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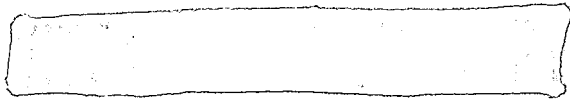


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IMAGERY
ANALYSIS
DIVISION

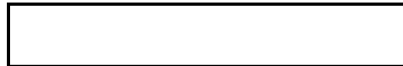
PIR

PHOTOGRAPHIC INTELLIGENCE REPORT



STATUS OF NORTH VIETNAMESE RAILROADS

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Declass Review by NIMA/DOD

Report No. 13
CIA/PIR 75050

DATE October 1966

GROUP 1
Excluded from automatic
downgrading and declassification

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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PREFACE

This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography (received by the CIA Imagery Analysis Division) during the period indicated on the cover. This report is intended to provide a comprehensive view of the railroad system and does not necessarily reflect the most recent status changes as reported by pilots' reports or field photo intelligence cables.

The railroad system has been broken down into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure I). Annotated maps and photos are used to show the status of each line.

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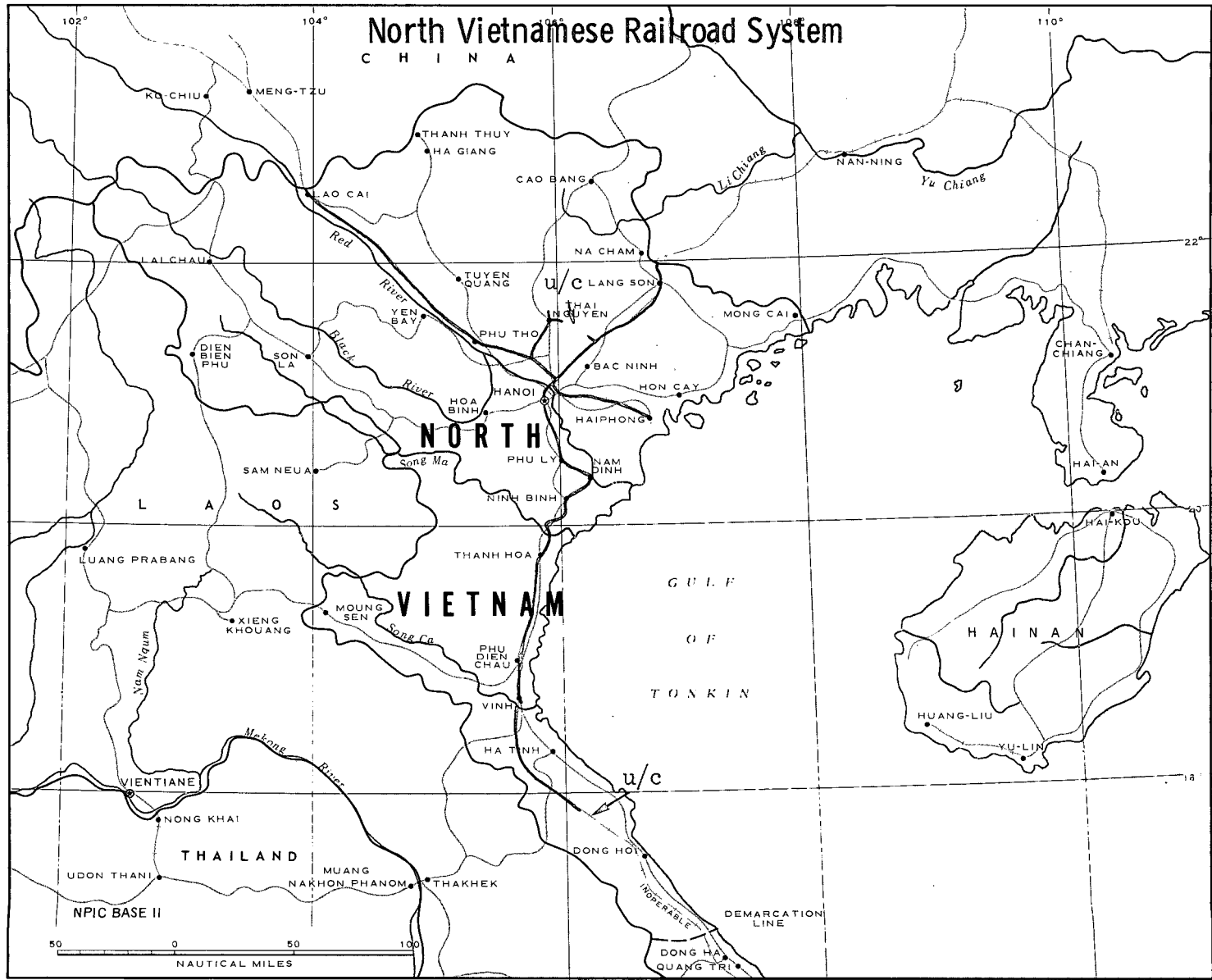
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Approved For Release 2003/03/04 : CIA-RDP78T05161A001200010032-1

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FIGURE 1



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SUMMARY

Those segments of the Hanoi/Dong Dang, Hanoi/Haiphong, and Thai Nguyen Rail Lines covered by interpretable photography were open to through traffic. The Hanoi/Lao Cai Rail Line is interdicted in 2 places, and the Hanoi/Dong Hoi Rail Line is interdicted in 14 places. The Kep/Thai Nguyen segment of the Thai Nguyen Rail Line is nearly complete.

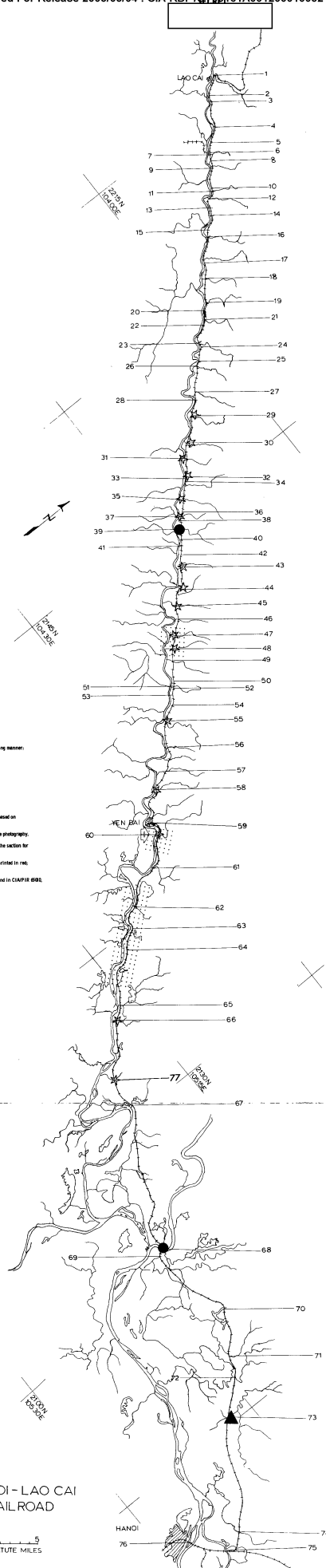
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Hanoi/Dong Hoi Line	7
Hanoi/Haiphong Line	16
Thai Nguyen Line	17

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FIGURE 2



KEY

All Maps within this report have been keyed in the following manner:

- Main bridge symbol - new construction.
- Bypass bridge or bridge under construction.
- Main bridge under construction.
- ▲ All bridge crossing facilities unworkable.
- ▲ Bypass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- Section of rail line covered by woodlands, interpretable photography.
- * User of interest. Turn to this line number within the section for further information.

All intelligence developed within the reporting period is printed in red when intelligence is printed in black.

Description of bridges numbered 1 through 76 can be found in CAMFIR 6808, August 1968.

HANOI - LAO CAI
RAILROAD

0 5
STATUTE MILES

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[REDACTED]

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ITEM OF INTEREST NO. 1: Hanoi/Lao Cai RR. Bridge

NAME : Tuan Quan RR. Bridge

BE : [REDACTED]

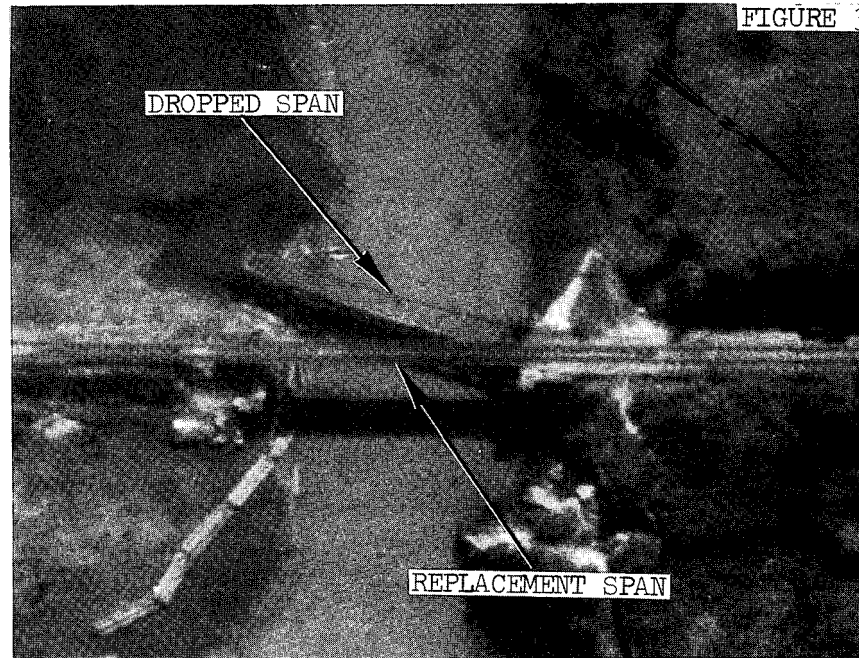
COORDINATES : 21 42N - 104 54E, VJ 903995

PHOTO REFERENCE : [REDACTED]

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MAP REFERENCE : JOG (A) 1501, NF 48-10

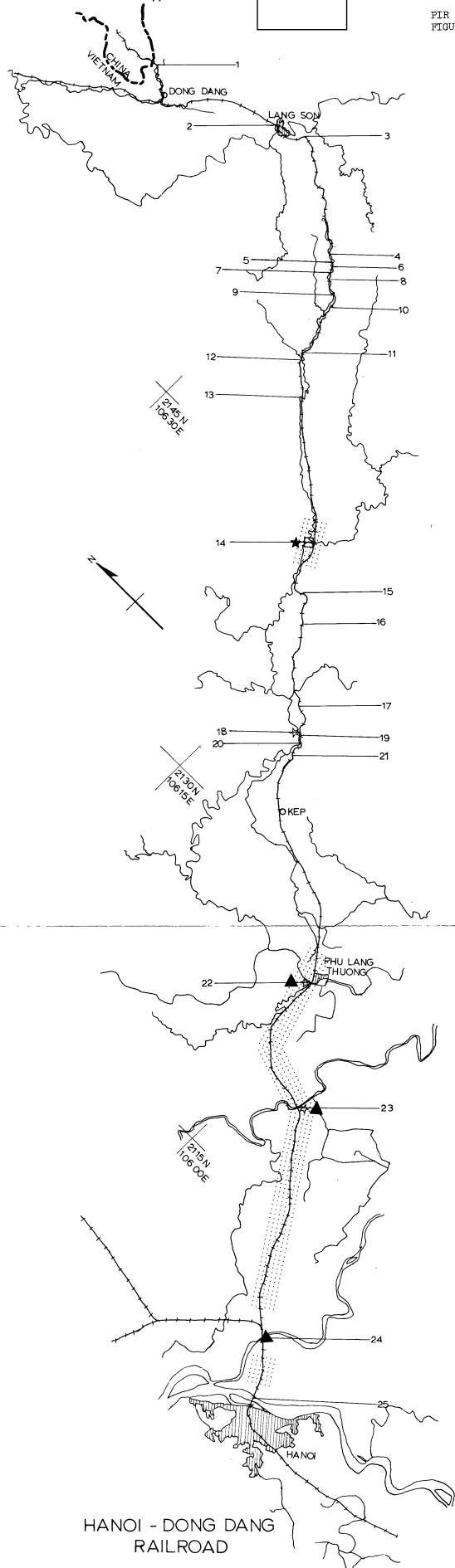
Photography [REDACTED] reveals that the single-span Tuan Quan Railroad Bridge has been dropped. A replacement span has been erected on the original abutments. The bridge is completely repaired and serviceable.



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[REDACTED]

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KEY

All maps within this report have been taped in the following manner:

- Main bridge location - new serviceable.
- By-pass bridge or bridge serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- ... Original bridge has not been damaged or destroyed based on available photography.
- ▨ Extent of rail line covered by available, interpretable photography.
- ▨ Item of interest. Item to be item number within the section for further consideration.

All intelligence developed within the reporting period is printed in red, other intelligence is printed in black.

Description of bridges numbered 1 through 25 can be found in CSAR-10, 8004, August 1965.

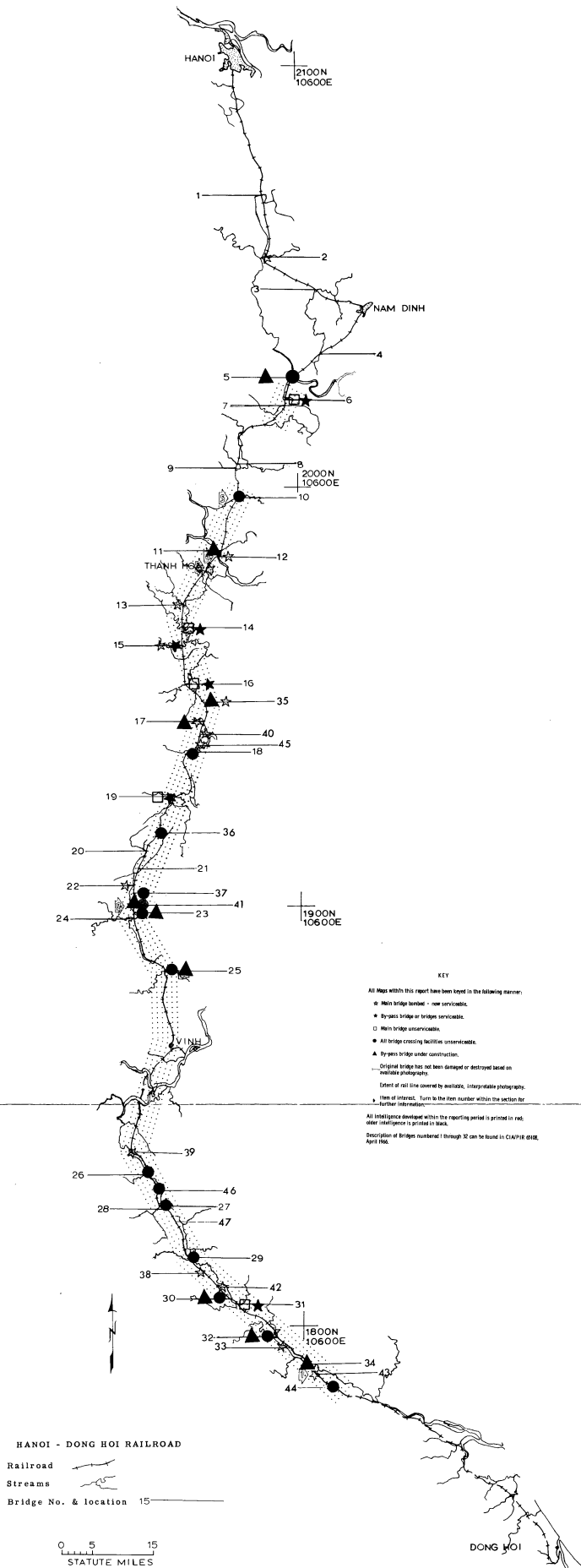
HANOI - DONG DANG RAILROAD

0 5 10
STATUTE MILES

RAILROAD
STREAMS
BRIDGE NO. & LOCATION

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FIGURE 5



-7-
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[Redacted]

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ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

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NAME : Dong Ca Thon RR. Bridge

BE : [Redacted]

COORDINATES : 17 53N - 106 01E, XE 078787

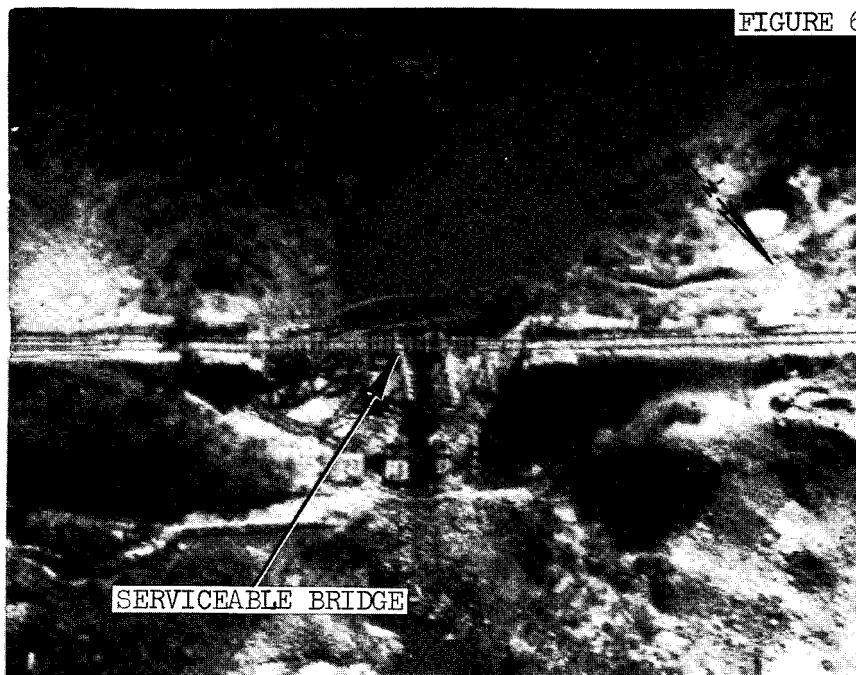
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PHOTO REFERENCE : [Redacted]

MAP REFERENCE : JOG (A) 1501, NE 48-11

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Photography [Redacted] reveals that the Dong Ca Thon Railroad Bridge has been repaired and is serviceable to light traffic.



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[Redacted]

25X1

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[Redacted]

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ITEM OF INTEREST NO. 2: Hanoi/Dong Hoi Rail Line

NAME : Tu My RR. Bridge

BE : NA

COORDINATES : 18 59N - 105 34E, WG 611001

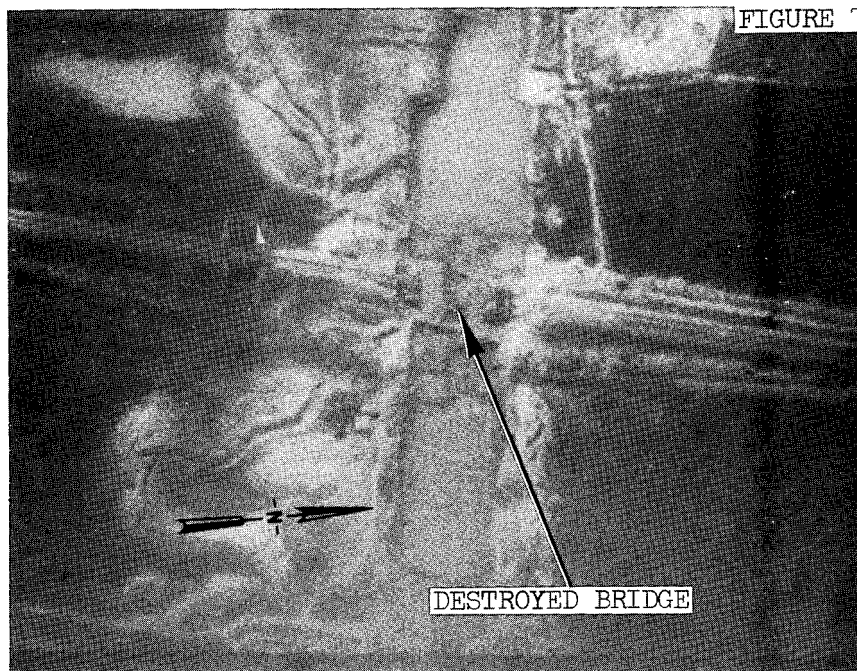
PHOTO REFERENCE : [Redacted]

25X1

MAP REFERENCE : JOG (A) 1501, NE 48-7

Photography [Redacted] reveals that the Tu My Railroad Bridge has been completely destroyed. Reconstruction has begun on the main bridge, and construction of a by-pass bridge continues to the east of the destroyed bridge.

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[Redacted]

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25X1

[Redacted]

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ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME : Thanh Hoa RR. Station and Yards

BE : [Redacted]

25X1

COORDINATES : 19 48N - 105 46E, WG 807906

PHOTO REFERENCES : [Redacted]

25X1

MAP REFERENCE : JOG (A) 1501, NE 48-3

Comparative photography [Redacted] reveals the extent of damage incurred by an air strike on the Thanh Hoa Railroad Yards. Approximately 18 pieces of rolling stock appear damaged or destroyed, approximately 62 cars are undamaged, and the rail is interdicted in 3 places within the yard.

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[Redacted]

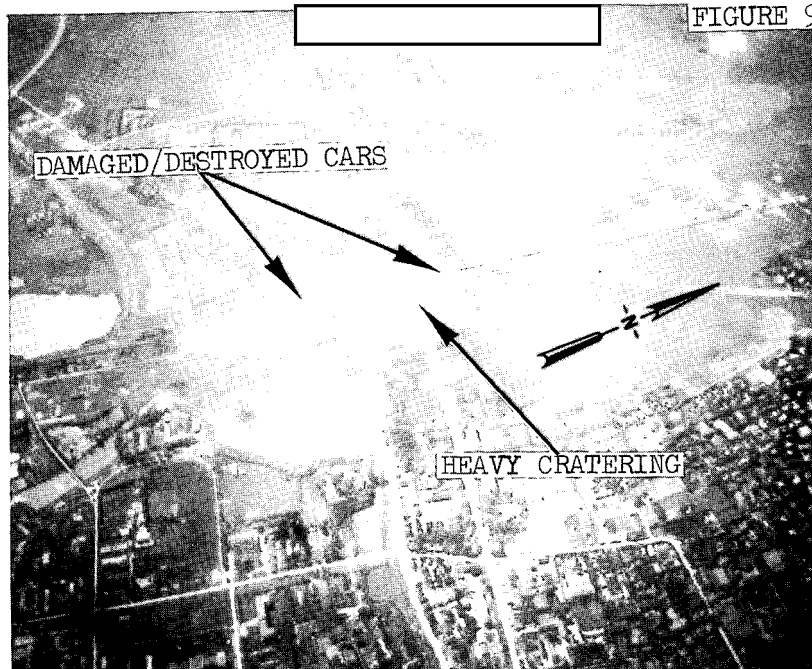
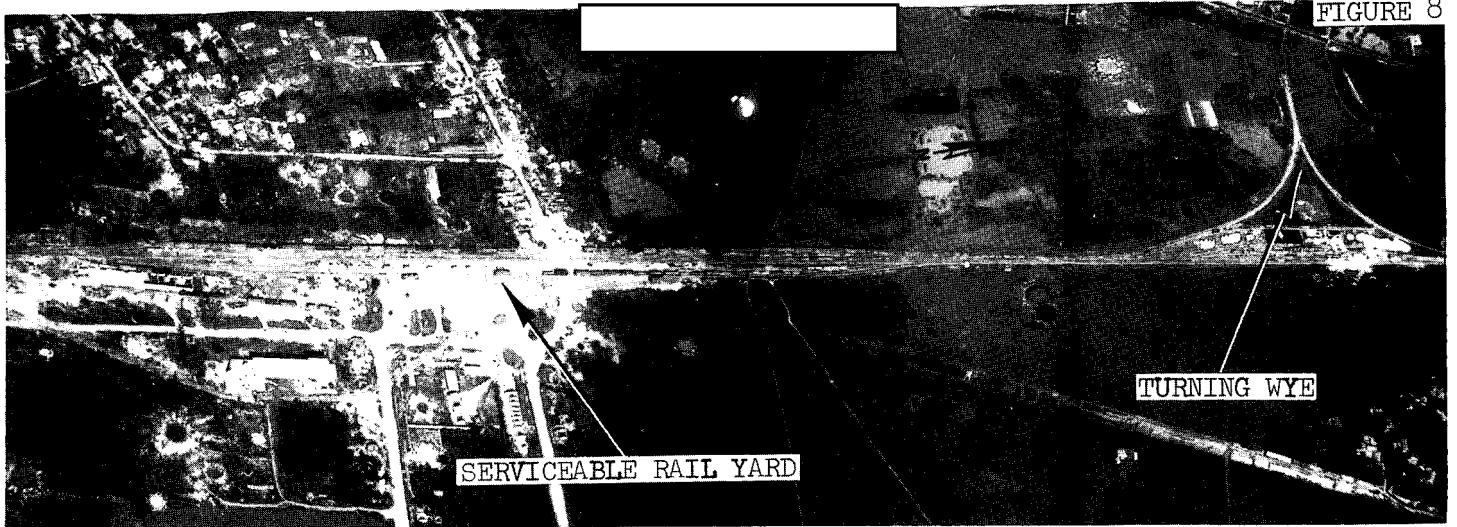
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CIA IMAGERY ANALYSIS DIVISION

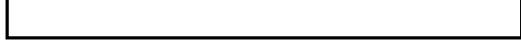
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[Redacted]

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ITEM OF INTEREST NO. 4: Hanoi/Dong Hoi Rail Line

NAME : Thanh Hoa RR. Ferry and Terminal Facility, Ham Rong

BE : [Redacted]

COORDINATES : 19 50N - 105 48E, WG 841933

PHOTO REFERENCES : [Redacted]

MAP REFERENCE : JOG (A) 1501, NE 48-3

25X1

25X1

Comparative photography [Redacted] reveals the results of an air strike against the Thanh Hoa Railroad Ferry and Terminal Facility. The railroad approaches to the ferry slips on the north bank of the Song Ma (River) are heavily cratered, although the ferry slips are intact. On the south bank, the railroad approach has been interdicted in several places. The Thanh Hoa Bridge itself has not been damaged, but the main line track to the north has been heavily interdicted.

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The Terminal Facility has been heavily damaged and the track is interdicted in many places. Much of the rolling stock in the yard at the time of the attack has been destroyed. Forty-four pieces were damaged or destroyed, leaving only 42 pieces of serviceable equipment.

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[Redacted]

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FIGURE 10

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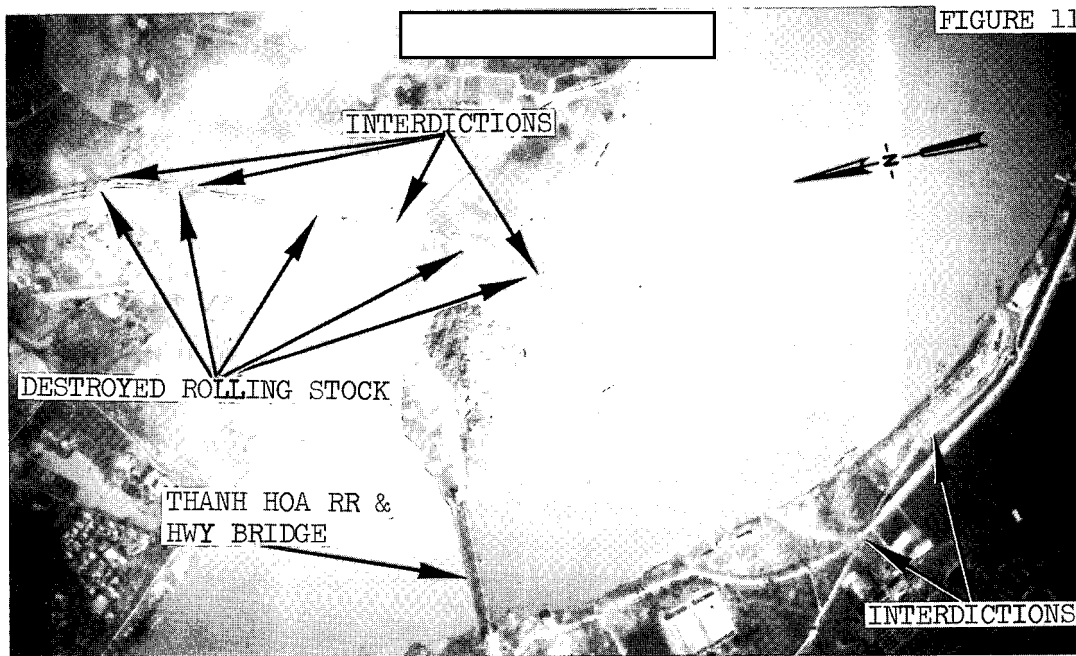


FIGURE 11

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[Redacted]

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ITEM OF INTEREST NO. 5: Hanoi/Dong Hoi Rail Line

NAME : Dong Phong Thuong RR. By-pass Bridge No. 1

BE : NA

COORDINATES : 19 58N - 105 51E, WH 890090

PHOTO REFERENCE : [Redacted]

MAP REFERENCE : JOG (A) 1501, NE 48-3

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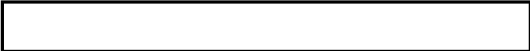
Photography [Redacted] reveals two deck sections on the north approach of the Dong Phong Thuong Railroad By-pass Bridge No. 1. This bridge is under repair and is rapidly approaching completion. A rail-mounted crane is located on a short spur just north of the deck sections. The deck sections will probably be lowered into place across the destroyed spans by the crane when the bridge repairs are completed. The south approach to the bridge is cratered.

The main bridge and two other by-passes continue to be unserviceable.

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[Redacted]

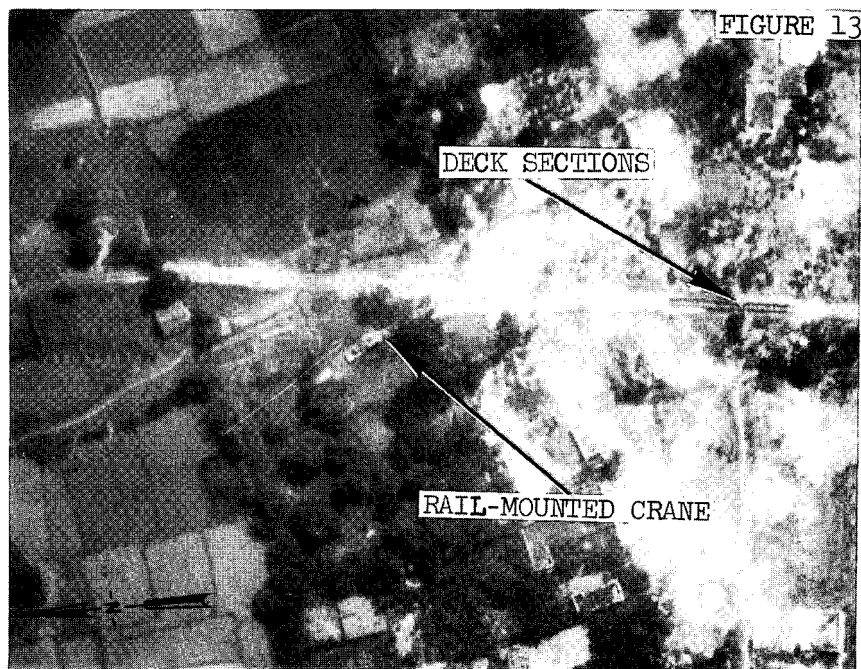
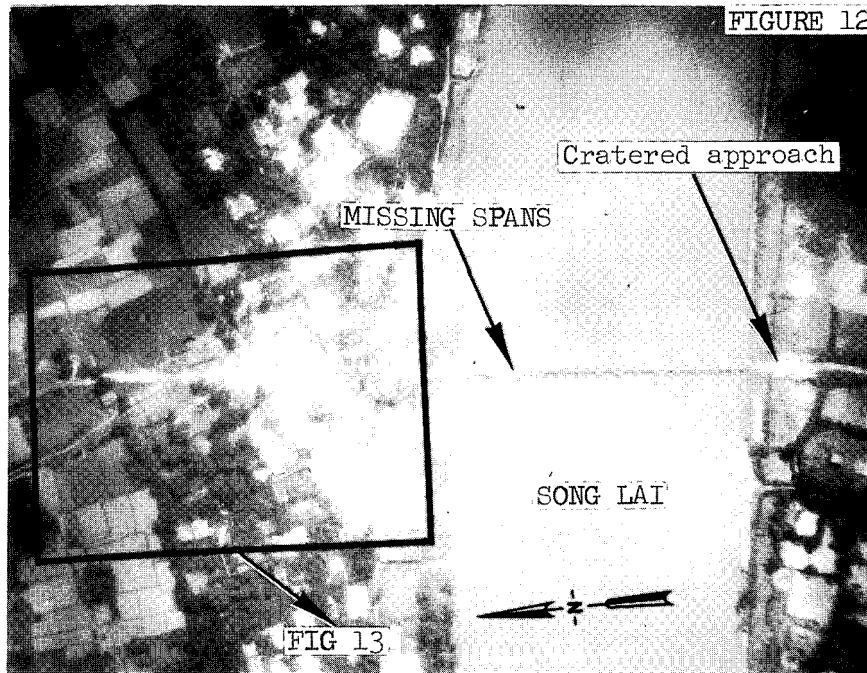
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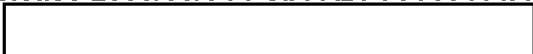
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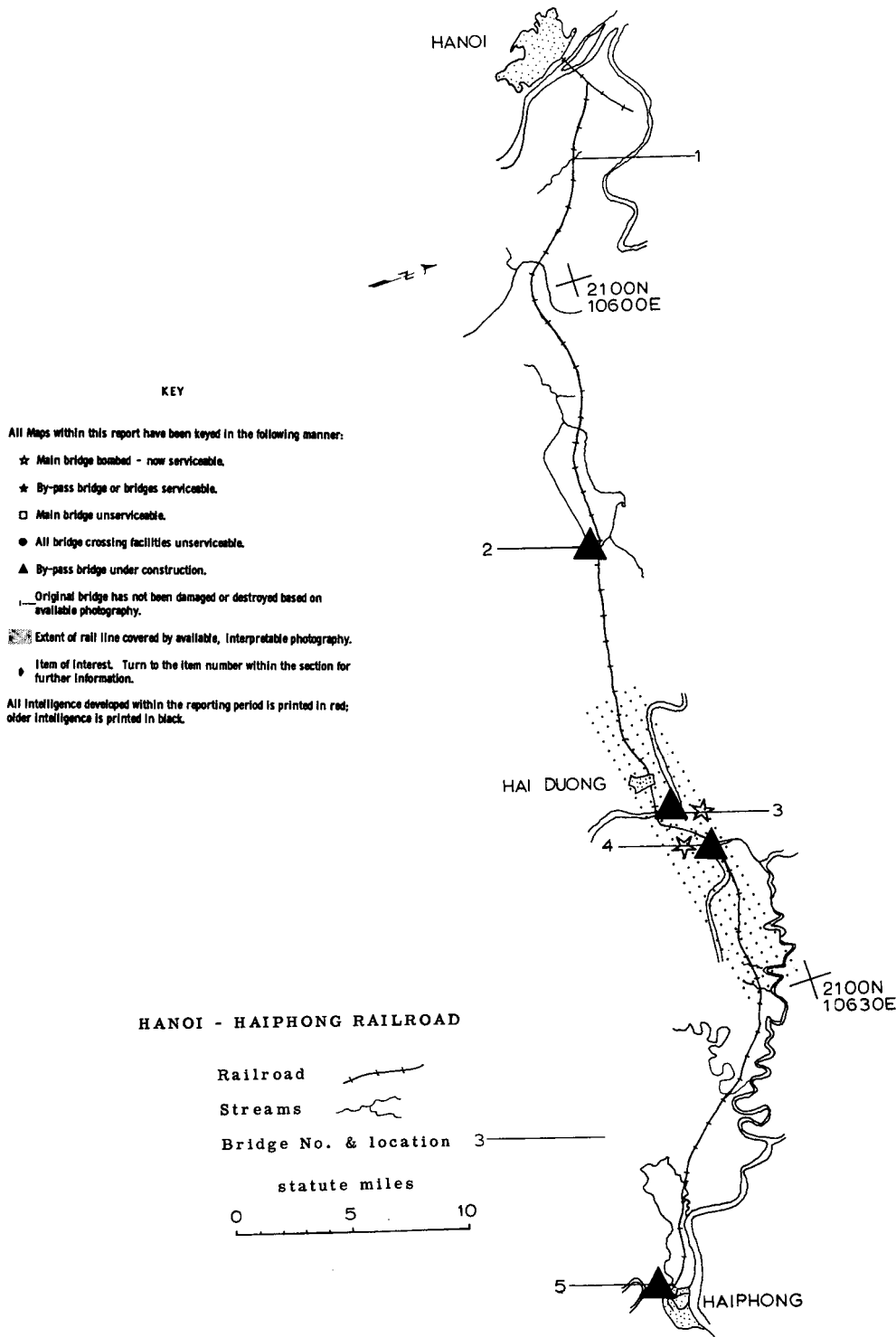


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FIGURE 14

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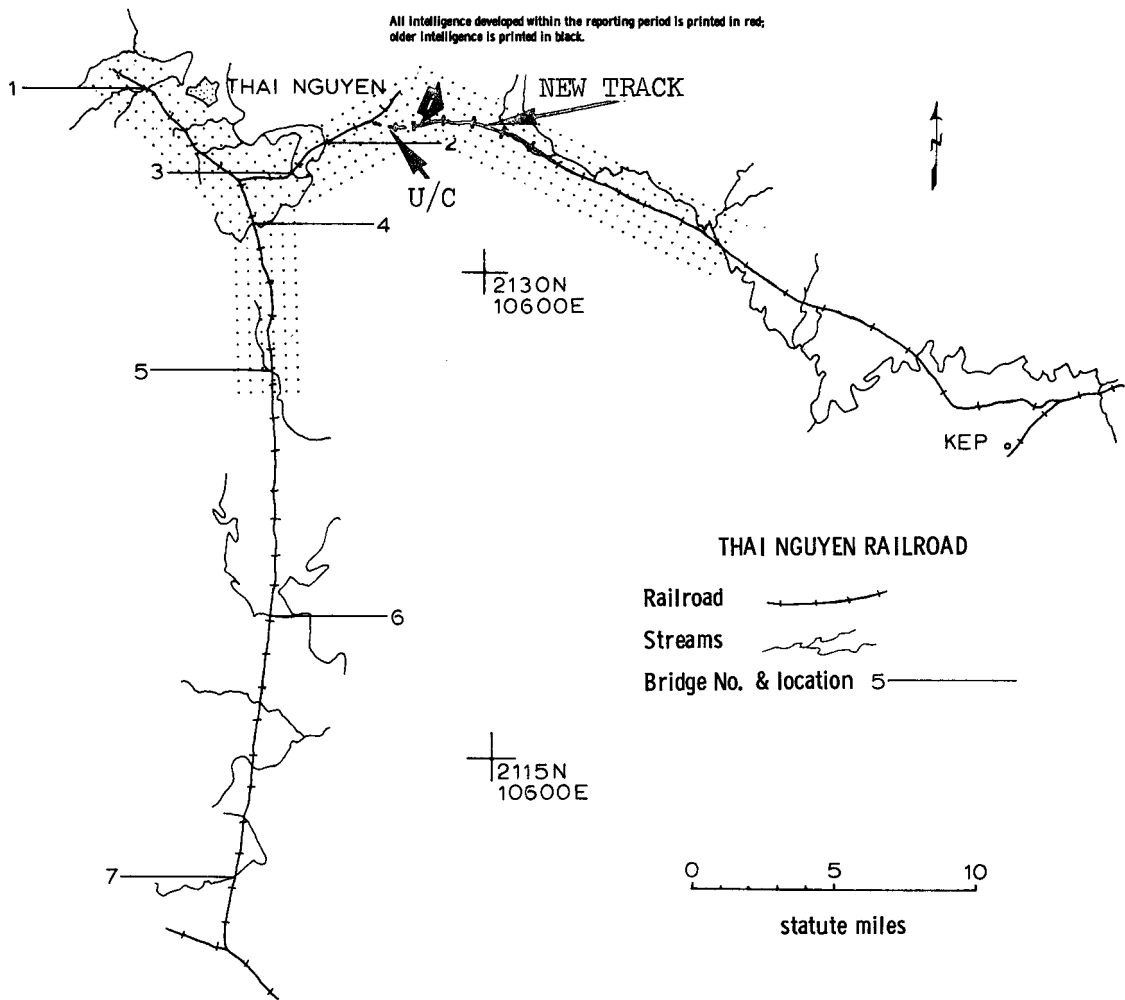
25X1

KEY

All Maps within this report have been keyed in the following manner:

- ★ Main bridge bombed - now serviceable.
- ★ By-pass bridge or bridges serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- ▨ Extent of rail line covered by available, interpretable photography.
- Item of Interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.



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[Redacted]

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ITEM OF INTEREST NO. 1: Thai Nguyen Rail Line

NAME : Railroad Construction

BE : NA

COORDINATES : 21 34N - 106 00E, XJ 047860 to
21 34N - 105 57E, WJ 990865

25X1

PHOTO REFERENCES :

[Redacted]

MAP REFERENCE : JOG (A) 1501, NF 48-11

25X1

Construction on the Kep-Thai Nguyen segment of the Thai Nguyen Rail Line is rapidly nearing completion. Photography [Redacted] revealed that the probable rail head was located at 21 34N - 106 00E (UTM XJ 047860). Photography [Redacted] revealed that the track had been extended approximately 3.2 nm westward to 21 34N - 105 57E (UTM WJ 990865). There are 2 tunnels along this part of the line. Track has apparently been constructed through the easternmost tunnel and is approaching the other. About 1 nm remains between the present rail head and a serviceable spur leading to the Thai Nguyen Iron Ore Processing Plant [Redacted] This spur connects with the Thai Nguyen Rail Line.

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[Redacted]

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