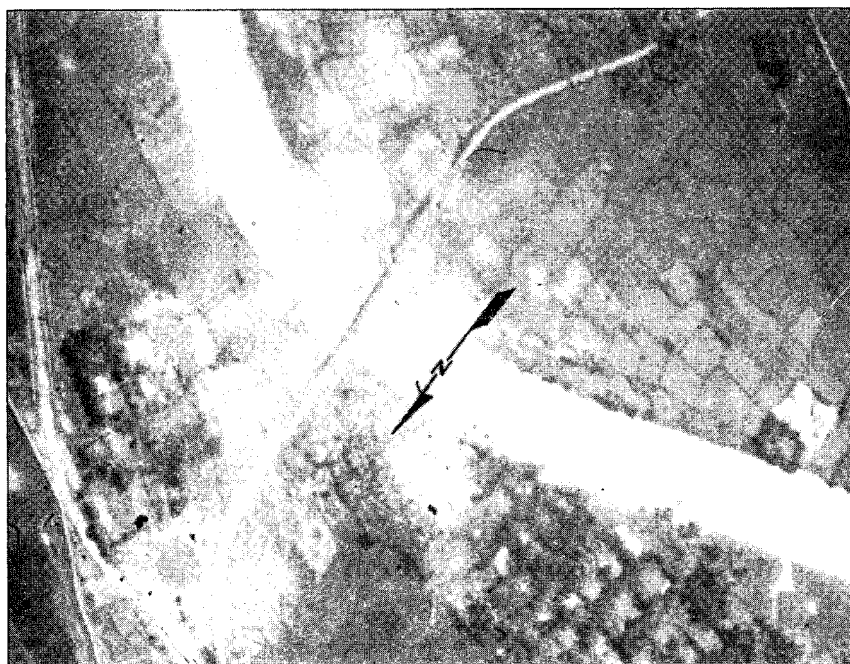
Bridge repaired and serviceable.

COMPENSATIVE ACTION:

NA

25X1

[REDACTED]



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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      |                                                                                                                                                                                                     |         |               |             |                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| NAME | Trong Quang Tien RR. Bridge<br>over Song Yen <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span><br>Bridge No. 37 on NE 48-3 | COUNTRY | North Vietnam | COORDINATES | 19 37N - 105 42E<br>WG 744699 |
| MAP  | JOG (A) 1501 NE 48-3                                                                                                                                                                                |         |               | BRIEF NO:   | PIB 75396<br>December 1966    |

LOCATION: 1.2 nm E of Trong Quang Tien on Hanoi/Vinh Rail Line.

## DESCRIPTION:

|        |                            |                     |             |
|--------|----------------------------|---------------------|-------------|
| LENGTH | 195' approx.               | MATERIAL            | Steel       |
| WIDTH  | 10' approx. (Single track) | NO. OF SPANS        | 3           |
| TYPE   | Deck-girder                | LENGTH OF EACH SPAN | 65' approx. |

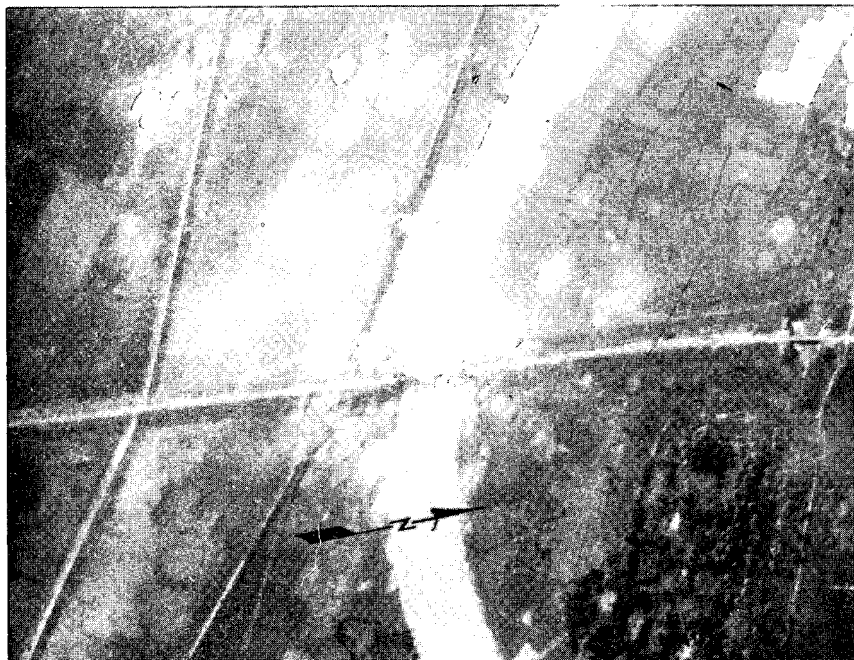
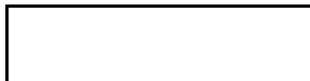
## STATUS:

All spans damaged/destroyed.

## COMPENSATIVE ACTION:

By-pass bridge is serviceable.

25X1

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                |               |  |                  |
|------|------|--------------------------------|---------------|--|------------------|
| 25X1 | NAME | Dia Thuy RR. By-pass Bridge NW | COUNTRY       |  | COORDINATES      |
|      |      | over Khe Dua [ ]               |               |  | 19 23N - 105 43E |
| 25X1 |      | Bridge No. 60 on NE 48-3       | North Vietnam |  | WG 756418        |
|      |      | [ ]                            |               |  | BRIEF NO:        |
|      | MAP  | JOG (A) 1501 NE 48-3           |               |  | PIB 75397        |
|      |      |                                |               |  | December 1966    |

LOCATION: 0.5 nm SE of Dong Ky on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

|      |        |                    |                     |                                                     |
|------|--------|--------------------|---------------------|-----------------------------------------------------|
| 25X1 | LENGTH | 130' approx.       | MATERIAL            | Wood, concrete and steel                            |
|      | WIDTH  | [ ] (Single track) | NO. OF SPANS        | 5 probable                                          |
|      | TYPE   | Deck-beam          | LENGTH OF EACH SPAN | 1 @ 40' approx., 1 @ 30' approx.<br>3 @ 20' approx. |

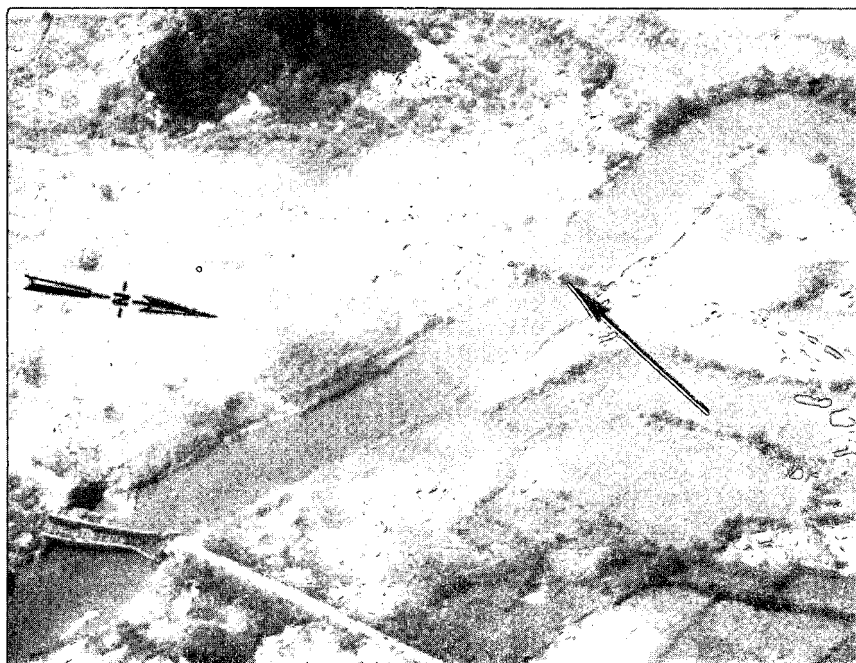
## STATUS:

Repaired and serviceable.

## COMPENSATIVE ACTION:

Main bridge (Dia Thuy RR. Bridge SW [ ]) remains unserviceable. 25X1

25X1 [ ]

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~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

|      |      |                                                                                       |         |               |             |                               |
|------|------|---------------------------------------------------------------------------------------|---------|---------------|-------------|-------------------------------|
| 25X1 | NAME | Pho Hop RR. Bridge over<br>Ngon Hop <input type="text"/><br>Bridge No. 26 on NF 48-10 | COUNTRY | North Vietnam | COORDINATES | 21 49N - 104 45E<br>VK 752127 |
| 25X1 | MAP  | JOG (A) 1501 NF 48-10                                                                 |         |               | BRIEF NO:   | PIB 75398<br>December 1966    |

LOCATION: 2.3 nm SW of Lang Dong on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

|      |        |                      |                     |                                    |
|------|--------|----------------------|---------------------|------------------------------------|
| 25X1 | LENGTH | 90' approx.          | MATERIAL            | Wood                               |
|      | WIDTH  | <input type="text"/> | NO. OF SPANS        | 3                                  |
|      | TYPE   | Deck-beam            | LENGTH OF EACH SPAN | 2 @ 40' approx.<br>1 @ 10' approx. |

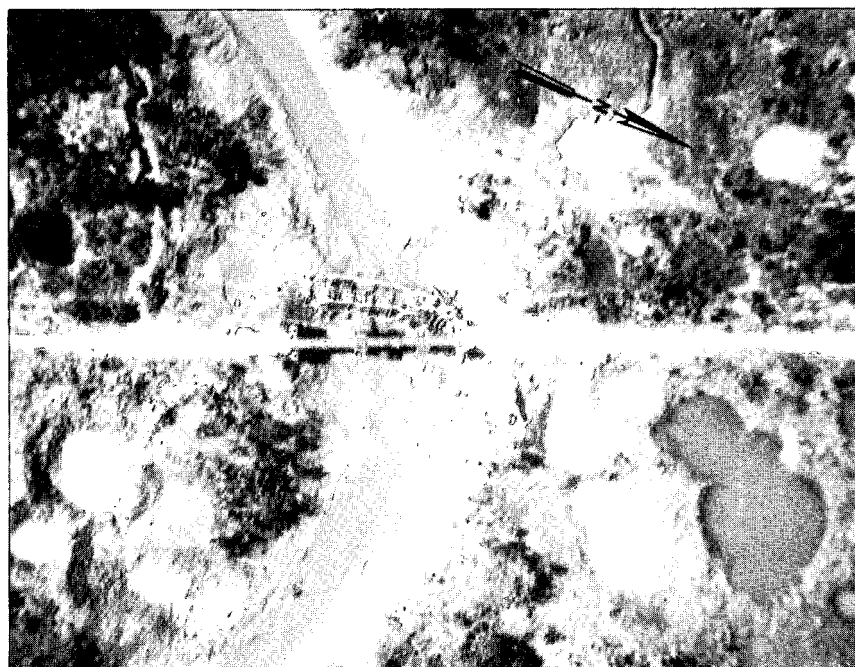
## STATUS:

Bridge repaired and serviceable.

## COMPENSATIVE ACTION:

NA

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

## CIA IMAGERY ANALYSIS DIVISION

NAME Pho Chang RR. Bridge over

COUNTRY

COORDINATES

25X1 Ngoi Trang 

21 51N - 104 43E

Bridge No. 15 on NF 48-10

North Vietnam

VK 712172

25X1   
MAP JOG (A) 1501 NF 48-10

BRIEF NO:

PIB 75399

December 1966

LOCATION: 0.9 nm SW of Ngoi Chang on the Hanoi/Lao Cai Rail Line.

## DESCRIPTION:

LENGTH 75' approx.  
 WIDTH 15' approx. (Single track)  
 TYPE Half through plate girder

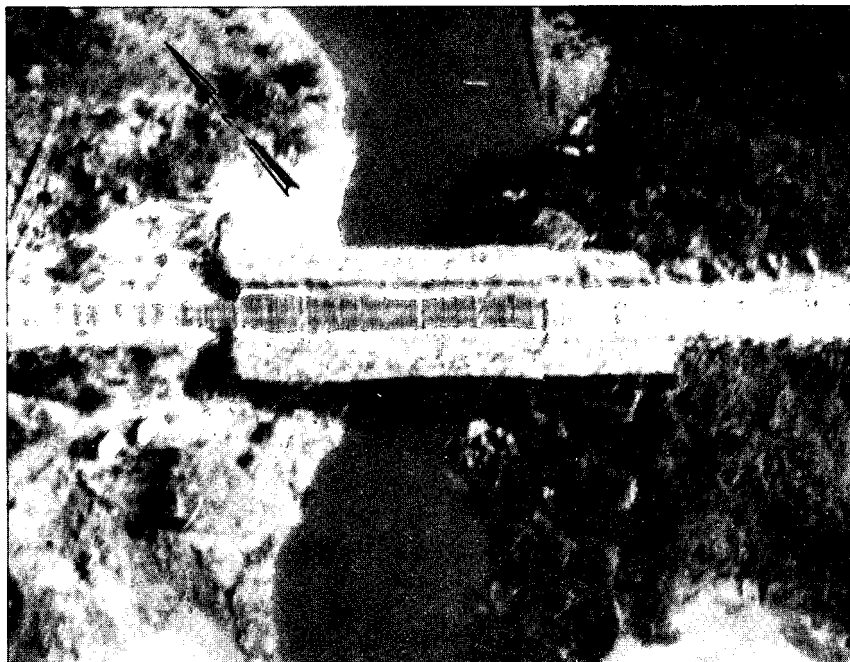
MATERIAL Steel and concrete  
 NO. OF SPANS 1  
 LENGTH OF EACH SPAN 75' approx.

## STATUS:

Bridge is repaired, camouflaged, and serviceable.

## COMPENSATIVE ACTION:

None

25X1 ~~CONFIDENTIAL~~