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Approved For Release 2001/03/03 : CIA-RDP78T05439A000400160052-7

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J.B. Brown

25X1C

SECRET - NOFORN EXCEPT

DECLASSIFICATION REVIEW by NIMA/DOD 4/12/00

IB - 385/64
21 October 1964
Copy No. 8

MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

25X1A

ATTENTION : [REDACTED]

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, CIA/PID (NPIC)

SUBJECT : Highway Bridges, Selected Routes, North Vietnam

REFERENCES : (1) ORR Requirement No. C-RR4-81,813
(2) CIA/PID Project No. C 1504-64

1. This memorandum is in response to the above referenced requirement which concerns the highway bridge construction program of North Vietnam National Routes 7, 8, 12, and 1. Included within this memorandum is information pertaining to the location, type of construction, and approximate length of new highway bridges on the above referenced routes.

2. The photographic coverage utilized in satisfying this requirement disclosed new highway bridge construction on Routes 7, 12 and 1. Route 8 had no noticable new bridge construction. The following bridges are either new, under construction, or show signs of preliminary construction. An example of the latter category is the construction of a by-pass road loop around an existing bridge to service the main road while a new bridge is built in place of the older bridge. Examples of these by-pass road loops are shown on photos CIA/PID/IB-P-1342/64, 1345/64, 1346/64, and P-1347/64 (Annotations 3, 6, 7, and 8). Bridges are referred to in the memorandum by place name and geographic coordinates (Reference: AMS Map Series 1509, Sheet NE 48-2/3/7/11/12, Edition 2-AMS, Scale 1:250,000). Provided with the memorandum are 7X enlargements of these bridges (CIA/PID/IB-P-1340/64 through P-1356/64) and an overlay depicting their locations (CIA/PID/IB-P-1357/64) (Reference: AMS Map Series 1301, Sheet NE 48, Scale 1:1,000,000). Mensuration, where possible, was performed by the analyst and are approximations only. Aerial photography [REDACTED] was utilized to identify new bridges and confirm indications of new construction.

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3. Bridge construction on Route 7 is concentrated along the Nam Mo (river) from Cua Rao, North Vietnam (19° 17'N - 104° 26'E) to the Laotian Border. [REDACTED] provided the best coverage of this route and yielded the following information:

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Excluded from automatic downgrading and declassification

[REDACTED]

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a. A new highway bridge (approximate length 150') under construction near Ban Ang, North Vietnam (19° 15'N - 104° 24'E), replacing an older bridge at the same location. A by-pass road loop services the main road during construction. (CIA/PID/IB-P-1340/64, Annotation 1).

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b. A deck-type highway bridge (approximate length 275') under construction in [REDACTED] is now completed near Khe Kien, North Vietnam (19° 16'N - 104° 21'E). (CIA/PID/IB-P-1341/64, Annotation 2).

c. A by-pass road loop has been constructed around the deck-type highway bridge (approximate length 125') near Ban Houei Cu, North Vietnam (19° 19'N - 104° 20'E). (CIA/PID/IB-P-1342/64, Annotation 3).

d. A new highway bridge under construction near Ban Ca Tang, North Vietnam (19° 20'N - 104° 18'E), replacing an older bridge at the same location. A by-pass road loop services the main road during construction. (CIA/PID/IB-P-1343/64, Annotation 4).

e. Deck-type highway bridge (approximate length 140') at ford near Ban Ca Nan, North Vietnam (19° 21'N - 104° 17'E). (CIA/PID/IB-P-1344/64, Annotation 5).

f. A by-pass road loop has been constructed around the deck-type highway bridges near:

(1) Ban Tone, North Vietnam (19° 22'N - 104° 15'E). Approximate bridge length 40'. (CIA/PID/IB-P-1345/64, Annotation 6).

(2) Ban Pieng Hom, North Vietnam (19° 22'N - 104° 14'E). Approximate bridge length 90'. (CIA/PID/IB-P-1346/64, Annotation 7).

(3) Ban Houei Ti, North Vietnam (19° 23'N - 104° 11'E). Approximate bridge length 60'. (CIA/PID/IB-P-1347/64, Annotation 8).

4. No highway bridge construction activity was observed on Route 8.

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25X1D [REDACTED] disclosed no changes since [REDACTED]

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5. Highway bridge construction on Route 12 is concentrated between La Khe Thon, North Vietnam (18° 05'N - 105° 49'E) and the Laotian Border. The following information was obtained from [REDACTED]

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a. Possible ford improvement or preliminary highway bridge construction near Loc Yen, North Vietnam (18° 11'N - 105° 43'E). (CIA/PID/IB-P-1348/64, Annotation 9).

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SUBJECT: Highway Bridges, Selected Routes, North Vietnam

b. Minor improvements to the concrete-deck highway bridge (approximate length 250') near La Khe Thon, North Vietnam (18° 04'N - 105° 49'E). (CIA/PID/IB-P-1349/64, Annotation 10).

c. The ford near Bai Due Thon, North Vietnam (18° 03'N - 105° 50'E) has been replaced by a combination steel-truss rail and highway bridge (approximate length 100'). (CIA/PID/IB-P-1350/64, Annotation 11).

d. The ford near X. Ha, North Vietnam (17° 59'N - 105° 51'E) has been replaced by a deck-type highway bridge (approximate length 210'). (CIA/PID/IB-P-1351/64, Annotation 12).

e. A deck-type highway bridge (approximate length 175'), replaced the northern ford near Xom GI, North Vietnam (17° 58'N - 105° 49'E). (CIA/PID/IB-P-1352/64, Annotation 13).

f. The ford south of La Trong, North Vietnam (17° 51'N - 105° 48'E) is being replaced by a highway bridge. Unable to measure because it is in a preliminary stage of construction. (CIA/PID/IB-P-1353/64, Annotation 14).

g. A highway bridge is replacing the ford near Don Bai Dinh, North Vietnam (17° 46'N - 105° 47'E). Unable to measure because it is in a preliminary stage of construction. (CIA/PID/IB-P-1354/64, Annotation 15).

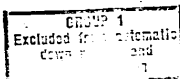
6. No highway bridge construction was observed on Route 1 from Dong Hoi, North Vietnam (17° 28'N - 106° 38'E) to the border of South Vietnam.

provided the following new highway bridge construction on Route 1 north of Dong Hoi, North Vietnam.

a. New highway bridge (approximate length 110') under construction near Kiem Tam, North Vietnam (19° 24'N - 105° 45'E). (CIA/PID/IB-P-1355/64 Annotation 16).

b. New highway bridge (approximate length 130') under construction near Yen Hung, North Vietnam (18° 03'N - 106° 20'E). (CIA/PID/IB-P-1356/64 Annotation 17).

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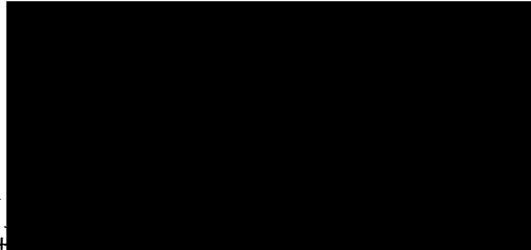
SUBJECT: Highway Bridges, Selected Routes, North Vietnam

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7. The photo analyst assigned to this requirement was [REDACTED] who may be contacted on extension 2422 should any question arise concerning this memorandum. This memorandum, with enclosed enlargements and overlay, completes this requirement.

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ENCLOSURES:

- 17 - Photo Enlargements
(CIA/PID/IB-P-1340/64 thru P-1356/64)
- 1 - Overlay w/Map
(CIA/PID/IB-P-1357/64)

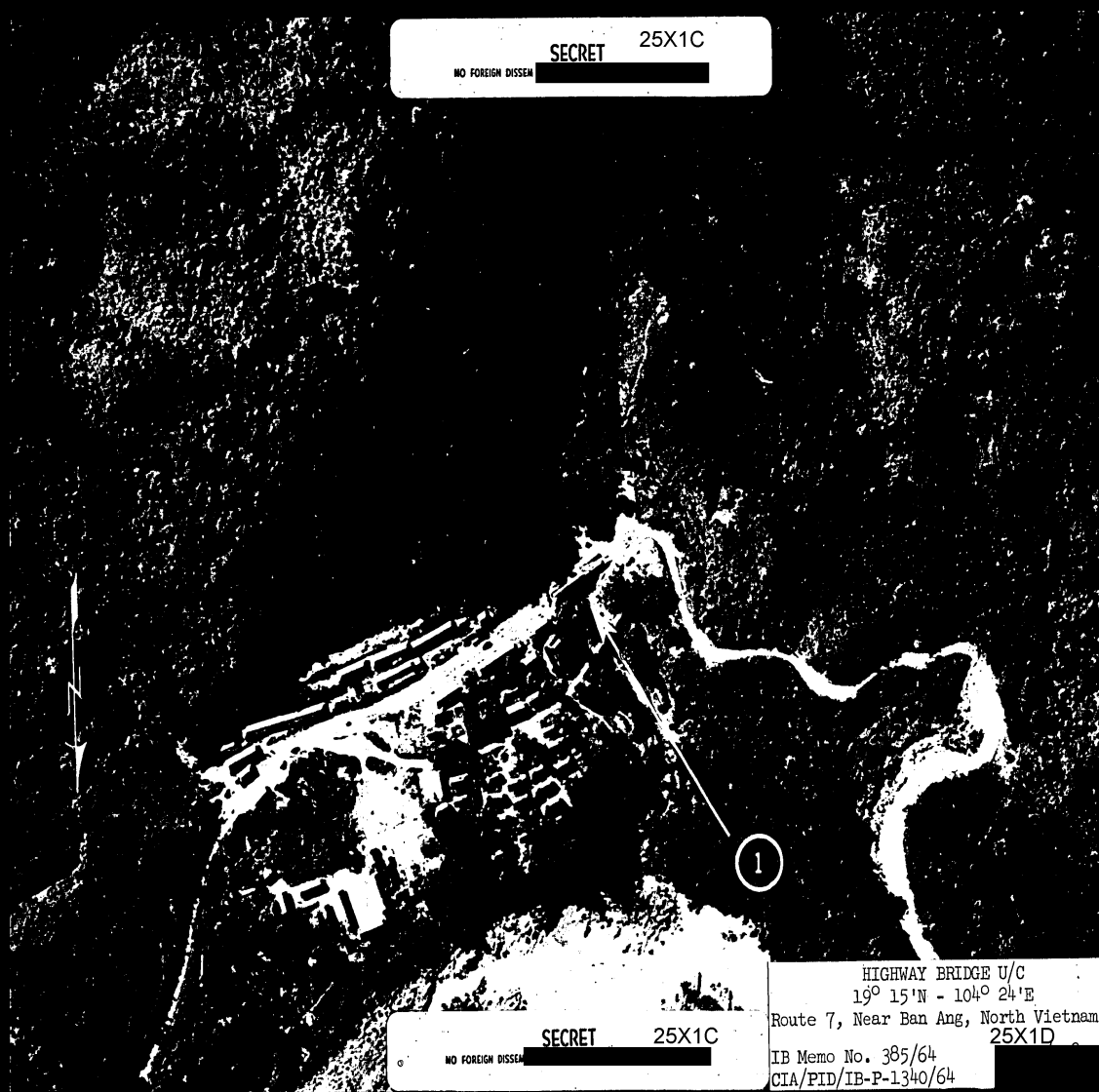
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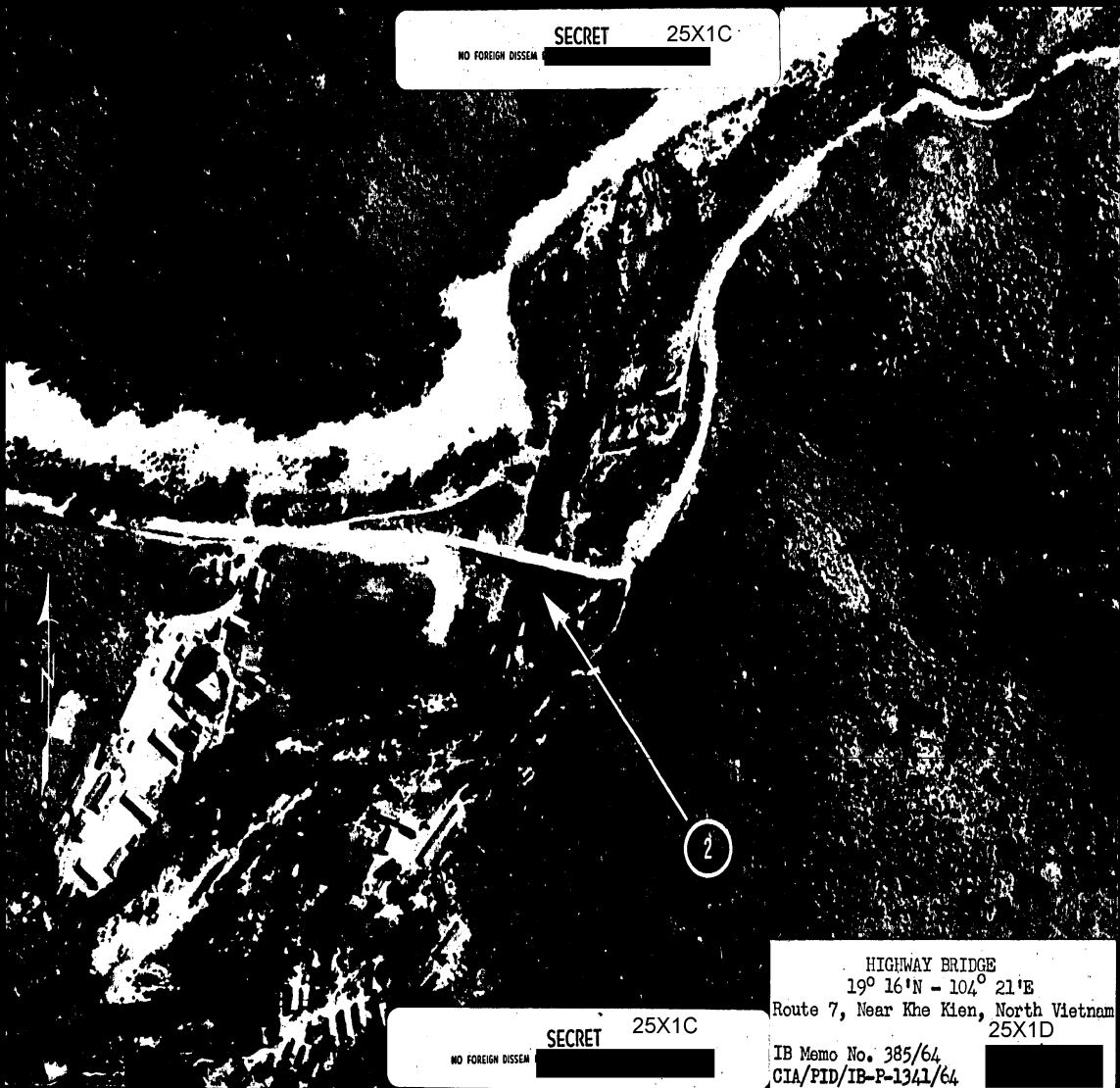
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HIGHWAY BRIDGE U/C
19° 15'N - 104° 24'E
Route 7, Near Ban Ang, North Vietnam
IB Memo No. 385/64
CIA/PID/IB-P-1340/64

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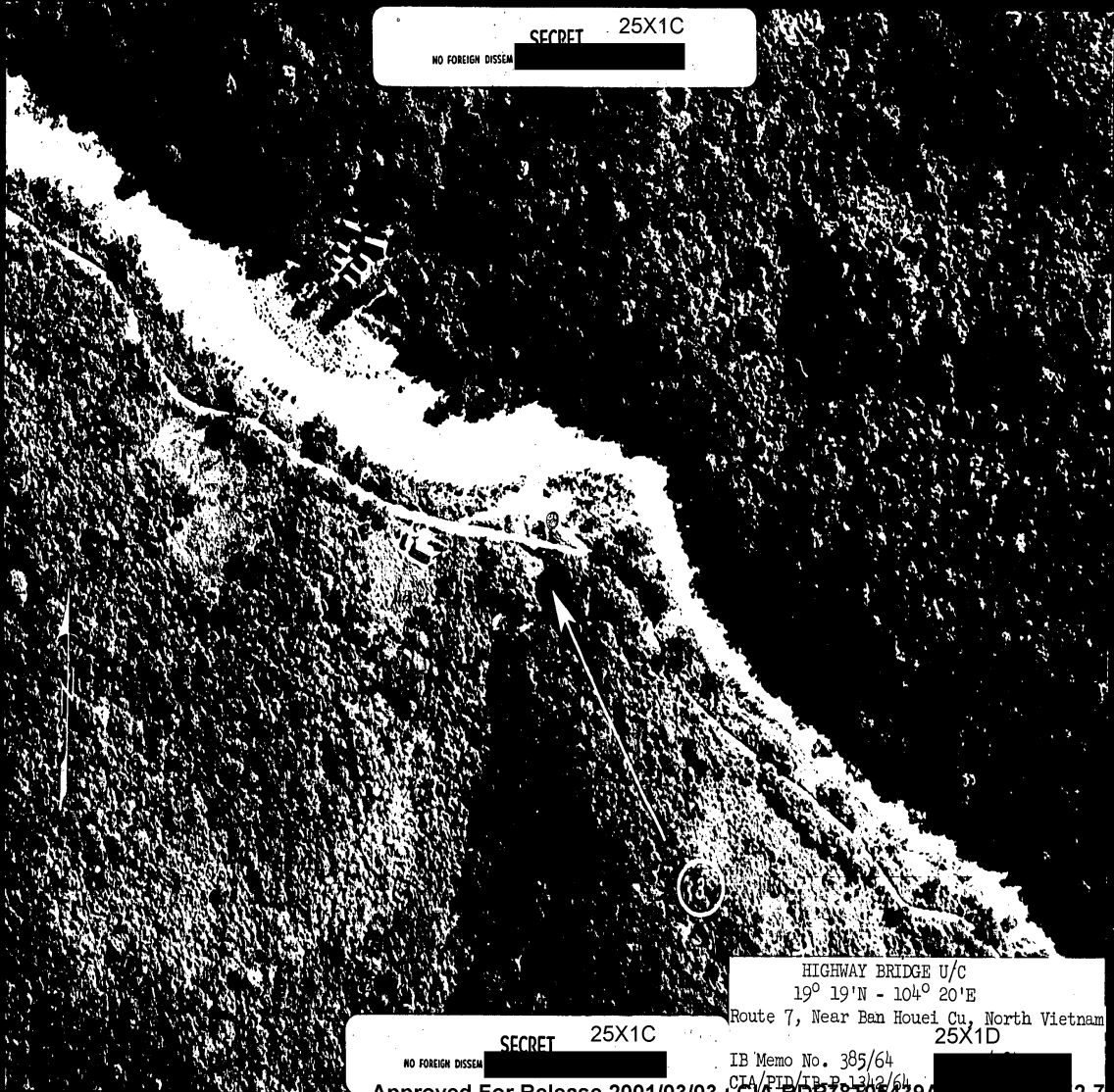
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NO FOREIGN DISSEM

HIGHWAY BRIDGE
19° 16'N - 104° 21'E
Route 7, Near Khe Kien, North Vietnam
25X1D

IB Memo No. 385/64
CIA/FID/IB-P-1341/64



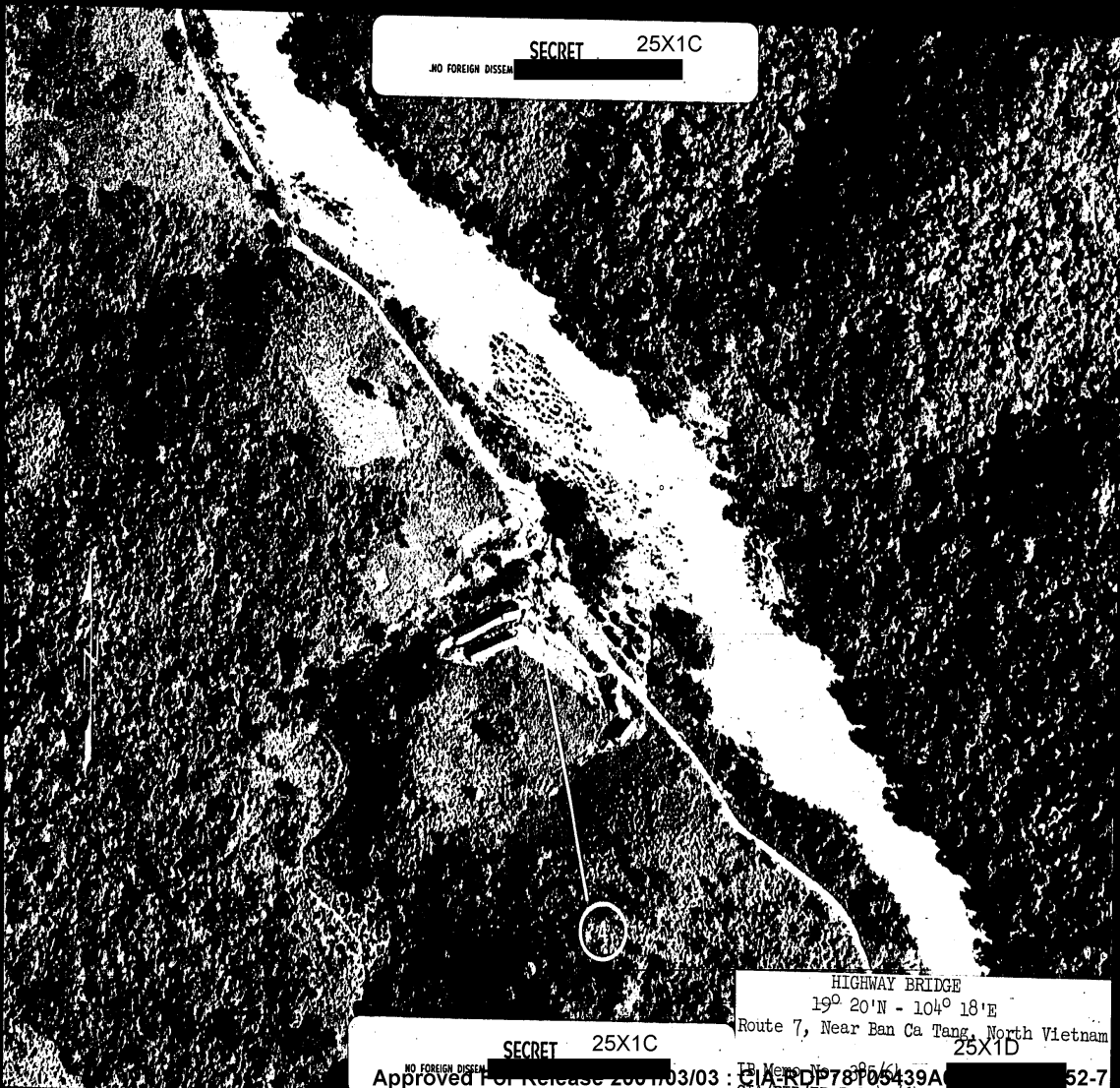
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NO FOREIGN DISSEM

HIGHWAY BRIDGE U/c
19° 19'N - 104° 20'E
Route 7, Near Ban Houei Cu, North Vietnam
25X1D

IB Memo No. 385/64
CIA/PTD/TP P-1312/61



NO FOREIGN DISSEM
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HIGHWAY BRIDGE
19° 20' N - 104° 18' E
Route 7, Near Ban Ca Tang, North Vietnam
25X1D

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52-7
CIA/PID/IB-P-1343/64

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HIGHWAY BRIDGE
19° 21' N - 104° 17' E
Route 7, Near Ban Ca Nan, North Vietnam
25X1D

NO FOREIGN DISSEM SECRET 25X1C
IB Memo No. 385/64
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NO FOREIGN DISSEM

6

HIGHWAY BRIDGE
19° 22' N - 104° 15' E
Route 7, Near Ban Tone, North Vietnam

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IB Memo No. 385/64
CIA/PID/IB-P-1345/64

25X1D

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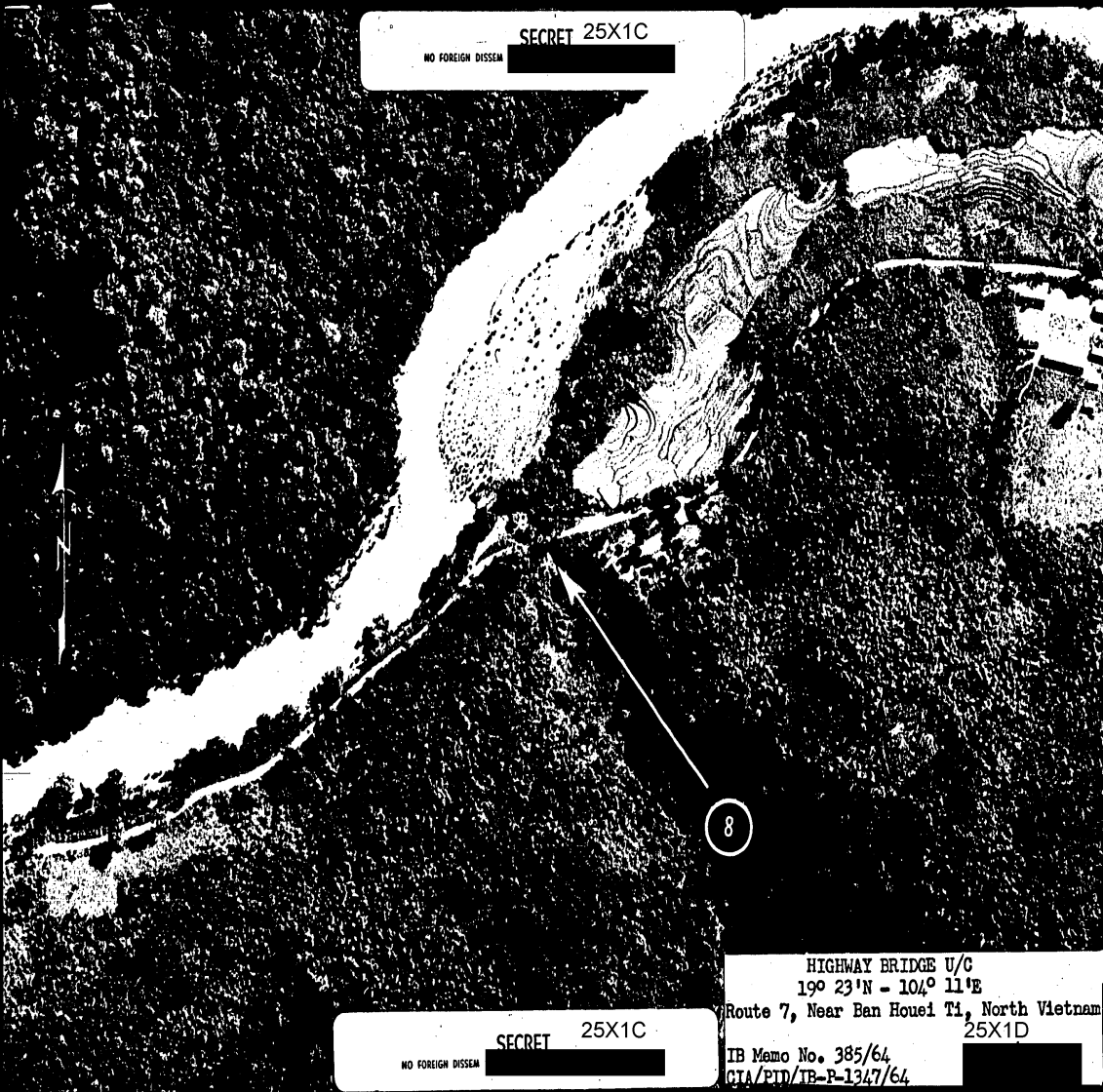


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HIGHWAY BRIDGE
19° 22'N - 104° 14'E
Route 7, Near Ban-Pieng-Hom, North Vietnam
25X1D

IB Memo No. 385/64
CIA/RID/TP-R-1306/64
Approved For Release 2001/03/03 : CIA-RDP78-05239A00000002-7



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NO FOREIGN DISSEM [REDACTED] SECRET 25X1C

HIGHWAY BRIDGE U/C
19° 23' N - 104° 11' E
Route 7, Near Ban Houei Ti, North Vietnam
25X1D
IB Memo No. 385/64
CIA/PID/IB-P-1347/64

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NO FOREIGN DISSEM **SECRET** 25X1C

FORD SITE
18° 11'N - 105° 43'E
Route 12, Near Loc Yen, North Vietnam
25X1D

NO FOREIGN DISSEM **SECRET** 25X1C

IB Memo No. 385/64
CIA/PID/IB-P-1348/64

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NO FOREIGN DISSEM

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HIGHWAY BRIDGE

18° 04'N - 105° 49'E

Route 12, Near La Khe Thon, North Vietnam

25X1D

IB Memo No. 385/64
CIA/PID/IB-P-1349/64

NO FOREIGN DISSEM

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25X1C

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NO FOREIGN DISSEM [REDACTED] SECRET 25X1C

RAIL-HIGHWAY BRIDGE
18° 03'N - 105° 50'E
Route 12, Near Bai Due Thon, North Vietnam
25X1D
IB Memo No. 385/64
CIA/PID/IB-P-1350/64 [REDACTED]

NO FOREIGN DISSEM [REDACTED] SECRET 25X1C

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NO FOREIGN DISSEM **SECRET** 25X1C

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HIGHWAY BRIDGE
17° 59'N - 105° 51'E
Route 12, Near X. Ha, North Vietnam
25X1D

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IB Memo No. 385/64
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NO FOREIGN DISSEM **SECRET** 25X1C

HIGHWAY BRIDGES
17° 58' N - 105° 49' E
Route 12, Near Xom Gi, North Vietnam
25X1D

IB Memo No. 385/64
CIA/PID/IP-P-1352/64

SECRET 25X1C

NO FOREIGN DISSEM



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HIGHWAY BRIDGE U/C
17° 51'N - 105° 48'E
Route 12, Near La Trong, North Vietnam
25X1D

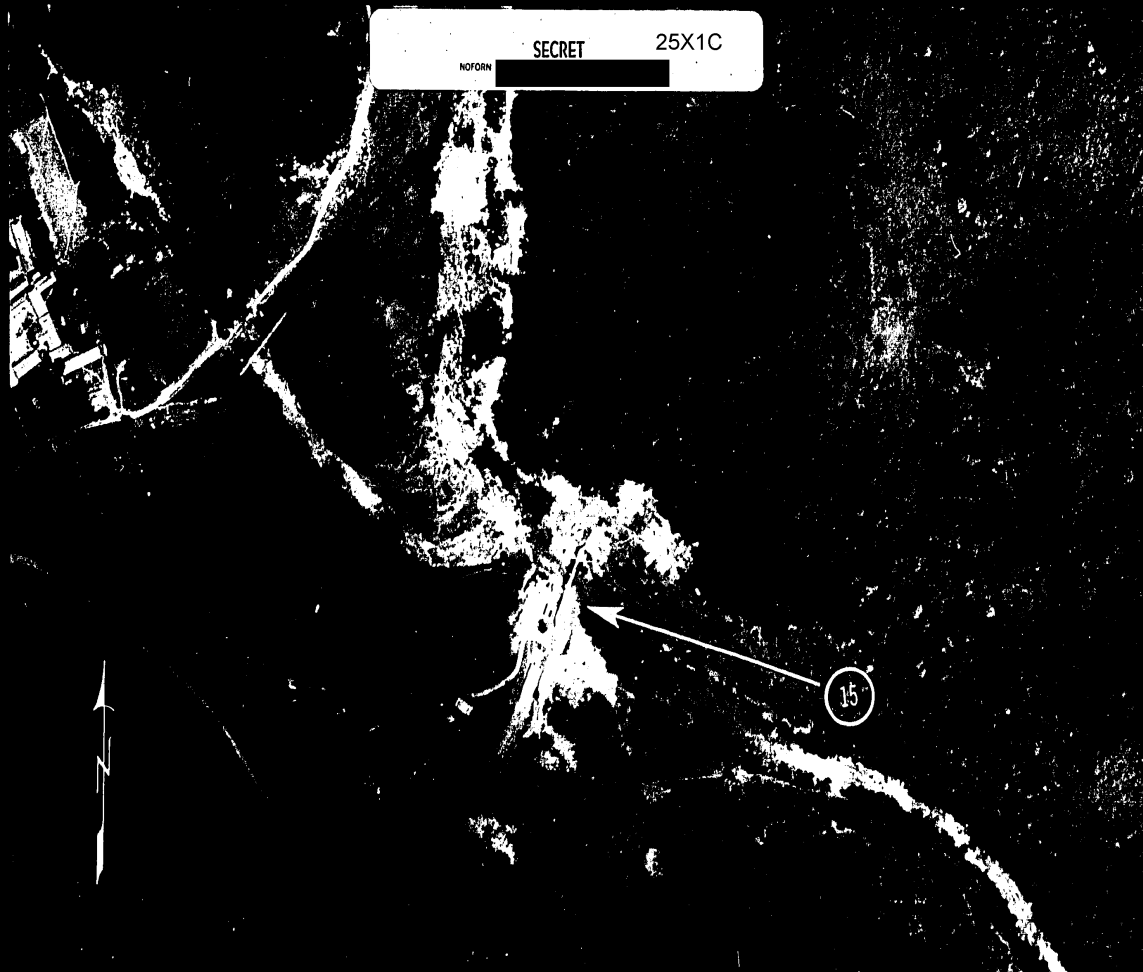
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IB Memo No. 385/64
CIA/PID/TB-P-1353/64

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HIGHWAY BRIDGE U/C
17° 46'N - 105° 47'E
Route 12, Near Don Bai Dinh, North Vietnam
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SECRET 25X1C

NOFORN

IB Memo No. 385/64



SECRET 25X1C
NOFORN [redacted]

SECRET 25X1C
NOFORN [redacted]

HIGHWAY BRIDGE U/C
19° 24'N - 105° 45'E
Route 1, Near Kiem Tam, North Vietnam
25X1D
IB Memo No. 385/64
CIA/PID/IB-P-1355/64

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HIGHWAY BRIDGE U/C
18° 03'N - 106° 20'E
Route 1, Near Yen Hung, North Vietnam
25X1D

IB Memo No. 385/64

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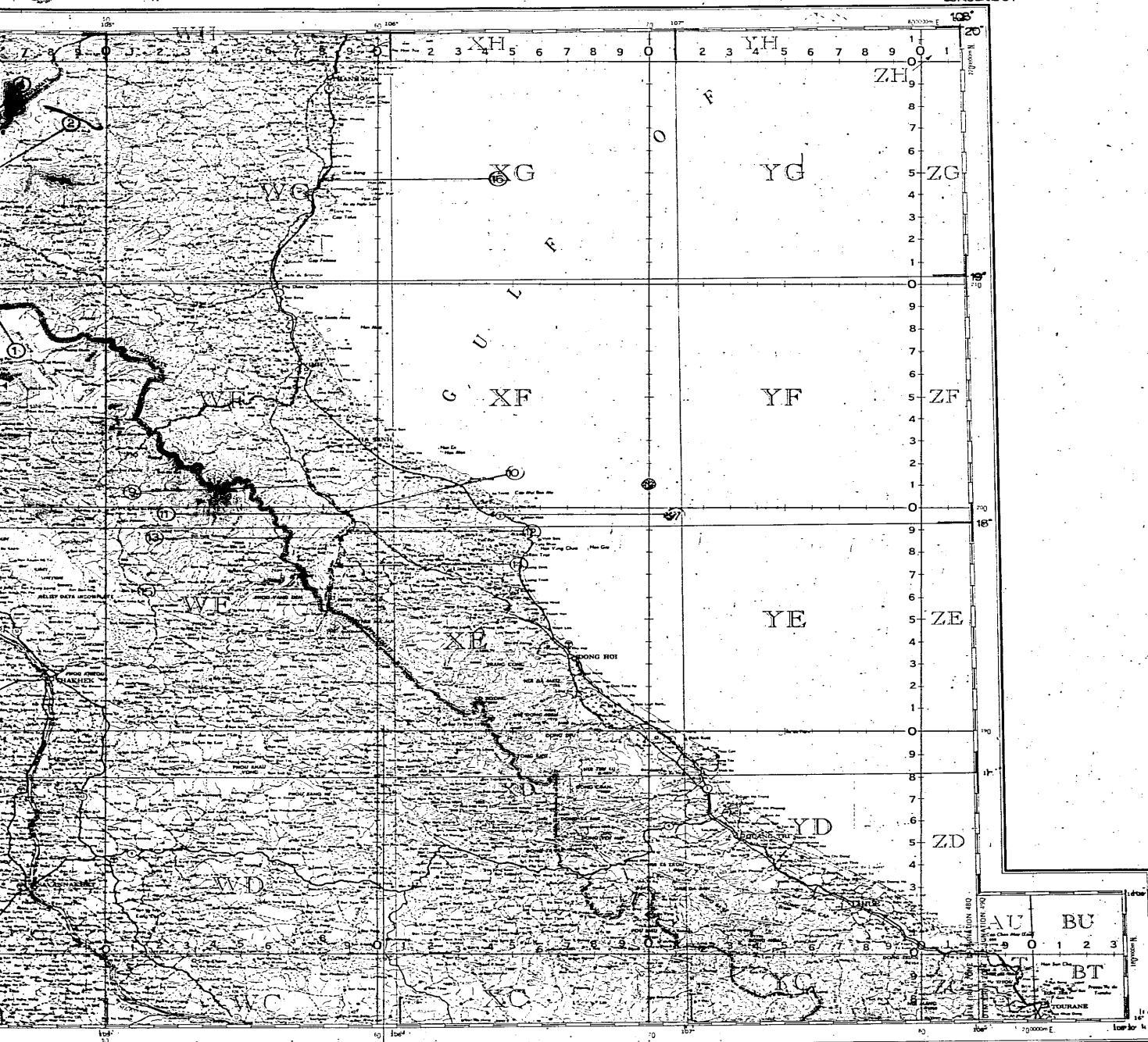
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EDITION 5-AMS

REFER TO THIS MAP AS:
NE 48
Series 1301

SERIES 1301
SHEET NE 48
EDITION 5-AM



Scale 1:1,000,000

25X1C SECRET

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LAMBERT CONFORMAL CONIC PROJECTION

HEIGHTS ARE REFERRED TO MEAN SEA LEVEL

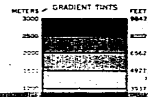
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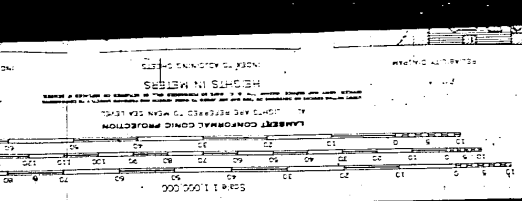
INDEX TO ADJOINING SHEETS

INDEX TO BOUNDARIES

GLOSSARY

EXPLANATORY NOTES

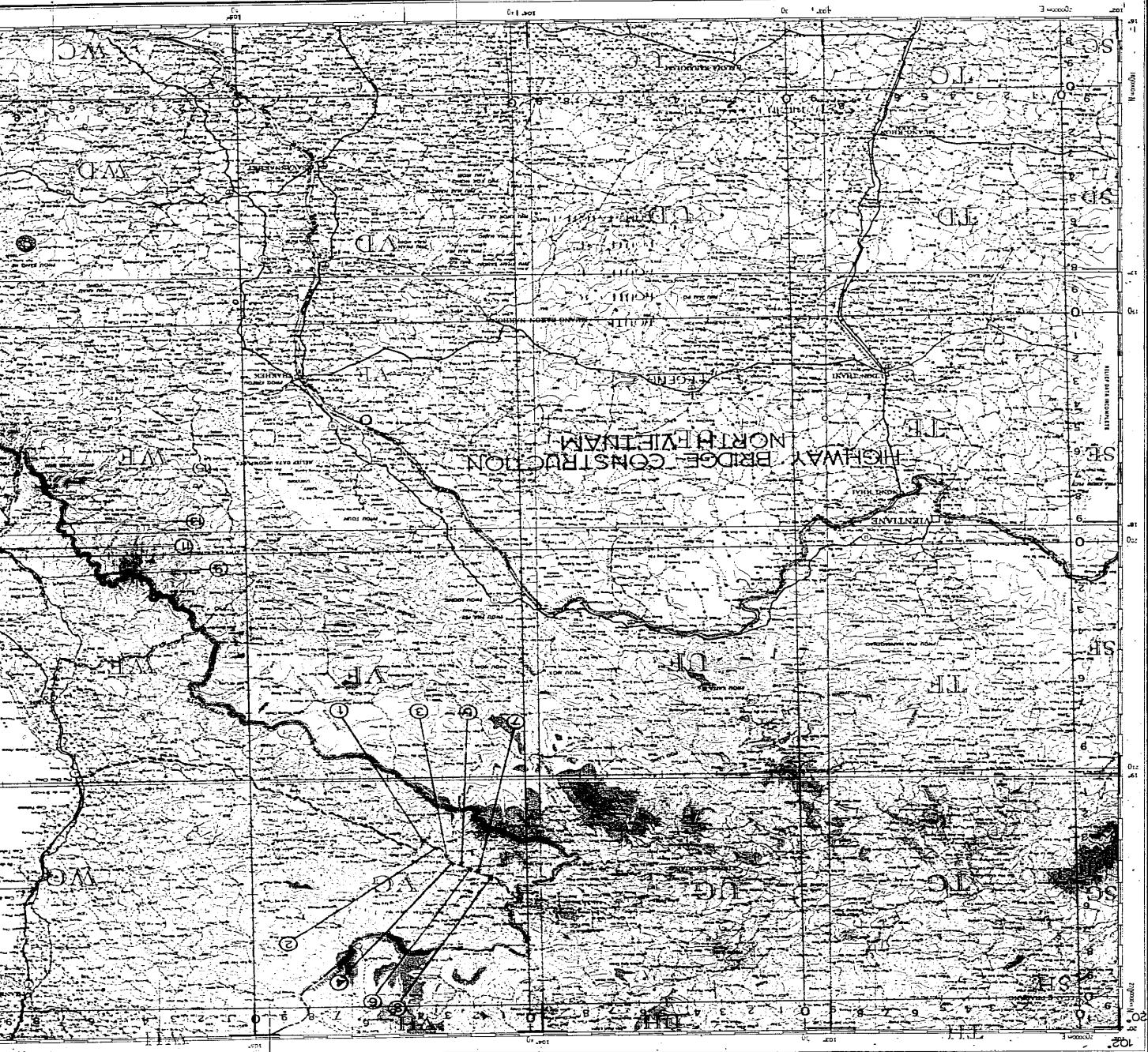




LEGEND

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1:02	RAILROAD STATIONS
1:03	RAILROAD CROSSINGS
1:04	RAILROAD BRIDGES
1:05	RAILROAD TUNNELS
1:06	RAILROAD CARS
1:07	RAILROAD LOCOMOTIVES
1:08	RAILROAD PASSENGERS
1:09	RAILROAD FREIGHTS
1:10	RAILROAD TRAINS
1:11	RAILROAD CARS
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