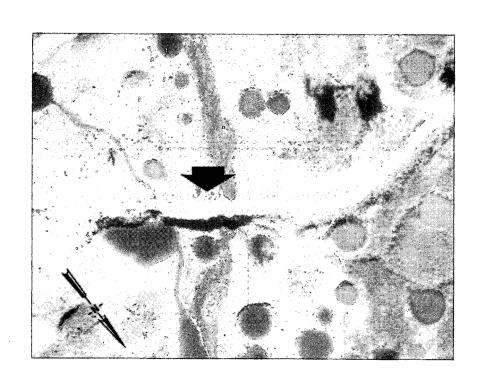
Approved For Release 2002(08) FIDEN RDP 8T05161A001600080001-4

CIA IMAGE	ERY ANALYSIS DIVISION		
NAME Chieng Dong Hwy. Bridge over	COUNTRY	COORDINATES	
stream Bridge No. 20 on NF 48-10	North Vietnam	21 06N - 104 14E VJ 206339	25X
		BRIEF NO:	25X
		PIB 75400	
MAP JOG (A) 1501 NF 48-10		December 1966	
LOCATION: 0.3 nm SW of Chieng Dong o	n Route 6.		
DESCRIPTION:			
LENGTH	MATERIAL Concrete		25X
width 15' approx.	NO. OF SPANS 6		
Masonry arch	LENGTH OF EACH SPAN		25X

STATUS: Moderate deck damage; bridge serviceable.

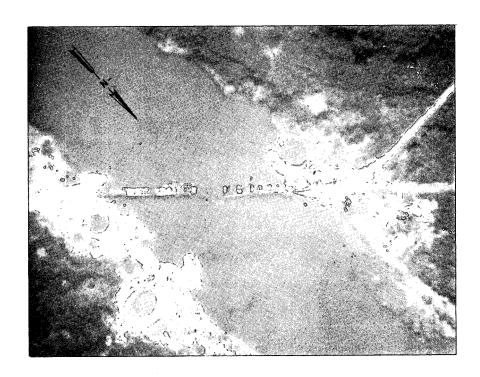
COMPENSATIVE ACTION:

Ford



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	CIA IMAGERY ANALYSIS DIVISION	
NAME	COUNTRY	COORDINATES
La Khe Thon Hwy. Bridge		18 03N - 105 49E
Bridge No. 60 on NE 48-7	North Vietnam	WE 872973
X1		BRIEF NO:
		PIB 75401
	48-7	December 1966
LOCATION: 0.8 nm SE of La Kh	e Thon on Route 15.	
DESCRIPTION:		
	Lood	anamat a
LENGTH (G	MATERIAL WOOD, (
X1 TYPE Dook	le track) NO. OF SPANS 15 &	approx.
Deck		
X1		
STATUS:	whod for moil twoffic as a	hy ness for destroyed
	rted for rail traffic as a	ropped; l approach interdicted
Ta kne mon kall brid	ge; rour spans have been dr	topped, I approach interactions
COMPENSATIVE ACTION:		
None		
X1		



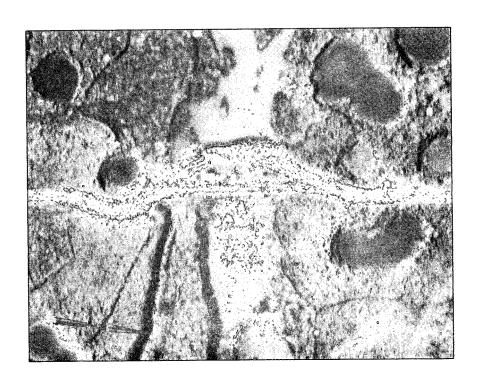
Approved For Release 2002001120 ENTROP78T05161A001600080001-4

	CI	IA IMAGERY ANALYSIS DIVISION	
	N AME	COUNTRY	COORDINATES
	Ban Chieng Khoang Hwy. Bridge Bridge No. 42 on NF 48-10	e North Vietnam	21 33N - 103 41E UJ 644846
25X1			BRIEF NO: PIB 75402
	MAP JOG (A) 1501 NF 48	8-10	December 1966
	LOCATION: O.1 nm N of Ban Chie	eng Khoang on Route 602.	
•	DESCRIPTION:		
25X1	LENGTH	material Wood	
23/1	WIDTH	NO. OF SPANS 2 probable	9
	Deck	LENGTH OF EACH SPAN	25X
	STATUS:		

COMPENSATIVE ACTION:

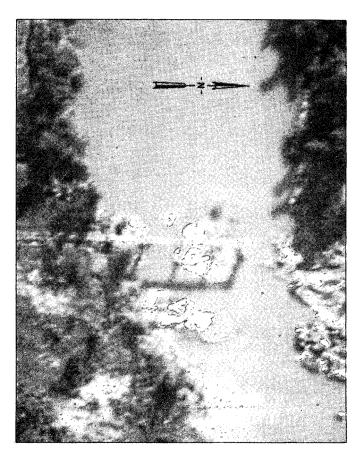
Both spans severely damaged.

Ford



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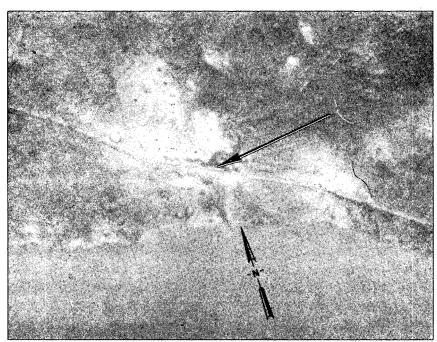
	CIA IMAGE	RY ANALYSIS DIVISION		
	NAME Bai Duc Thon RR. Bridge	COUNTRY	COORDINATES	
	By-pass No. 1 over Khe Ba Giang		18 03N - 105 50E	
	Bridge No. 7 on NE 48-7	North Vietnam	WE 886964	
25X1			BRIEF NO:	
	MAP TOC (A) 1501 NE 18 7		PIB 75403	
	1=04 TM TOCT TM 40=1		December 1966	
	LOCATION: 0.5 nm NW of Bai Due Thon o	on the Duc Tho/Lang X	a Rail Line.	
	DESCRIPTION:			
	LENGTH .	MATERIAL Timber		
05)//	width (Single track)	NO. OF SPANS 8		
25X1	Deck-beam (Single Crack)	LENGTH OF EACH SPAN		25X1
	DCCK-BCAM			
	STATUS:			
	4 spans destroyed.			
	COMPENSATIVE ACTION:			
	None			
	110116			
			1	
25X1				
,				



stream Rhe Se RR. Bridge S over	COUNTRY North Vietnam	22 00N - 104 33E
Bridge No. 6 on NF 48-6	North Vietnam	1 TMZ F32330
		VK 538330 BRIEF NO: PIB 75404
JOG (A) 1501 NF 48-6 OCATION: 0.5 nm SE of Khe Se or DESCRIPTION:	on the Hanoi/Lao Cai Rail :	December 1966 Line.
WIDTH TYPE RELITIONS (Single transmitted transmitted)	material Steel and no. of spans 1 LENGTH OF EACH SPAN	d concrete 75' approx.
TATUS: Repaired and serviceable.		

25X1

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CIA IMAGERY ANALYSIS DIVISION			
N AME	COUNTRY	COORDINATES	
Pa Hiem Hwy. Bridge Bridge No. 5 on NF 48-7	North Vietnam	22 09N - 105 51E WK 876511	
		BRIEF NO:	
		PIB 75405	
MAP JOG (A) 1501 NF 48-7		December 1966	

LOCATION: 0.2 nm SW of Pa Hiem on Route 3.

DESCRIPTION:

25X1

Deck

LENGTH 25' approx.

WIDTH 10' approx.

Deck

MATERIAL Wood and concrete No. OF SPANS 1 probable LENGTH OF EACH SPAN 25' approx.

status: l abutment destroyed; span destroyed.

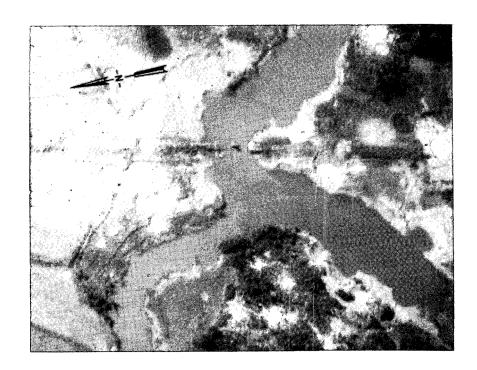
COMPENSATIVE ACTION:

Ford



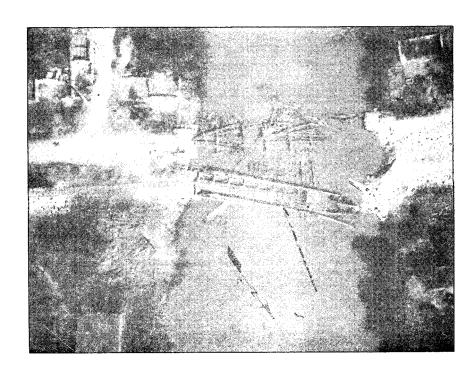
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•	CIA IMAGE	RY ANALYSIS DIVISION	
•	NAME Quang Te RR. Bridge over Khe	COUNTRY	COORDINATES
5X1 _.	Hac Giang Bridge No. 30 on NE 48-7	North Vietnam	18 27N - 105 34E WF 610400
5X1			BRIEF NO: PIB 75406
	MAP JOG (A) 1501 NE 48-7		December 1966
•	LOCATION: 0.8 nm N of Quang Te on Vin	h/Dong Hoi Rail Line.	
	DESCRIPTION:		
5X1	WIDTH TYPE BO' approx. (Single track) Deck	2	
	3 spans destroyed.		
	COMPENSATIVE ACTION:		
	None		
5X1			



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	CIA IMAGE	RY ANALYSIS DIVISION		
	NAME Cao Duong RR. Bridge over	COUNTRY	COORDINATES	
25X1	stream		20 28N - 106 02E	
	Bridge No. 15 on NF 48-15	North Vietnam	XH 081647	
25X1			BRIEF NO:	
			PIB 75407	
	MAP JOG (A) 1501 NF 48-15		December 1966	
	LOCATION: 0.6 nm S of Xi Thuang on Ha	noi/Vinh Rail Line.		/
	DESCRIPTION:			
	LENGTH	material Steel an	d concrete	
25X1	WIDTH (Single track)	ио. of spans 2 proba	ble	
20/(1	Half-through truss	LENGTH OF EACH SPAN		25X1
	Hatt-off or app	L		25/
	STATUS:			
	Both spans dropped; pier destr	oyed; one abutment d	estroyed.	
	COMPENSATIVE ACTION:			
	None			

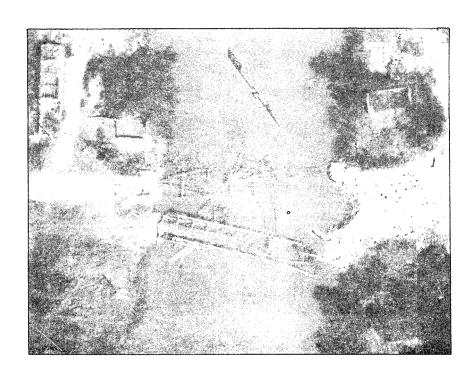


	CIA IM	AAGERY ANALYSIS DIVISION		
	NAME	COUNTRY	COORDINATES	_
	Cao Duong Hwy. Bridge Bridge No. 16 on NF 48-15	North Vietnam	20 28N - 106 02E WH 081647	
25X1	DITURE NO. 10 OII NI (O-1)	, WOI OIL VICOIRM	BRIEF NO:	
_0/(:			PIB 75408	
	MAP JOG (A) 1501 NF 48-15		December 1966	_
	LOCATION: 0.6 nm S of Xi Thuang o	on Hanoi/Vinh Rail Line.		
	DESCRIPTION:			
25X1	width type Deck	MATERIAL WOOD NO. OF SPANS 7 LENGTH OF EACH SPAN		25X1
		L		

Bridge completely destroyed; one abutment destroyed.

COMPENSATIVE ACTION:

None



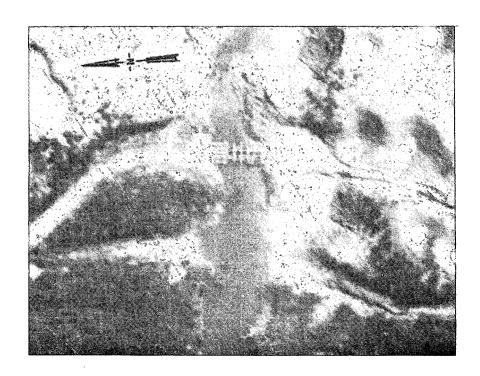
Approved For Release 200**2011 PATRAP**78T05161A001600080001-4

	CIA IMAGERY ANALYSIS DIVISION				
25X1	NAME Phu Hoa Dong Thon Hwv. Bridge over stream Bridge No. 61 on NE 48-12	COUNTRY North Vietnam	COORDINATES 17 10N - 106 44E XD 852999	_	
25X1	MAP JOG (A) 1501 NE 48-12		BRIEF NO: PIB 75409 December 1966		
0EV4	LOCATION: 1.1 nm S of Phu Hoa Dong The Description:		_		
25X1	width type 10' approx. Deck	material Timber no. of spans 3 approx LENGTH OF EACH SPAN	•	25X1	
	STATUS:				

Completely destroyed; now undergoing repair.

COMPENSATIVE ACTION:

By-pass ford.



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CIA IMAGERY ANALYSIS DIVISION			
NAME My Duyet Thuong Hwy. Bridge	COUNTRY	COORDINATES	
over stream		17 14N - 106 49E	
Bridge No. 45 on NE 48-12	North Vietnam	XE 943066	
	BRIEF NO:		
	PIB 75410		
MAP JOG (A) 1501 NE 48-12		December 1966	

LOCATION: 0.7 nm SE of Hoa Luat Nam on Route 1A.

DESCRIPTION:

WIDTH TYPE 50' approx.
10' approx.
Deck

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

STATUS:

25X1

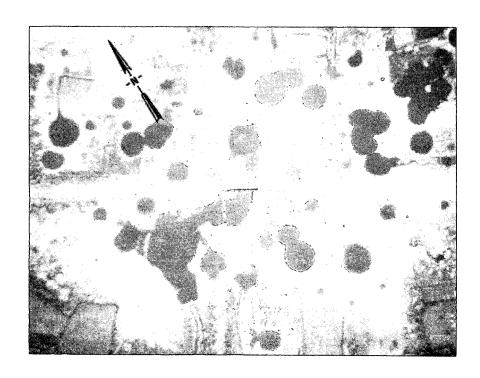
25X1

Pre-strike

COMPENSATIVE ACTION:

 $\mathbf{N}\mathbf{A}$

25X1



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Concrete

_	CIA IMAGERY ANALYSIS DIVISION				
•	NAME My Duyet Thuong Hwv. Bridge	COUNTRY	COORDINATES		
25X1	over stream		17 14N - 106 49E		
	Bridge No. 45 on NE 48-12	North Vietnam	XE 943066		
25X1			BRIEF NO:		
			PIB 75411		
	MAP JOG (A) 1501 NE 48-12		December 1966		

LOCATION: 0.7 nm SE of Hoa Luat Nam on Route LA.

DESCRIPTION:

LENGTH 50' approx.
10' approx.
Deck

approx. LENGTH OF EACH SPAN 50' approx.

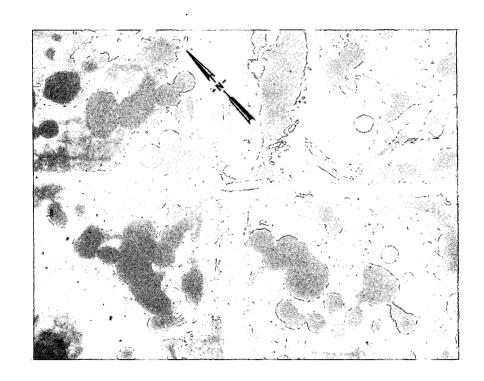
STATUS:

Span dropped.

COMPENSATIVE ACTION:

By-pass ford.

25X1



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	CIA IMAGERY ANALYSIS DIVISION					
	NAME Lang Trang Hwy. Bridge over	COUNTRY	COORDINATES			
25X1	stream		22 08N - 107 58E			
	Bridge No. 12 on NF 48-6	North Vietnam	VK 976486			
25X1			BRIEF NO:			
			PIB 75412			
	MAP JOG (A) 1501 NF 48-6		December 1966			
	LOCATION: 0.5 nm N of Lang Trang o	n Route 2.				
	DESCRIPTION:		•			
	LENGTH 190' approx.	material Steel, co	ncrete, and timber			
25X1	WIDTH	NO. OF SPANS				
	Combination half-through	LENGTH OF EACH SPAN 1 @	100' approx half-through			
	truss/deck		truss			

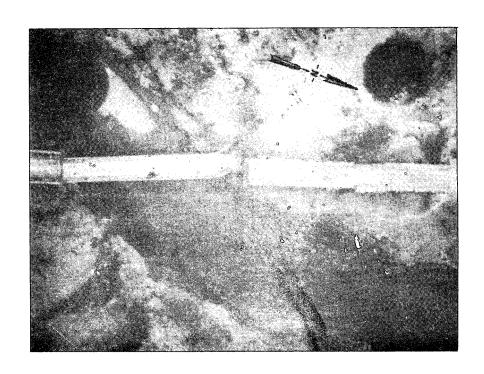
1 @ 50' approx. - Deck 1 @ 40' approx. - Deck

COMPENSATIVE ACTION:

STATUS:

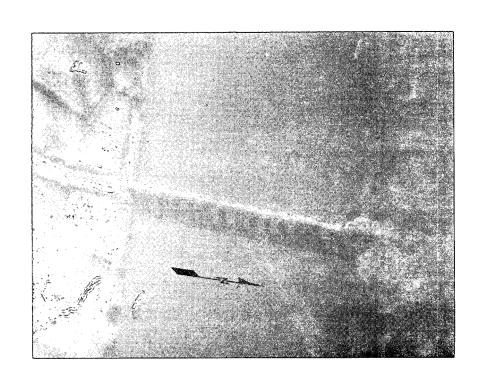
By-pass ford.

Truss span dropped.



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	CIA IMAGER	RY ANALYSIS DIVISION		
-	NAME Dong Phong Thuong RR. By-Pass	COUNTRY	COORDINATES	
	Bridge No. 1		19 58N - 105 51E	
	Bridge No. 6 on NE 48-3	North Vietnam	WH 890090	
1			BRIEF NO:	
	MAP JOG (A) 1501 NE 48-3		PIB 75413 December 1966	
-	LOCATION: 0.4 nm E of Na Thon on the 1	Hanoi/Dong Hoi Rail		
	DESCRIPTION:			25X
	LENGTH	material Wood		
	WIDTH (Single track)	NO. OF SPANS 15		
1	Deck-beam supported by	LENGTH OF EACH SPAN		
	lattice towers			
	STATUS:	Ĺ		
	Bridge repaired and serviceable	₽.		
	COMPENSATIVE ACTION:			
	МА			
_				



	C	IA IMAGERY ANALYSIS DIVISION	
-	NAME	COUNTRY	COORDINATES
	Cho Dinh Ca Hwy. Bridge Bridge No. 16 on NF 48-11	North Vietnam	21 45N - 106 04E XK 119053
25X1			BRIEF NO: PIB 75414
	MAP JOG (A) 1501 NF 4	8-11	December 1966
•	LOCATION: At Cho Dinh Ca on Re	oute 1B.	
	DESCRIPTION:		
25X1	LENGTH	MATERIAL Concrete	
	WIDTH	NO. OF SPANS probabl	<u>Le</u>
	TYPE	LENGTH OF EACH SPAN	

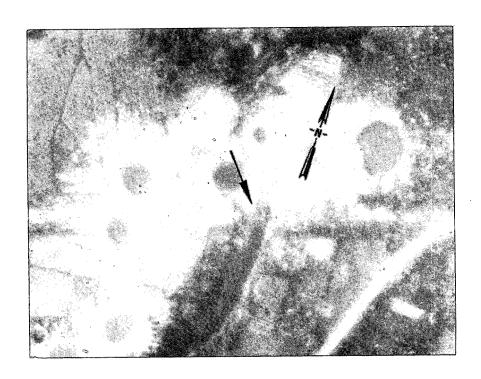
STATUS:

1 span destroyed; 1 abutment destroyed.

COMPENSATIVE ACTION:

Deck

Ford



25X1

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1	CIA IMAGERY ANALYSIS DIVISION					
-	NAME Dien Chau RR. Br. E over Song	COUNTRY	COORDINATES			
25X1	Bang (By-pass) No. 1]	18 58N - 105 35E			
_	Bridge No. 6 on NE 48-7	North Vietnam	WF 619980			
25X1			BRIEF NO:			
_0/(.			PIB 75415			
_	MAP JOG (A) 1501 NE 48-7		December 1966			
	LOCATION: 1 4 nm SW of Dien Chau on t	he Hanoi/Vinh Rail Line				

DESCRIPTION:

LENGTH 230' approx.

WIDTH

and crib supports

MATERIAL WOOD

5' approx. (Single track)
Deck-beam with lattice tower

NO. OF SPANS 20 approx.

LENGTH OF EACH SPAN 1 @ 30' approx., 1 @ 20' approx.,

18 @ 10' approx.

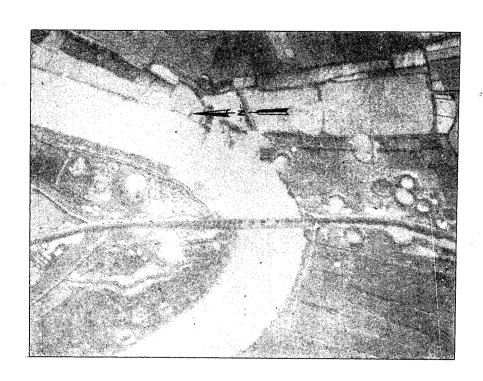
STATUS:

Repaired and probably serviceable.

COMPENSATIVE ACTION:

NA

25X1



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CI	CIA IMAGERY ANALYSIS DIVISION				
N AME	COUNTRY	COORDINATES			
Ninh Xa Hwy. Bridge		20 19N - 106 03E			
Bridge No. 20 on NF 48-15	North Vietnam	XH 105468			
5X1		BRIEF NO:			
		PIB 75416			
JOG (A) 1501 NF 48	3-15	December 1966			

LOCATION: 0.4 nm E of Van Coi on Route 10.

DESCRIPTION:

LENGTH 90' approx. 10' approx. TYPE

MATERIAL Wood and steel NO. OF SPANS probably one Probable half-through truss

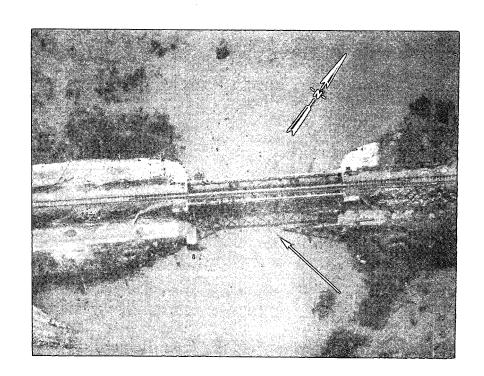
LENGTH OF EACH SPAN 90' approx.

STATUS:

Bridge destroyed.

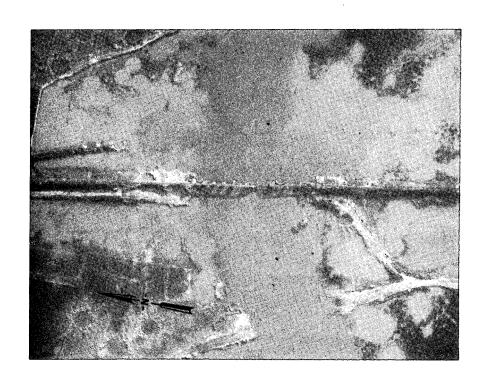
COMPENSATIVE ACTION:

Ferry crossing.



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		CIA IMAGI	ERY ANALYSIS DIVISION	
- 5X1	over So	m Da RR. and Hwy. Bridge	COUNTRY	COORDINATES 18 50N - 105 39E
5X1	Briage .	No. 18 on NE 48-7	North Vietnam	WF 691839 BRIEF NO: PIB 75417
•	MAP LOCATION:	JOG (A) 1501 NE 48-7 2.3 nm NE of Tam Da on the	e Hanoi/Vinh Rail Line	December 1966
	DESCRIPTIO		·	
5X1	LENGTH Width Type	360' approx. (Single track Deck beam with lattice tow supports and two concrete	- -	bable
		spans dropped; 2 wooden pie e abutments are intact.	-	t of the bridge and
	COMPENSAT	IVE ACTION:		
	Ву	-pass bridge U/C.		

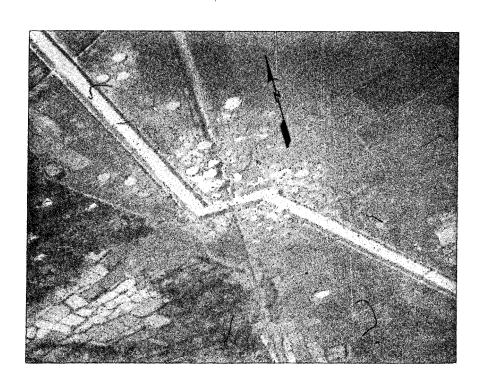


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	CIA IMAGERY ANALYSIS DIVISION				
	NAME Thuong Giap RR. Bridge over	COUNTRY	COORDINATES		
25X1	canal		18 29N - 105 35E		
	Bridge No. 38 on NE 48-7	North Vietnam	WF 626448		
25X1			BRIEF NO:		
] PIB 75418			
	MAP JOG (A) 1501 NE 48-7		December 1966		
	LOCATION: 0.8 nm W of Thuong Giap on	the Vinh/Dong Hoi Rail	Line.		
	DESCRIPTION:				
25X1	LENGTH	material Concrete a	nd steel		
	10' approx. (Single track)	NO. OF SPANS]	257/4		
	Deck-beam	LENGTH OF EACH SPAN	25X1		
	STATUS:				
	The span has been dropped; the	e abutments are probabl;	y intact.		

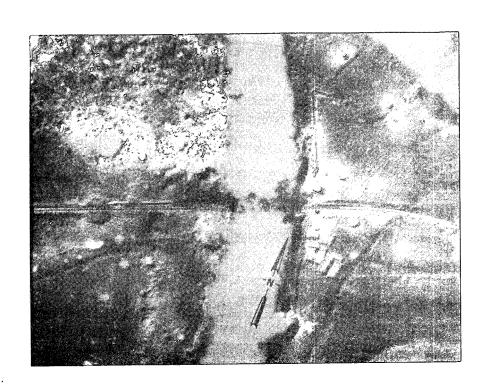
COMPENSATIVE ACTION:

None apparent.



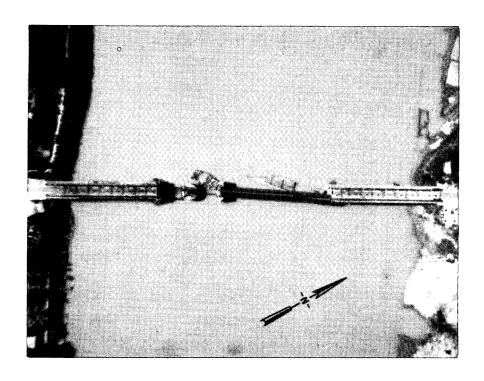
Approved For Release 2003 18 13 EN APP78T05161A001600080001-4

_		
	CIA IMAGERY ANALYSIS DIVISION	
_	NAME Dia Thuy RR. By-pass Bridge COUNTRY	COORDINATES
25X1	NW over Khe Dua	19'22N - 105 43E
23/(1	Bridge No. 60 on NE 48-3 North Vietnam	WG 756418
25X1		BRIEF NO:
23/1		PIB 75419
_	MAP JOG (A) 1501 NE 48-3	December 1966
_	LOCATION: 0.5 nm SE of Dong Ky on the Hanoi/Dong Hoi Rail	Line.
	DESCRIPTION:	,
	LENGTH 1001 COMMISSION	ncrete, and steel
051/4	WIDTH TODAN	ole
25X1	Deal- leasure	9 40' approx., 1 @ 30' appro
	3 (20' approx.
	STATUS:	to 1 abutment
	All spans and piers are destroyed; possible damage	CO T apdoment.
	COMPENSATIVE ACTION:	
	Main bridge unserviceable; a second by-pass is in t	ne initial stages of
	construction.	
	•	
0EV4	·	
25X1		
	<u> </u>	



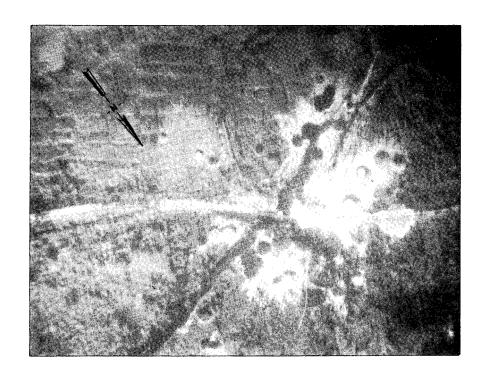
Approved For Release 2003/112-CIA-FDP78T05161A001600080001-4

NAMÉ TO	2 DD 3 II D 13	COUNTRY	COORDINATES
Da	p Cau RR. and Hwy. Bridge	00011111	
over So		Month Winters	21 12N - 106 05E XJ 135450
Briage	No. 12 on NF 48-11	North Vietnam	BRIEF NO:
			PIB 75420
MAP	JOG (A) 1501 NF 48-11		December 1966
LOCATION:	0.2 nm W of Dap Cau on Rout	e LA and the Hanoi/	
DESCRIPTION		•	
Solution through-truss and deck		cood and concrete 2 @ 40' approx., 2 @ 60' a 2 @ 90' approx., 1 @ 150'	
status: Th	e 140° deck span is out of a	lignment. Two 40'	spans have been destroyed.
COMPENSAT	FIVE ACTION:		
Ву	-pass bridge with removeable	deck section is se	rviceable west of main br



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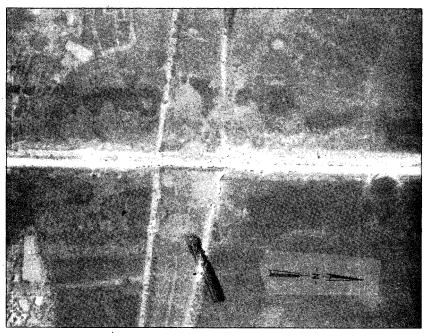
	CIA IMAGER	RY ANALYSIS DIVISION		-
-	NAME Lang Kay RR. Bridge over	COUNTRY	COORDINATES	-
25X1	Ngoi Chuc		22 03N - 104 29E	
-	Bridge No. 3 on NF 48-6	North Vietnam	VK 472394	
25X1			BRIEF NO:	
			PIB 75421	
_	MAP JOG (A) 1501 NF 48-6		December 1966	_
	LOCATION: 1.4 nm SE of Lang Cai on the	e Hanoi/Lao Cai Rail L	ine.	-
	DESCRIPTION:			
25X1	LENGTH WIDTH (Single track)	material Timber no. of spans 4		
	Deck with lattice towers	LENGTH OF EACH SPAN		25X1
	STATUS:		·	
	Repaired and serviceable.			
	COMPENSATIVE ACTION:			
	None			
25X1				



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_		CIA IMAGER	Y ANALYSIS DIVISION	
_	NAME Don	g Ky RR. and Hwy. Bridge S	COUNTRY	COORDINATES
25X1	over can	1	37 13 77	19 04N - 105 35E
a=\/.1	Bridge N	o. 27 on NE 48-3	North Vietnam	WG618081
25X1				BRIEF NO: PIB 75422
_	MAP	JOG (A) 1501 NE 48-3		December 1966
_	LOCATION:	0.8 nm N of Dong Khe on the	e Hanoi/Dong Hoi Ra:	
	DESCRIPTION	ı:		
25X1	LENGTH WIDTH	120' approx. (Single track)	MATERIAL Concrete	and steel
23/\ I	TYPE	Deck	LENGTH OF EACH SPAN	40' approx.
	status: Rep	aired and possibly serviceat	ole.	
	COMPENSATIV	VE ACTION:		
	Non	e		
25X1				

VITAL DECEMBE GODY



,	CI	IA IMAGERY ANALYSIS DIVISION		
25X1	NAME Hai Le Hwy. Bridge over stream Di Le Bridge No. 35 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 15N - 105 44E WG773295	
25X1			BRIEF NO: PIB 75423	
	LOCATION: 1 nm SW of Dong Le	on an unnumbered Route.	January 1967	
25X1	DESCRIPTION: LENGTH WIDTH TYPE Deck STATUS: 1 span destroyed; 1 span	material Wood no. of spans 3 probab LENGTH OF EACH SPAN an heavily damaged.	ole	25X
	compensative action: None			
25X1				



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DDI IMAGERY ANALYSIS STAFF

NAME Lenh Khanh RR. Bridge SE over COUNTRY

stream
Bridge No. 43 on NF 48-10
North Vietnam
VJ991859

BRIEF NO:
PIB 75424

MAP JOG (A) 1501 NF 48-10
February 1967

LOCATION: 1 nm SE of Yen Son on Hanoi/Lao Cai Rail Line.

DESCRIPTION:

WIDTH 45' approx.
10' approx.
Deck

MATERIAL Concrete and steel NO. OF SPANS 1
LENGTH OF EACH SPAN 45' approx.

STATUS:

25X1

25X1

Span dropped; 1 abutment destroyed.

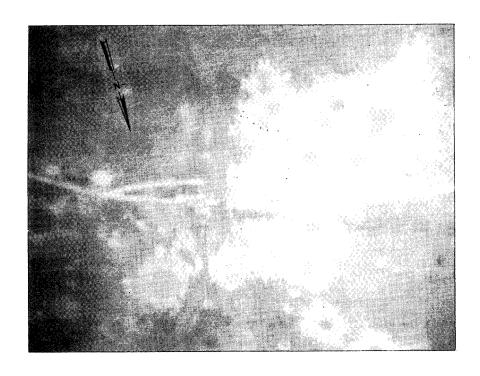
COMPENSATIVE ACTION:

None apparent.



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	CIA IMAGE	RY ANALYSIS DIVISION		
	NAME Than Dau Hwy. Bridge By-Pass No. 1 over Khe Mieu	COUNTRY	COORDINATES 18 00N - 106 27E	
	Bridge No. 95 on NE 48-7	North Vietnam	XE537922 1 BRIEF NO:	
25X1			PIB 75425	
	MAP ,TOG (A) 1501 NE 48-7		December 1966	
	LOCATION: 0.6 nm S of Than Dau on Ro	oute LA.		
	DESCRIPTION:			
	LENGTH	MATERIAL Timber		
25X1	WIDTH	NO. OF SPANS 4 probabl	e	
23/(1	TYPE Deck	LENGTH OF EACH SPAN		25X1
	STATUS:			
	3 spans destroyed.			
	COMPENSATIVE ACTION:			
	Ford			
25X1				



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NAME	GERY ANALYSIS DIVISION	COORDINATES
Quang Khe Hwy. Bridge No. 2		17 41N - 106 29E
Bridge No. 39 on NE 48-11	North Vietnam	XE567568
		BRIEF NO:
		PIB 75426
MAP JOG (A) 1501 NE 48-11	-	January 1967

LOCATION: 0.2 nm SW of Quang Khe on an unnumbered route.

DESCRIPTION:

LENGTH WIDTH

40' approx. 10' approx.

TYPE

Combination lock and

deck-type bridge

STATUS:

Original bridge replaced by a rock-fill causeway which has subsequently been destroyed.

MATERIAL Concrete

LENGTH OF EACH SPAN 40 approx.

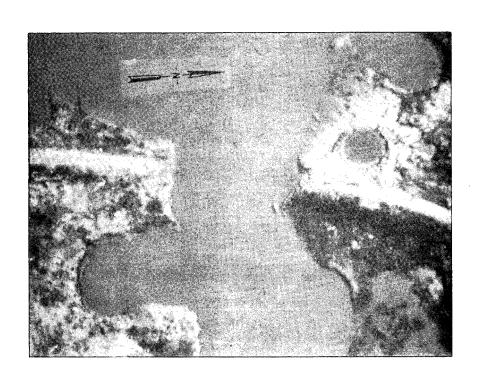
NO. OF SPANS

COMPENSATIVE ACTION:

None

25X1

25X1



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CIA IMAGER	Y ANALYSIS DIVISION	
NAME Quang Khe Hwy. Causeway over	COUNTRY	COORDINATES
stream Bridge No. 38 on NE 48-11	North Vietnam	17 41N - 106 28E XE568568
Diluge No. No on No	TVOT OIL VIC OILAM	BRIEF NO:
		PIB 75427
MAP JOG (A) 1501 NE 48-11		January 1967

MATERIAL Concrete

1 LENGTH OF EACH SPAN 40' approx.

NO. OF SPANS

LOCATION: 0.2 nm SW of Quang Khe on an unnumbered route.

DESCRIPTION:

LENGTH WIDTH

40' approx. 10' approx.

Combination lock and

deck-type bridge

STATUS:

TYPE

Completely destroyed.

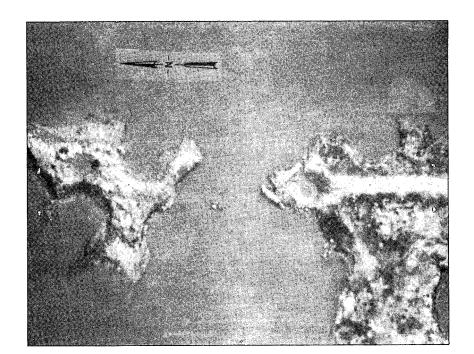
COMPENSATIVE ACTION:

None

25X1

25X1

25X1



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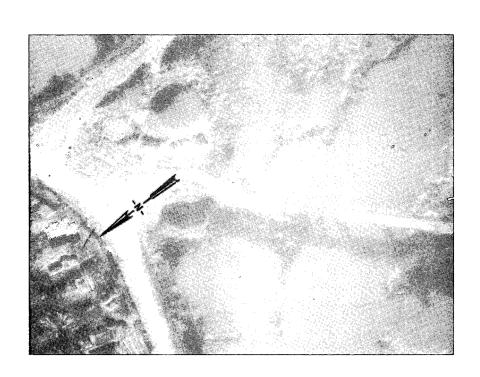
AME Con	Son Hwy. Bridge over	COUNTRY	COORDINATES	
tream	o. 61 on NE 48-3	North Vietnam	19 42N - 105 41E WG723785	
			BRIEF NO:	
			PIB 75428	
MAP	JOG (A) 1501 NE 48-	-3 ·	T January 1967	
OCATION:	N edge of Yen Qua on	Route 704.		
ESCRIPTION:				25X
LENGTH WIDTH	150' approx.	material Concrete		
TYPE	15' approx. Deck	LENGTH OF EACH SPAN		

COMPENSATIVE ACTION:

25X1

25X1

Ford located 1000' south.



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		DDI IMAG	GERY ANALYSIS STAFF	
	NAME Bat	i Xai Hwy. Bridge SE over	COUNTRY	COORDINATES
25X1	Nam Xan			19 O7N - 104 44E
	Bridge I	No. 11 on NE 48-2	North Vietnam	VG736152
25X1				BRIEF NO:
				PIB 75429
	NAP.	JOG (A) 1501 NE 48-2		February 1967
	LOCATION:	O.l nm SW of Ban Bung on	Route 7.	
	DESCRIPTION	:		
051/4	LENGTH WIDTH	300' approx.	MATERIAL Steel and	d concrete
25X1	TYPE	Half-through truss	LENGTH OF EACH SPAN	50' approx.
25X1	status:	change		
	COMPENSATIV	E ACTION:		
	By-	Pass No. 1 - constructed 2 base; 300' S	00' x 15' (approx.) f of main bridge; servi	Cord; probable rock/gravel.ceable.

(see following page for photo)

of main bridge; unserviceable.

By-Pass No. 2 - unprepared 200' (approx.) ford; 500' S of main bridge;

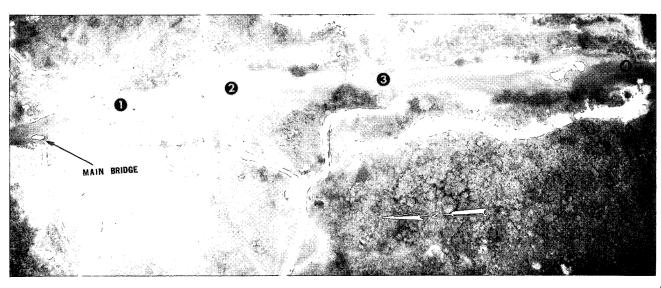
By-Pass No. 3 - constructed 250' x 15' (approx.) ford; probable rock/gravel base; 1000' S of main bridge; serviceable.

By-Pass No. 4 - 75' timber bridge under construction, number and dimensions

of spans unknown because of incomplete construction; 1400' S

serviceable.

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DDI IMAGERY ANALYSIS STAFF

PIB 75429 February 1967 Page 2

Approved For Release 2002/08/12 - CIA-RDP78T05161A001600080001-4

DDI IMAGERY ANALYSIS STAFF

NAME Ham Yen Hwy. Bridge over Country Coordinates

stream 2 203N - 105 02E

Bridge No. 1 on NF 48-7 North Vietnam WH039402

BRIEF NO:
PIB 75430

February 1967

LOCATION: O.1 nm W of Ham Yen on Route 2.

DESCRIPTION:

25X1

25X1

width 75' approx.

15' approx.
Deck

MATERIAL Timber
NO. OF SPANS]
LENGTH OF EACH SPAN 75 approx.

STATUS:

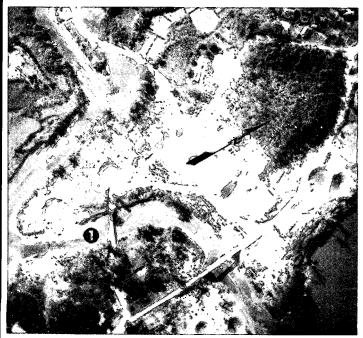
Deck and piers completely destroyed; minor damage to abutments; possible dummy bridge erected at site of main bridge.

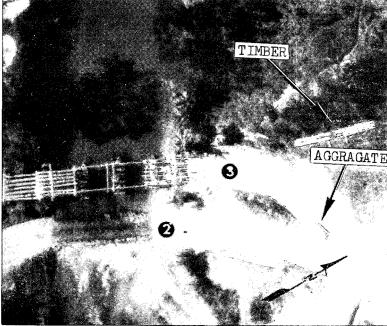
COMPENSATIVE ACTION:

By-Pass No. 1 - probable 3-span 75' x 15' (approx.) wood deck-type bridge with each span measuring 25' (approx.); 360' S of main bridge; serviceable.

By-Pass No. 2 - constructed 45' x 15' (approx.) ford; probable rock/gravel base; 1100' W of main bridge; serviceable.

By-Pass No. 3 - 5-span 75' x 15' (approx.) concrete and timber deck-type bridge under construction with each span measuring 15' (approx.); 1100' W of main bridge; timber and piles of aggregate located at northern approach to bridge.

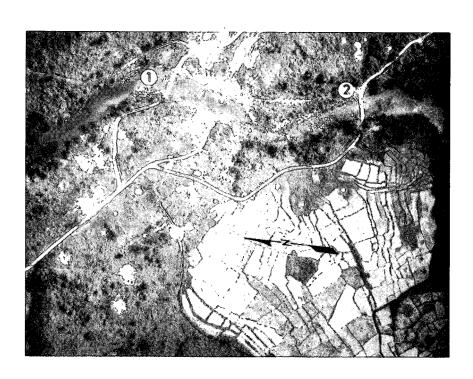




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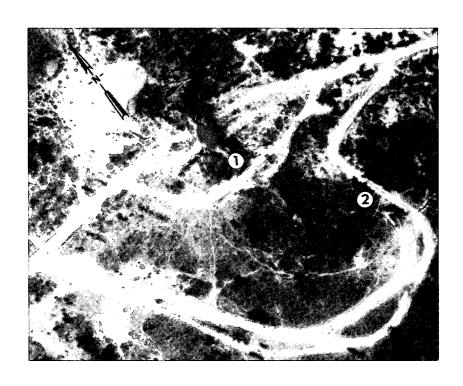
	CIA IMAGERY ANALYSIS DIVISION			
	NAME Can	h Trap Hwy. Bridge SW	COUNTRY	COORDINATES
25X1	over str]	19 13N - 104 32E
	Bridge N	o. 12 on NE 48-2	North Vietnam	VG515254
25X1				BRIEF NO:
				JPIB 75431
	MAP	JOG (A) 1501 NE 48-2		January 1967
	LOCATION:	O.1 nm SW of Canh Trap on	Route 7.	
	DESCRIPTION	1:		
	LENGTH Width Type	30' approx. 10' approx. Deck-beam and causeway	material Wood and rone of spans 2 Length of Each span 15	
		wood deck-beam span has b tion remains undamaged.	een completely destroyed	d. The causeway
05)//	COMPENSATI	/E ACTION:		
25X1	By - 2	Pass No. 1 - constructed base; 65' N o	(approx.) ford; f main bridge; serviceak	probable rock/gravel
25X1	By-1	Pass No. 2 - single span		deck-beam bridge with

bridge; serviceable.



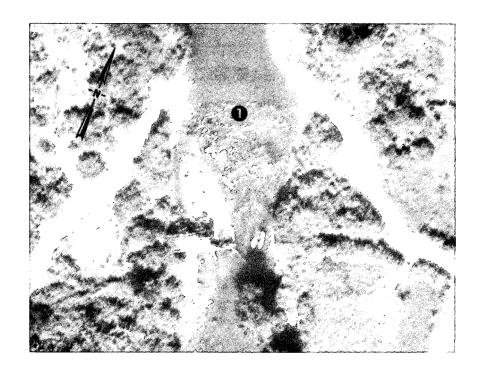
Approved For Release 200308413ENA RDP78T05161A001600080001-4

	CIA IMAGERY ANALYSIS DIVISION			
•	N AME		COUNTRY	COORDINATES
		Hwy. Bridge o. 1L on NE 48-1	Laos	19 39N - 103 18E UG224560
25X1				BRIEF NO:
				PIB 75432
•	LOCATION:	JOG (A) 1501 NE 48-1	Doube 7	January 1967
	200×110III	2.1 nm SW of Ban Dong on	Route (.	
	DESCRIPTION	:		
	LENGTH Width Type	20' approx. 10' approx.	material Timber no. of spans $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	and concrete
		Deck		20 approx.
25X1	STATUS:	change		
	COMPENSATI	/E ACTION:		
25X1	By -:	Pass No. l - single span 50' S of mai	(approx.) v n bridge; serviceable	wood deck-type bridge;
	By-	Pass No. 2 - single span		wood deck-type bridge;



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	CIA IMAGEF	RY ANALYSIS DIVISION	ON	
25X1	Mat Ban Ban Hwy. Bridge over Nam	COUNTRY	COORDINATES 19 37N - 103 33E	_
	Bridge No. 2L on NE 48-2	Laos	UG481713	
X1	PHOTO JOG (A) 1501 NE 48-2		BRIEF NO: PIB 75433 January 1967	
,	LOCATION: 0.7 nm W of Ban Ban on Rou	te 7.		
25X1	DESCRIPTION: LENGTH WIDTH TYPE Deck	MATERIAL Timbe NO. OF SPANS 3 P LENGTH OF EACH SE		25X ²
	STATUS: 2 spans and 1 pier destroyed.			
25X1	COMPENSATIVE ACTION: By-Pass No. 1 -		75' x 15' (approx.) ford;	ኬግດ

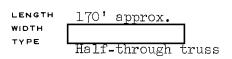


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	CIA IMAGERY ANALYSIS DIVISION	
N AME	COUNTRY	COORDINATES
Dao My Hwy. Bridge		18 50N - 105 22E
Bridge No. 63 on NE 48-7	North Vietnam	WF394832
		BRIEF NO:
		PIB 75434
	48-7	January 1967
LOCATION: 0.5 nm NW of Dao	My on Route 72.	

DESCRIPTION:

25X1



MATERIAL Steel and concrete

NO. OF SPANS 3

LENGTH OF EACH SPAN 2@ 50' approx.

1 @ 70' approx.

STATUS:

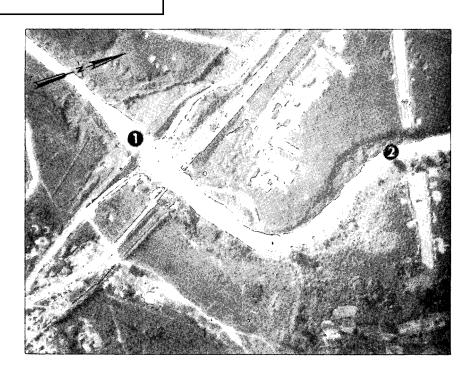
Moveable deck section resting on NW span and approach; bridge is serviceable.

COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 240' x 15' (approx.) ford; probable rock/gravel base; approx. 200' S of main bridge; serviceable.

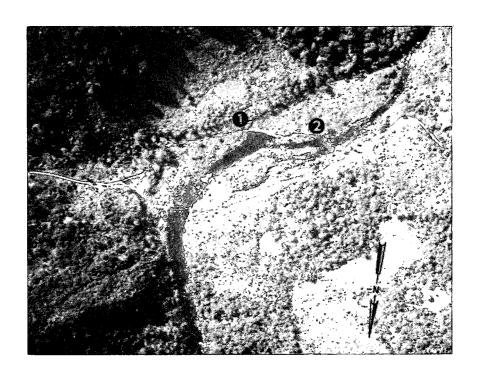
By-Pass No. 2 - cable bridge U/C 1800' N of bridge; west cable anchorage in advanced stage of construction; east cable anchorage in early stage of construction.

25X1



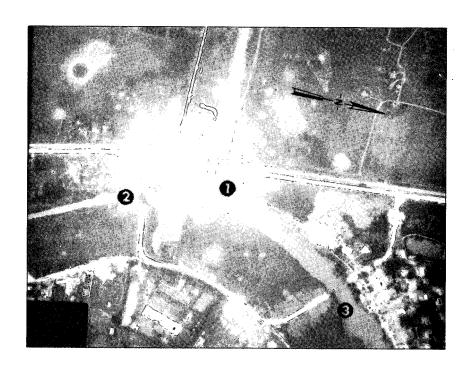
Approved For Release 2002/NF/IDE NIM-RDP78T05161A001600080001-4

•	CIA IMA	AGERY ANALYSIS DIVISION	
,	NAME Lang Mon Hwy. Bridge over	COUNTRY	COORDINATES
25X1	stream		21 13N - 104 30E
	Bridge No. 34 on NF 48-10	North Vietnam	vj494468
25X1			BRIEF NO:
			_ PIB 75435
	MAP JOG (A) 1501 NF 48-10		January 1967
	LOCATION: 1 nm E of Lang Mon on F	Route 13A.	
	DESCRIPTION:		
25X1	LENGTH WIDTH	MATERIAL Steel, conc No. of spans 2 probabl	
	Type 15' approx. Through-truss	LENGTH OF EACH SPAN	25X ²
25X1	No change]	
	COMPENSATIVE ACTION:		
	By-Pass No. 1 - constructed base; 600'	d 180' x 15' (approx.) for SW of main bridge; servic	
	By-Pass No. 2 - constructed		d; probable rock/gravel
25X1			



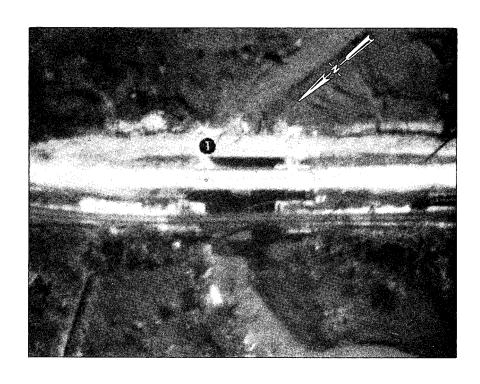
Approved For Release 2002/08/17 DEN TRAP78T05161A001600080001-4

		DDI IMA	GERY ANALYSIS STAFF	
	NAME Yer	n Xa RR. and Hwy. Bridge	COUNTRY	COORDINATES
25X1	over str		1	20 02N - 105 51E
	Bridge N	No. 12 on NF 48-15	North Vietnam	<u>WH888165</u>
25X1				BRIEF NO:
	MO.F			PIB 75436
•	LOCATION:	JOG (A) 1501 NF 48-15 0.5 nm W of Quang Lang Do	ng on Hanoi/Dong Hoi Ra	February 1967
	DESCRIPTION:		116 011 1101101/ DOING 1101 110	arr brite and noute in.
	LENGTH WIDTH Type	55' approx. 15' approx. Half-through truss	MATERIAL Steel and (NO. OF SPANS 1 LENGTH OF EACH SPAN 55	
	status: Rep	paired and serviceable to r	ail traffic only.	
	COMPENSATIV	E ACTION:		
25X1	By-	Pass No. 1 - 2-span	(approx.) timber ded	ek-type hwy. bridge with of main bridge; serviceable.
	By - By -	Pass No. 2 - Hwy. bridge U Pass No. 3 - Hwy. bridge U	$/ extsf{C}$; 200' SE of main $ ext{bri}$	_dge。
25X1				



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		CIA IMAG	ERY ANALYSIS DIVISION		
N AME	T C 11	Bai Hwy. Bridge over	COUNTRY	COORDINATES	
`\	i Cuo			21 42N - 104 53E	
Bri	dge N	o. 36 on NF 48-10	North Vietnam	VJ883997	
X 1				BRIEF NO:	_
				J PIB 75437	
MAF		JOG (A) 1501 NF 48-10		January 1967	
LOCA	ATION:	0.4 nm NE of Yen Bai on I	Route 13A.		
DESC	RIPTION	:			
	NGTH OTH PE	45' approx. 10' approx. Deck	material Concrete an No. of spans 1 LENGTH OF EACH SPAN 45	d steel 'approx.	
STAT		change in main bridge			
СОМР	ENSATI	/E ACTION:			
	By-I		` ·	wood with packed dirt djacent to the main	25X1 25X1



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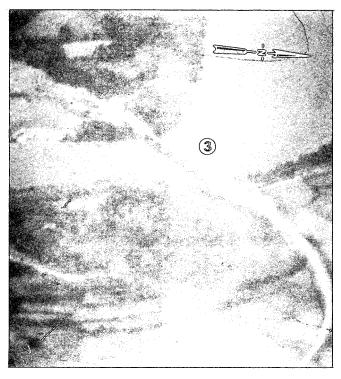
	DDI IMAGE	RY ANALYSIS STAFF	
_	NAME Qui Vinh RR. Bridge No. 1 over	COUNTRY	COORDINATES
25X1	Song Hoang Mai		19 15N - 105 41E
	Bridge No. 1 on NE 48-3	North Vietnam	WG724298
25X1			BRIEF NO:
			PIB 75438
	MAP JOG (A) 1501 NE 48-3		February 1967
	LOCATION: 0.4 nm W of Qui Vinh on Har	noi/Dong Hoi Rail Lin	
	DESCRIPTION:		
	LENGTH 260' approx.	MATERIAL Steel and co	oncrete
25X1	(Single track)	NO. OF SPANS 2 LENGTH OF EACH SPAN 13	
	Through-truss	LENGTH OF EACH SPAN 13	O' approx.
	STATUS:		
25X1	No change		
	COMPENSATIVE ACTION:	_	25X1
25X1	By-Pass No. 1 -	not observed	
	By-Pass No. 2 -	probable 16-span	(approx.) timber
		idge with spans measu	
			racks can not be determined.
25X1	By-Pass No. 3 - 6 span		nd steel deck-type bridge;
23/(1		bridge; serviceable	_
	,		25X1
25X1			
23/(1			

(see following page for photos)

DDI IMAGERY ANALYSIS STAFF

PIB 75438 February 1967 Page 2





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		DDI IMAG	ERY ANALYSIS STAFF		•
-	NAME Thi Long RR Br	ridge SE over	COUNTRY	COORDINATES	-
25X1	stream			19 30N - 105 44E	
05)(4 أ	Bridge No. 38 on NE	48-3	North Vietnam	WG775577	
25X1				BRIEF NO:	
L	MAP JOG (A) 15	501 NE 48-3		PIB 75439	
•	JUG (A)		anoi/Dong Hoi Rail	February 1967	•
	T 11111 12 O1	que Lam on the n	anory bong nor warr	True.	
	DESCRIPTION:				
	LENGTH		MATERIAL WOOD		
25X1	WIDTH Type		NO. OF SPANS 7 appro	X.	
	Deck		LENGTH OF EACH SPAN		25X1
25X1	STATUS:		•		
	No change				
	COMPENSATIVE ACTION:				
25X1	By-Pass No. 1 -	4 span	(annrox) probable	wood, probable deck-type	
			ns measuring 2 @ 30	o' (approx.), 2 @ 10' (appr	ox).
		960' S of main	bridge: piers and a	butments are in place;	OA. / ,
		construction of	spans has not been	started; track appears	
		to be in S of r	iver and ties are i	n place N of river.	
25X1		1			
20/(1					



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	CIA IM.	AGERY ANALYSIS DIVISION	
	NAME Ha Chanh Hwy. Bridge over	COUNTRY	COORDINATES
X1	stream		21 07N - 107 21E
Λ,	Bridge No. 1 on NF 48-12	North Vietnam	YJ440371
X1			BRIEF NO:
			PIB 75440
	MAP JOG (A) 1501 NF 48-12		January 1967
	LOCATION: 0.8 nm W of Ha Chanh or	n Route 18.	

DESCRIPTION:

LENGTH WIDTH TYPE

150' approx.
Half-through truss

MATERIAL Steel and concrete
NO. OF SPANS

LENGTH OF EACH SPAN 2 @ 25! 2773

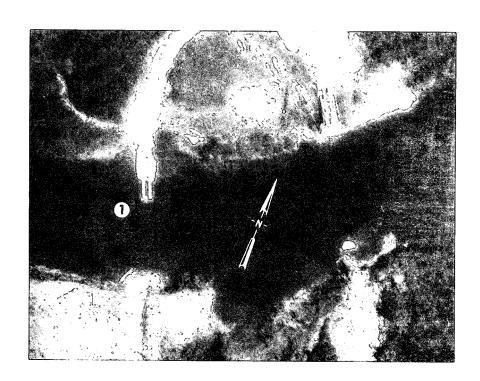
2 @ 25' approx. 1 @ 100' approx.

STATUS:

Main 100' span completely destroyed; two 25' spans, piers and abutments are intact.

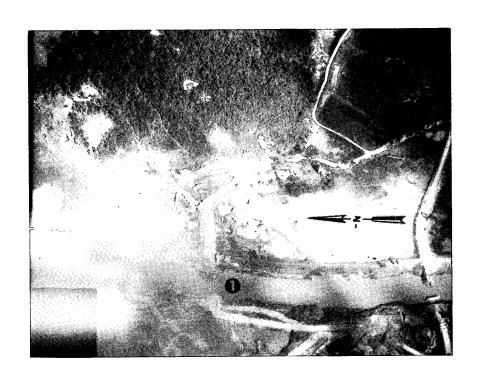
COMPENSATIVE ACTION:

By-Pass No. 1 - ferry landings located 150' W of main bridge; serviceable; no ferry boats noted.



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	DDI IMAG	ERY ANALYSIS STAFF	
NAME Xom Th	nai Highway Bridge over	COUNTRY	COORDINATES
(1 stream			18 40N - 105 36E
	25 on NE 48-7	North Vietnam	WF042651
(1			BRIEF NO:
			PIB 75441
MAP JO	G (A) 1501 NE 48-7		February 1967
LOCATION: 0.	nm NE of Xom Thai on Ro	oute 15.	
DESCRIPTION:			
1411 S. T. I	O' approx. 5' approx. ck	material Wood NO. OF SPANS 3 LENGTH OF EACH SPAN 4	O' approx.
status: 2 spai	ns dropped; l span damag	ed.	
COMPENSATIVE A	CTION:	_	
(1 By-Pas	ss No. 1 -		52); bridge completel
	destroyed and	replaced by ferry la	ndings; located 600' 1
	of main bridge	e: serviceable: l fer	ry hoat noted.



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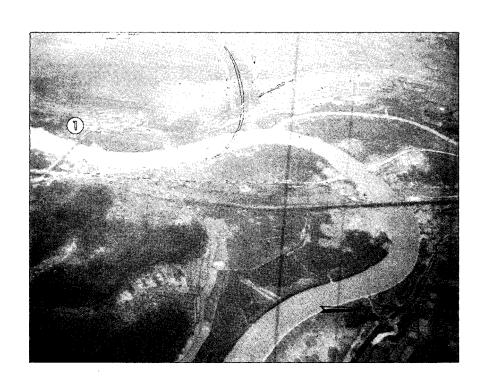
	CIA IMAGER	RY ANALYSIS DIVISION	
N AME	Cam Da RR. and Hwy. Bridge	COUNTRY	COORDINATES
	Song Cua Lo	North Vietnam	18 50N - 105 39E WF691839
(1		1100 012 7 1 0 0120111	BRIEF NO:
``			PIB 75442
MAP	JOG (A) 1501 NE 48-7		January 1967
DESCRIP	N: 2.3 nm NE of Tam Da on the		
LENGT WIDTH TYPE	360' approx. (Single track Deck beam with lattice town supports and piers) NO. OF SPANS 12 pro	d concrete bable 30' approx.
status: I	Repaired and serviceable.		
COMPENS	ATIVE ACTION:		

By-Pass No. 1 - probable 10-span with spans measuring bridge; U/C.

(approx.) wood deck-beam bridge 25X1

3100' S of main

25X1



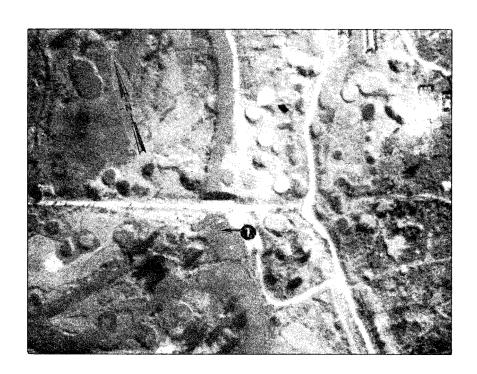
Approved For Release 2062/08/112 EQ 4-120P78T05161A001600080001-4

	CIA IMAG	ERY ANALYSIS DIVISION	
	NAME Son La Hwy. Bridge S over	COUNTRY	COORDINATES
25X1	Nam La		21 19N - 103 58E
	Bridge No. 6 on NF 48-10	North Vietnam	UJ876584
25X1			BRIEF NO:
			PIB 75443
	MAP JOG (A) 1501 NF 48-10		January 1967
	LOCATION: 0.5 nm W of Ban Lac on Ro	oute 6.	
	DESCRIPTION:		
	LENGTH 40' approx.	material Wood and co	oncrete
25X1	WIDTH	NO. OF SPANS 2	
_0/(1	Deck	LENGTH OF EACH SPAN 20	approx.
	Status: Slight deck damage; bridge se	erviceable.	
	COMPENSATIVE ACTION:		

By-Pass No. 1 - constructed 40' x 10' (approx.) ford; probable rock/gravel base; 15' S of main bridge; presently serviceable but not

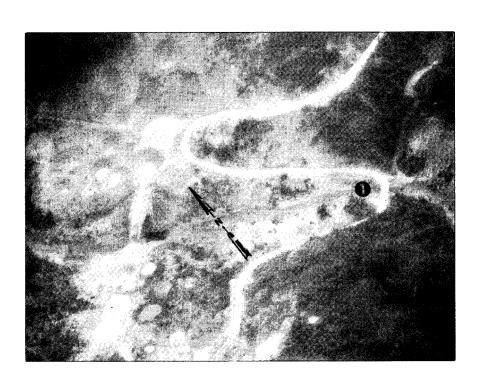
25X1

in use.



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•	. ,	CIA IMAGERY ANALYSIS DIVISION			
•	NAME Ban	Houei Cha Long Hwy. Bridge	COUNTRY	COORDINATES .	
25X1	W over s		North Vietnam	19 15N - 104 23E VG376288	
25X1 [°]				BRIEF NO:	
20/(1				PIB 75444	
	MAP	JOG (A) 1501 NE 48-2		January 1967	
	LOCATION:	l nm N of Ban Houei Cha Lo	ong on Route 7.		
	DESCRIPTION	l:			
	LENGTH Width Type	55' approx. 10' approx. Deck-arch	MATERIAL Masonry NO. OF SPANS 1 LENGTH OF EACH SPAN 55	'approx.	
		masonry arch has been seve	erely damaged and is se	rviceable to foot	
25X1	COMPENSATI	VE ACTION: Pass No. 1 - single span	(approx.) wood d	eck-type bridge;	



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		CIA	IMAGERY ANALYSIS DIVISION		
25X1		noi RR. and Hwy. Bridge es Rapides	e over Country	COORDINATES 21 04N - 105 54E	
20/(1	Bridge I	No. 18 on NF 48-11	North Vietnam	WJ948306	
25X1				BRIEF NO: PIB 75445	
	MAP	JOG (A) 1501 NF 48.		January 1967	
	LOCATION:	0.4 nm SW of Yen Vier	n on the Hanoi/Dong Dang Rai	I Line and Route LA.	
051/4	DESCRIPTION	1:			25X1
25X1	LENGTH		MATERIAL Steel and	concrete	_0,
	WIDTH Type	15' approx. Through truss	NO, OF SPANS 6 LENGTH OF EACH SPAN		
	status: Und	lamaged.			

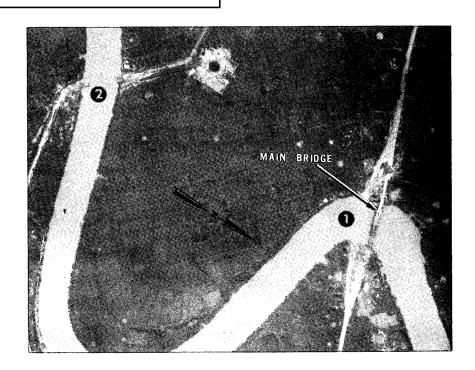
COMPENSATIVE ACTION:

By-Pass No. 1 - 8 span 670' x width undetermined (approx.); probable steel and concrete (type not known) bridge with spans measuring 2 @ 70', 6 @ 100'; 2100' E of main bridge; probable swing span U/C.



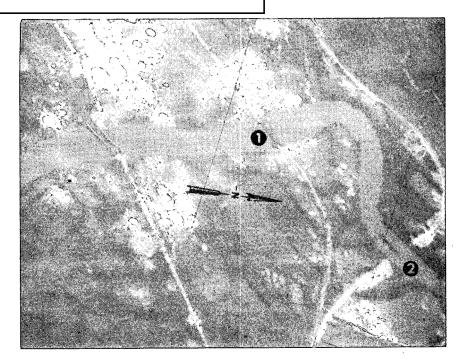
Approved For Release 2002/08/113 E 1014-RDP78T05161A001600080001-4

	CIA IM	AGERY ANALYSIS DIVISION		_
	NAME Thien Linh Dong Hwy. Bridge	COUNTRY	COORDINATES	•
25X1	over Vi Giang		19 43N - 105 42E	
20/(1	Bridge No. 32 on NE 48-3	North Vietnam	WG752806	
25X1			BRIEF NO:	
20/(1			PIB 75446	
	MAP JOG (A) 1501 NE 48-3		January 1967	_
	LOCATION: 0.5 nm SSW of Thien Lin	nh Dong on Route 704.		
		_		
	DESCRIPTION:	•		
25X1	LENGTH	material Wood		
	TYPE 10' approx.	NO. OF SPANS 8		25X1
	Deck	LENGTH OF EACH SPAN		20/(1
	STATUS: 2 spans dropped; l pier des	stroyed; bridge undergoin	ng repair.	
	COMPENSATIVE ACTION:			
	By-Pass No. 1 - ferry landi l ferry boa	•	cidge; serviceable;	
	By-Pass No. 2 - ferry landi no ferry bo		in bridge; under construc	ction;
25X1				



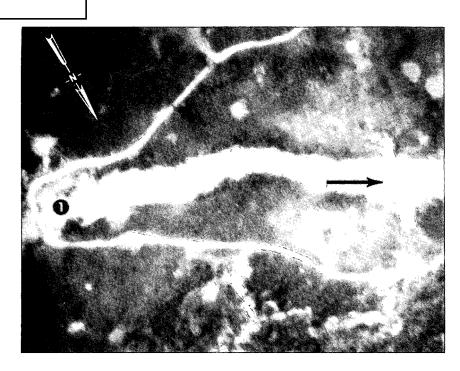
Approved For Release 2002/04/13 E CHARDP78T05161A001600080001-4

	CIA IMAG	ERY ANALYSIS DIVISION	<u></u>
	NAME Dia Thuy RR. Bridge SW over	COUNTRY	COORDINATES
25X1	Khe Dua		19 22N - 105 43E
	Bridge No. 60 on NE 48-3	North Vietnam	WG756417
25X1	1	-	BRIEF NO:
			PIB 75447
	MAP JOG (A) 1501 NE 48-3		January 1967
	LOCATION: 0.5 nm SE of Dong Ky on t	the Hanoi/Dong Hoi Rail	Line.
	DESCRIPTION:		
	LENGTH <u>115' approx.</u>	material Steel and	concrete
25X1	WIDTH (Single trac	ck) NO. OF SPANS	
	Half-through truss	LENGTH OF EACH SPAN	15' approx.
25X1	STATUS: No change		
	COMPENSATIVE ACTION:		
	and 3 @ 20' a	dan approx. wande with spans measurin approx.; 350' N of main is now serviceable.	
	By-Pass No. 2 - RR. by-pass i of main bridg	n initial stages of con	struction; approx. 700' N
25X1			



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NAME Don Bai Dinh Hwv.	Bridge Over COUNTRY	COORDINATES
Rao Cai	Di luge Ovel	17 45N - 105 46E
Bridge No. 8 on NE 48-1	l North Vietnam	WE825636
		BRIEF NO:
		PIB 75448
MAP JOG (A) 1501	NE 48-11	January 1967
LOCATION: O.1 nm N of Dor	Bai Dinh on Route 15.	
DESCRIPTION:		
LENGTH	material Concr	ete
WIDTH	NO. OF SPANS 3	
Deck	LENGTH OF EACH SP	PAN
20011		
STATUS:	,	
No change	•	
COMPENSATIVE ACTION:		
By-Pass No. 1 - co	nstructed (approx.)	ford; probable rock/gravel
	se; 400' E of main bridge; s	
By-Pass No. 2 - co		ford; probable rock/gravel
	se; 500' W of main bridge; s	
By-Pass No. 3 - co	nstructed (approx.) ford; probable rock/gravel
	se; 1000' NW of main bridge;	, =



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		CIA IMA	AGERY ANALYSIS DIVISION		
	NAME Ban Bung H	wy. Bridge over	COUNTRY	COORDINATES	
5X1	Nam Co			21 3LN - 103 2	OE
•	Bridge No. 13 o	n NF 48-9	North Vietnam	UJ278803	
5X1				BRIEF NO:	
• ,				PIB 75449	
	MAP JOG (A			January 1967	
	LOCATION: O.4 nm	NW of Ban Bung c	on Route 19.		
	DESCRIPTION:				
	LENGTH 90' ap	prox.	MATERIAL Steel,	concrete, timber	
5X1	WIDTH TYPE		NO. OF SPANS		
,,,,	Deck		LENGTH OF EACH SPAN	45' approx.	
	STATUS:				
	Main bridg	e not shown; no c	change in status		25×
	COMPENSATIVE ACTION	:			
5X1	By-Pass No	. 1 - constructed	(approx.)	ford; probable rock/	gravel
		base; 2300'	SW of main bridge; se		C
	By-Pass no	. 2 - constructed	1 280' x 15' (approx.)	ford; probable rock	/gravel
			SW of main bridge; se		, -
5X1					



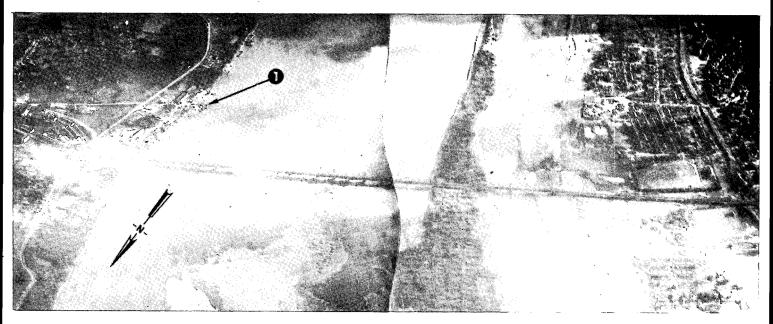
,	CIA IMAG	ERY ANALYSIS DIVISION		
25X1	the Red River Bridge No. 17 on NF 48-11	er COUNTRY North Vietnam	COORDINATES 21 02N - 105 52E WJ894268	
25X1	MAP JOG (A) 1501 NF 48-11 LOCATION: 0.4 nm ENE of Hanoi on to		BRIEF NO: PIB 75450 January 1967	
25X1	DESCRIPTION: LENGTH WIDTH TYPE 40' approx. Combination through trus.	MATERIAL Steel and NO. OF SPANS 19 LENGTH OF EACH SPAN	concrete	25X1

COMPENSATIVE ACTION:

Undamaged.

By-Pass No. 1 - ferry landings located 800' S of main bridge, and 4500' S of main bridge on the NE side of river; 1 nm S of main bridge on SW side of river; serviceable; no ferry boats noted; numbered annotations indicate ferry landings.

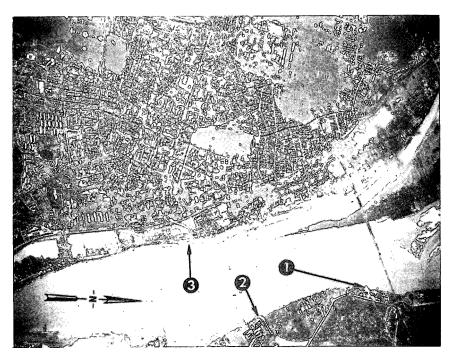
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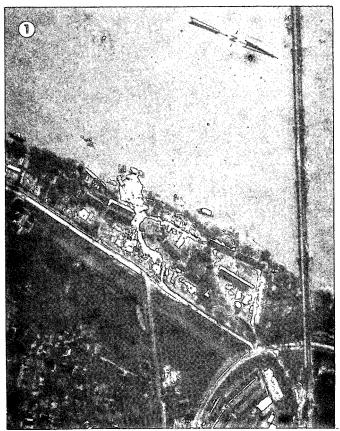


25X1

DDI IMAGERY ANALYSIS STAFF

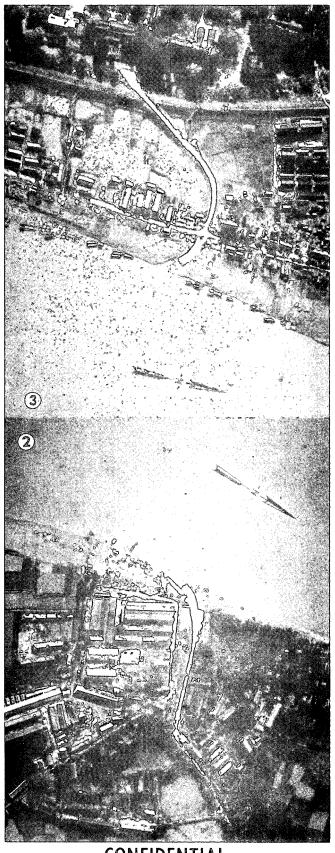
75450 Page 2





DDI IMAGERY ANALYSIS STAFF

PIB 75450 Page 3



Approved For Release 20(2/08/12):ENA-ROP78T05161A001600080001-4

CIA IMAGERY ANALYSIS DIVISION NAME Ban Poun Co Hwy. COUNTRY COORDINATES Bridge NE 21 32N - 103 19E over stream UJ262825 Bridge No. North Vietnam BRIEF NO: PIB 75451 January 1967 JOG (A) 1501 NF 48-9

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

DESCRIPTION:

25X1

25X1

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

Concrete MATERIAL NO. OF SPANS LENGTH OF EACH SPAN 201 approx.

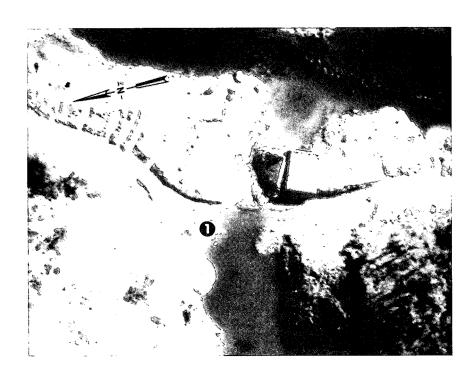
STATUS:

1 concrete abutment destroyed; span dropped.

COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 30' x 15' (approx.) ford; probable rock/gravel base; adjacent to main bridge on west side; serviceable.

25X1



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	CIAIM	MAGERY ANALYSIS DIVISION	
•	N AME	COUNTRY	COORDINATES
	Son Kinh Hwy. Bridge l	1	18 11N - 106 11E
_	Bridge No. 64 on NE 48-7	North Vietnam	XF255113
X1			BRIEF NO:
`			PIB 75452
	MAP JOG (A) 1501 NE 48-7	7	January 1967

LOCATION: O.1 nm E of Son Kinh on Route LA.

DESCRIPTION:

25X1

LENGTH 60' approx. WIDTH Deck

MATERIAL Timber NO. OF SPANS 3 LENGTH OF EACH SPAN 20' approx.

STATUS:

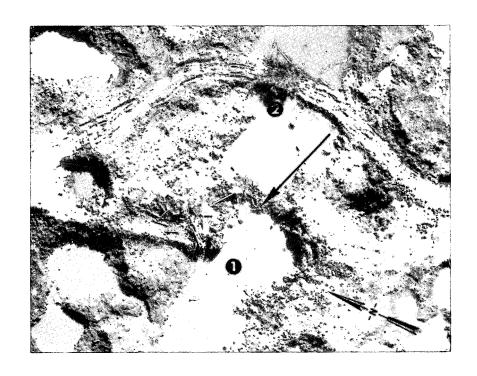
Completely destroyed.

COMPENSATIVE ACTION:

By-Pass No. 1 - 2-span 40' x 10' (approx.) timber bridge with 2 spans measuring 20'; immediately W of main bridge; completely destroyed.

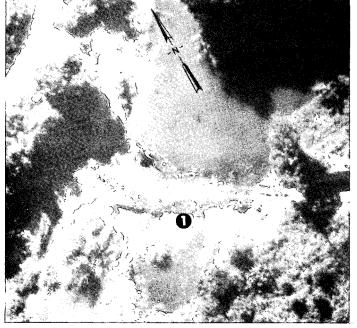
By-Pass No. 2 - combination rock-fill causeway and 1 span 15' x 10' (approx.)

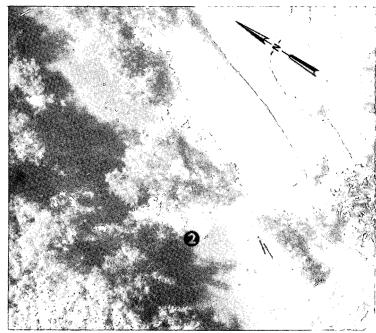
timber deck-type bridge; 100' E of main bridge; serviceable.



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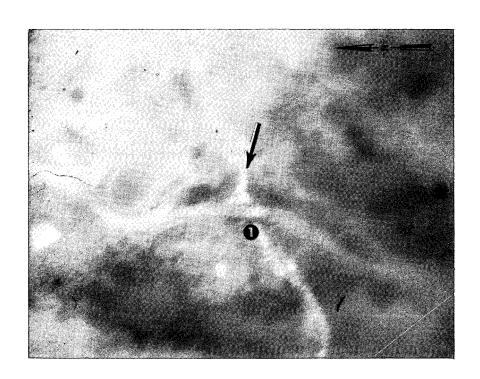
		DDI I	IMAGERY ANALYSIS STAFF	
•	N AME		COUNTRY	COORDINATES
		Ang Hwy. Bridge No. 16 on NF 48-9	North Vietnam	21 33N - 103 16E UJ215842
25X1 [°]				BRIEF NO:
	MAP	JOG (A) 1501 NF 48-9		PIB 75453 February 1967
	LOCATION:	0.7 nm NE of Ban Boa on	Route 19.	
	DESCRIPTION	1 :		
	LENGTH Width Type	75' approx. 10' approx. Cable bridge with	material Steel a no. of spans l length of each span	nd timber 75' approx.
25X1	status:	removeable decking change		
	COMPENSATI	VE ACTION:		
25X1	Ву	-Pass No. 1 - constructed base: 300'	d (approx.) Sw of main bridge; se	ford; probable rock/gravel
25X1	By	-Pass No. 2 - constructed		ford; probable rock/gravel
	(B	oth fords form one by-pas		
25X1				





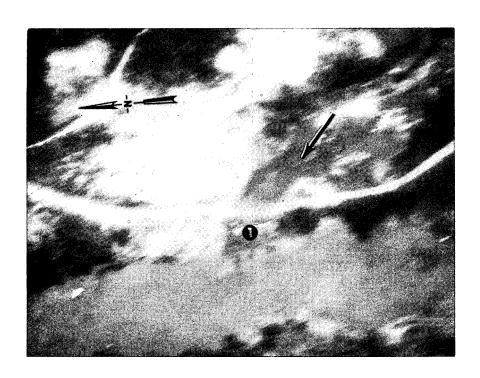
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		DDI IMA	AGERY ANALYSIS STAFF	
	NAME XO	m Ca <u>Dinh Hwv. Bridge</u> N	COUNTRY	COORDINATES
25X1	over st			17 48N - 105 47E
	Bridge	No. 6 on NE 48-11	North Vietnam	WE828696
25X1				BRIEF NO:
				PIB 75454
	MAP	JOG (A) 1501 NE 48-11		T February 1967
	LOCATION:	0.8 nm N of Xom Y Lanh on	Route 15.	
	DESCRIPTION	t :		
	LENGTH WIDTH Type	25' approx. 15' approx. Deck	material Probable co no. of spans 1 LENGTH OF EACH SPAN 25!	
25X1	status:	change		
	COMPENSATI	VE ACTION:		
25X1	Ву	-Pass No. 1 - probable cau	seway of earth fill con prox.); 30'W of bridge	
25X1				

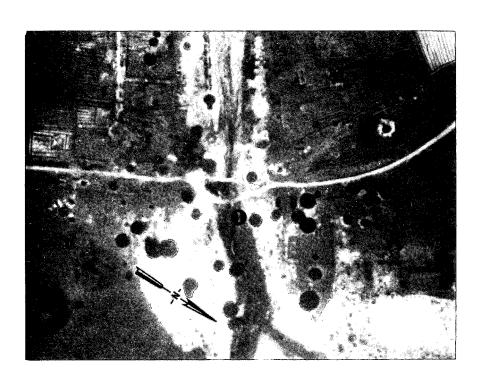


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	DDI IMAI	GERY ANALYSIS STAFF	-
•	NAME Xom Y Lanh Hwy. Bridge over	COUNTRY	COORDINATES
25X1	Rao Cai Trib		17 47N - 105 47E
	Bridge No. 2 on NE 48-11	North Vietnam	WE833666
25X1			BRIEF NO:
			PIB 75455
	MAP JOG (A) 1501 NE 48-11		February 1967
	LOCATION: 1 nm S of Xom Y Lanh on Ro	ute 15.	
	DESCRIPTION:		
25X1	LENGTH 85' approx.	MATERIAL Wood and con	
20/(1	Deck	LENGTH OF EACH SPAN 851	approx.
25X1	STATUS: No change		
25X1	COMPENSATIVE ACTION: By-Pass No. 1 - constructed		probable rock/gravel
25X1	pase; 30° w o	f bridge; serviceable.	



		DDI IMAGERY ANALYSIS STAFF	
N AME		COUNTRY	COORDINATES
	Hwy. Bridge No. 8 on NE 48-12	North Vietnam	17 16N - 106 46E XE889109
MAP		10	BRIEF NO: PIB 75456 February 1967
LOCATION:	JOG (A) 1501 NE 48 0.6 nm SE of An Dinh	,	I Teningty TAOL
DESCRIPTION	l:		
LENGTH Width Type	105' approx. 10' approx. Deck	material Concrete no. of spans 3 probe LENGTH OF EACH SPAN 2	able @ 40' approx. @ 25' approx.
status: No	apparent change		
COMPENSATI	VE ACTION:		
By	-Pass No. 1 - natural	45' (approx.) ford; 55' E	of main bridge; serviceal



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	DDI IMAGERY ANALYSIS STAFF		
•	NAME Ban Seng Phan Hwy. Bridge	COUNTRY	COORDINATES
X1	over Nam Ngo		17 29N - 105 42E
	Bridge No. 16L on NE 48-11	Laos	WE 747332
X1			BRIEF NO:
<i>,</i> ()			PIB 75457
	MAP JOG (A) 1501 NE 48-11		February 1967
	LOCATION: O T OT O D C- DI-	D 1 00	

LOCATION: 0.1 nm SE of Ban Seng Phan on Route 23.

DESCRIPTION:

TYPE

50' approx.
10' approx.
Probable deck

material Timber
no. of spans 2 probable
LENGTH OF EACH SPAN 25 approx.

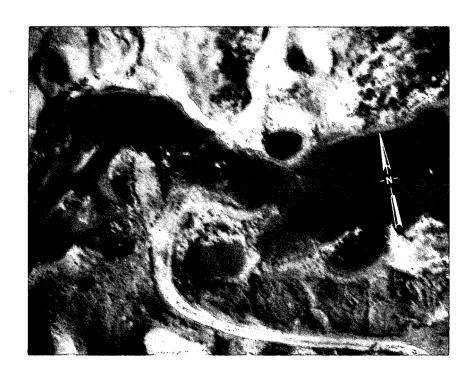
STATUS:

Constructed 50' x 15' (approx.) ford; probable rock/gravel base; located at site of main bridge; serviceable.

COMPENSATIVE ACTION:

NA

25X1



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DDL IMACEDY ANALYSIS STAFE

		DDI IM	AGENT ANALISIS STATE	
•	NAME Ba	n Huot Hwy. Bridge over	COUNTRY	COORDINATES
5X1	Nam Tie		•	19 35N - 103 40E
0/(1		No. 3L on NE 48-2	Laos	UG618661
5X1 [°]				BRIEF NO:
				PIB 75458
	MAP	JOG (A) 1501 NE 48-2		February 1967
•	LOCATION:	1.0 nm E of Ban Ken on Ro	ute 7.	,
	DESCRIPTION	N:		
	LENGTH	110' approx.	MATERIAL Concret	e and steel
	WIDTH		NO. OF SPANS 3 pro	bable
	TYPE	10' approx.	LENGTH OF EACH SPAN	2 @ 35' approx.
		Through truss		1 @ 40' approx.
	STATUS:			

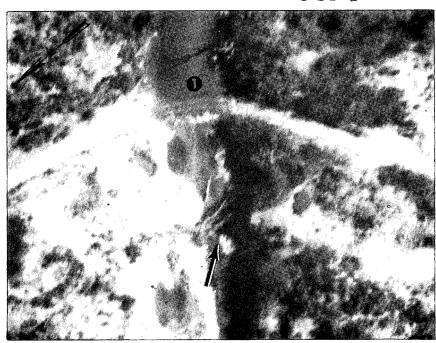
severely damaged.

25X1

By-Pass No. 1 - constructed (approx.) ford; probable rock/gravel base; 150' SE of bridge; serviceable.

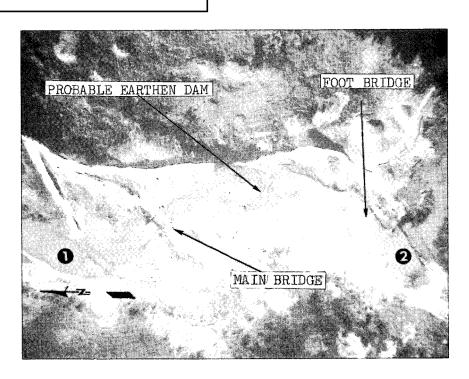
3 spans destroyed; 2 piers destroyed; 1 abutment destroyed; 1 abutment

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	CIA IA	MAGERY ANALYSIS DIVISION	
stream	Tham Hwy. Bridge over	COUNTRY North Vietnam	COORDINATES 21 25N - 103 43E UJ683695
			BRIEF NO: PIB 75459
MAP LOCATION:	JOG (A) 1501 NF 48-1		January 1967
DESCRIPTION LENGTH WIDTH TYPE	40' approx. Deck	MATERIAL WOOD NO. OF SPANS 1 LENGTH OF EACH SPAN	40' approx.
	change 3 pieces of 40' approx		ceable; decking consists
COMPENSATI			
By-		ed 120' x 15' (approx.) 'N of main bridge; serv	ford; probable rock/gravel iceable.
-			ford; probable rock/gravel



Approved For Release 2002081F2D ENTRAP278T05161A001600080001-4

DDI IMAGERY ANALYSIS STAFF COUNTRY COORDINATES 17 22N - 106 40E stream Bridge No. 37 on NE 48-12 North Vietnam XE779213 BRIEF NO: PIB 75460 February 1967 1501 MAP NE 48-12

0.9 nm NE of Hien Loc on Route LA.

DESCRIPTION:

25X1

25X1

LENGTH 20' approx. WIDTH 20' approx. TYPE Probable deck MATERIAL Probable concrete
NO. OF SPANS l probable LENGTH OF EACH SPAN 201 approx.

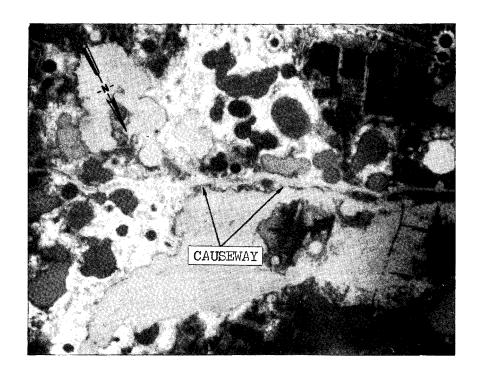
STATUS:

Bridge replaced by a serviceable 900' by 20' (approx.) causeway.

COMPENSATIVE ACTION:

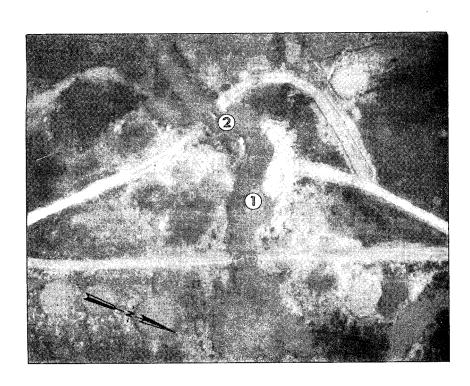
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25X1



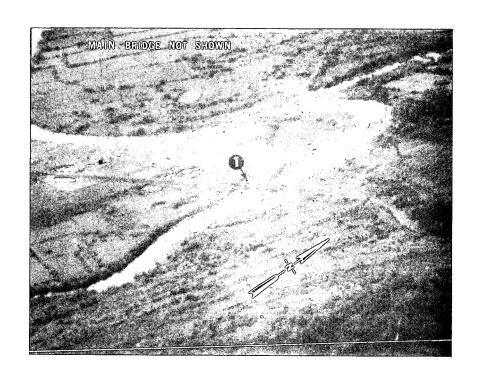
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	CIA IMAGER	RY ANALYSIS DIVISION		
•	NAME Hoang Pho Hwy. Bridge over	COUNTRY	COORDINATES	
25X1	stream		19 3 ln - 105 41E	
	Bridge No. 47 on NE 48-3	North Vietnam	WG722583	_
25X1			BRIEF NO: PIB 75461	
	MAP JOG (A) 1501 NE 48-3		January 1967	_
•	LOCATION: 0.4 nm SE of Thai Yen on a	n unnumbered route.		
25 / 1	DESCRIPTION:	MATERIAL Timber and	concrete	
25X1	WIDTH	No. of spans 2 probabl		
	TYPE Deck	LENGTH OF EACH SPAN	Le	25X1
	Both spans destroyed; pier dam undergoing repair.	aged; abutments intact	; bridge probably	
	COMPENSATIVE ACTION:			
	By-Pass No. 1 - 135' x 20' (ap yet serviceabl		V of main bridge; not	
25X1	By-Pass No. 2 - 2 span	(approx.) timber and ans measuring 20' U/C;	d concrete deck-type 190' W of main bridge	



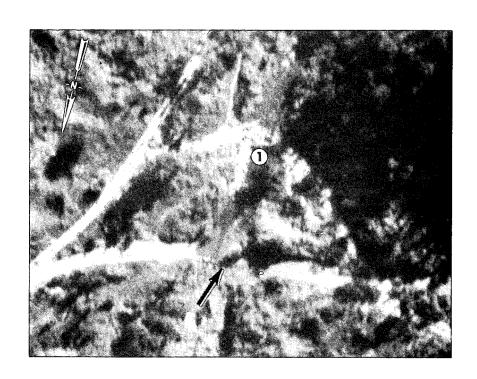
Approved For Release 20(27)(4)(12):E014-120P78T05161A001600080001-4

	CIA IMAGER	RY ANALYSIS DIVISION	
25X1	NAME Thi Long RR. Bridge over Suoi Cay Gang Bridge No. 2 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 31N - 105 42E WG749595
25X1	MAP JOG (A) 1501 NE 48-3	Moretti vietnam	#G749797 BRIEF NO: PIB 75462 January 1967
	DESCRIPTION: LENGTH 1001	Ctool	Line.
25X1	width type Through-truss [Single track]) NO. OF SPANS 2 LENGTH OF EACH SPAN 1	25' approx. 275' approx.
25X1	No change		
	COMPENSATIVE ACTION:		
25X1	By-pass No. 1 - 4-span probable rock-filled crib pier: 2 @ 25'; 1500' W of main bridge	(approx.) wood deck-ks; spans measure approxe; serviceable.	



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	CIA IMAGE	RY ANALYSIS DIVISION		
	N AME	COUNTRY	COORDINATES	
	Muong Sen Hwy. Bridge Bridge No. 13 on NE 48-2	North Vietnam	19 23N - 10 ¹ , 08E VG106450	
25X1	Dilage No. 1, on No 40=2	I NOT CIT A TECHSIII	BRIEF NO:	
20/(1			PIB 75463	
	MAP JOG (A) 1501 NE 48-2		January 1967	
	LOCATION: At Muong Sen on Route 7.			
	DESCRIPTION:			
25X1	WIDTH 10' approx. Deck	MATERIAL Timber NO. OF SPANS 5 LENGTH OF EACH SPAN	25	X1
25X1	No change			
	COMPENSATIVE ACTION: By-Pass No. 1 - possible 3-spans means		25) timber deck-type bridge main bridge; serviceable.	5X1
25X1				

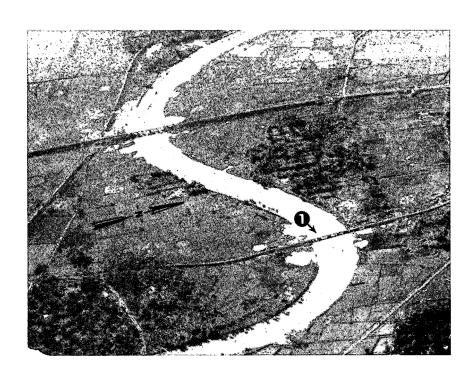


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		CIA IMAGE	RY ANALYSIS DIVISION	
	NAME Yen	Hoi Ha RR. Bridge over	COUNTRY	COORDINATES
25X1	highway			18 15N - 105 40E
	Bridge N	o. 87 on NE 48-7	North Vietnam	WF716187
25X1				BRIEF NO:
				PIB 75464
	MAP	JOG (A) 1501 NE 48-7		January 1967
	LOCATION:	O.1 nm SW of Xom Bo on Ha	noi/Dong Hoi Rail Line.	
	DESCRIPTION LENGTH	ı:	MATERIAL Steel and co	oncrete
25X1	WIDTH Type	Deck	NO. OF SPANS 3	25X1
		pan dropped; 2 spans heavil bridge.	ly damaged; track has be	een removed from approaches
	COMPENSATI	VE ACTION:		
	Non	e		
25X1				

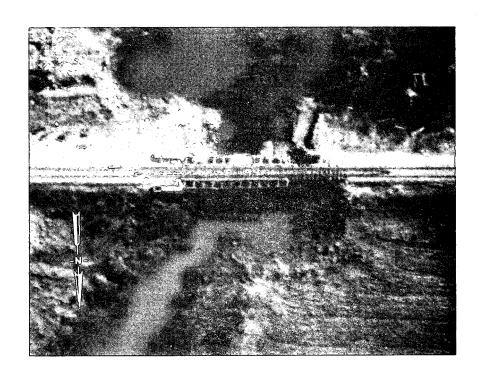


•		CIA IMAGER	RY ANALYSIS DIVISION	
DEV4		ng Quang Tien RR. Bridge	COUNTRY	COORDINATES
25X1	over Son Bridge N	g ren No. 37 on NE 48-3	North Vietnam	19 37N - 105 42E WG740696
25X1 [BRIEF NO: PIB 75465
	MAP LOCATION:	JOG (A) 1501 NE 48-3 1.2 nm E of Trong Quang Ti	en on the Hanoi/Dong Ho	January 1967 Di Rail Line.
	DESCRIPTION			
	LENGTH Width Type	195' approx. 10' approx. (Single track Deck-girder	MATERIAL Steel and on the second of the second seco	concrete approx.
		troyed and subsequently rec bable wood, deck-beam bridg	· · · · · · · · · · · · · · · · · · ·	1
25X1		sure approximately each	. The bridge is now se	
25X1	bea	Pass No.1 - m bridge with spans measuring of main bridge; serviceable	ng	cox.) wood and steel deck-
	7/17	or morn pringe, serviceable	•	 25X1



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	CIA IMAGERY ANALYSIS DIVISION				
	NAME Lan	h Khanh RR. Bridge SE over	COUNTRY	COORDINATES	
25X1	stream			21 34N - 104 59E	
	Bridge N	o. 43 on NF 48-10	North Vietnam	VJ991859 1 BRIEF NO:	
25X1				PIB 75466	
	MAP	JOG (A) 1501 NF 48-10		January 1967	
	LOCATION:	l nm SE of Yen Son on the	Hanoi/Lao Cai Rail Line	€.	
	DESCRIPTION:				
	LENGTH WIDTH Type	45' approx. 15' approx. (Single track) Half-through truss	MATERIAL Steel and concording the span 45'		
		n has been replaced and a 2 n the cratered abutment. E			
	COMPENSATIV	VE ACTION:		•	
	Non	е			
25X1					



	DDI IMAGERY ANALYSIS STAFF		
-	NAME	COUNTRY	COORDINATES
_	Ban Itak Hwy. Bridge Bridge No. 29L on NE 48-11	Laos	17 38N - 105 10E WE184510
5X1 Ī			BRIEF NO:
23/1			PIB 75467
	MAP JOG (A) 1501 NE 48-11		February 1967

LOCATION: 0.3 nm N of Ban Itak on Route 8.

DESCRIPTION:

WIDTH
TYPE
40' approx.
10' approx.
Through-truss

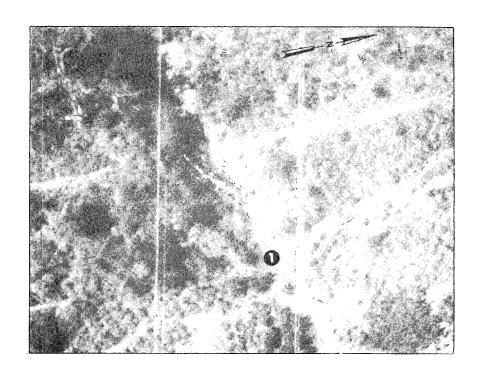
MATERIAL Steel and timber NO. OF SPANS 1 LENGTH OF EACH SPAN 40' approx.

STATUS:

The span has been completely dropped; abutments probably damaged.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 15' (approx.) ford; 75' E of the main bridge; unused by vehicles but possibly serviceable.



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D	DI IMAGERY ANALYSIS STAFF	
NAME	COUNTRY	COORDINATES
Ban Na Thinh Hwy. Bridge		17 34N - 105 36E
Ban Na Thinh Hwy. Bridge Bridge No. 2L on NE 48-11	Laos	WE651439
31	<u> </u>	BRIEF NO:
`		PIB 75468
MAP JOG (A) 1501 NE 48-1	_1	PIB 75468 February 1967

LOCATION: 0.4 nm E of Ban Na Thinh on Route 12.

DESCRIPTION:

LENGTH WIDTH TYPE

20' approx.

Deck

MATERIAL WOOD

NO. OF SPANS 1

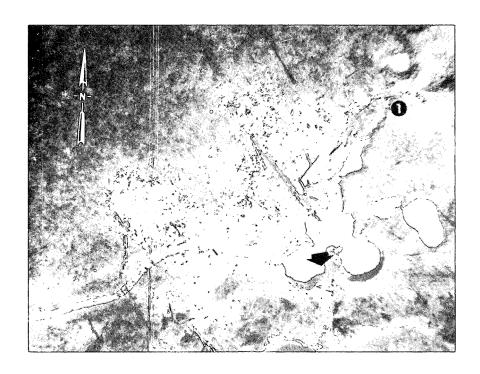
LENGTH OF EACH SPAN 201 approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

By-Pass No. 1 - single span 10' x 10' (approx.) timber deck-type bridge; 210' N of main bridge; serviceable.



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DDI IMAGERY ANALYSIS STAFF

NAME

Ban Xiangdao Hwy. Bridge

Bridge No. 30L on NE 48-11

REFERENCES

PHOTO

MAP

DDI IMAGERY ANALYSIS STAFF

COORDINATES

17 34N - 105 30E

WE544438

BRIEF NO:
PIB 75469

April 1967

LOCATION:

DESCRIPTION:

LENGTH Width Type MATERIAL
NO. OF SPANS
LENGTH OF EACH SPAN

STATUS:

COMPENSATIVE ACTION:

NOTE: Destroy all copies of PIB 65314.

Correct all copies of PIB 75469 to agree with the above information.

WTAL REGRES GOPY

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DDI IMAGERY ANALYSIS STAFF			
N AME	COUNTRY	COORDINATES	
Ban Xieng Dao Hwy. Bridge		17 34N - 105 31E WE548437	
Ban Xieng Dao Hwy. Bridge Bridge No. 30L on NE 48-11	Laos	WE548437	
		BRIEF NO:	
		PIB 75469 February 1967	
MAP JOG (A) 1501 NE 48-11		February 1967	

LOCATION: 0.7 nm W of Ban Xieng Dao on Route 12.

DESCRIPTION:

WIDTH

25X1

LENGTH 60' approx.

TYPE

10' approx.

Deck

MATERIAL WOOD

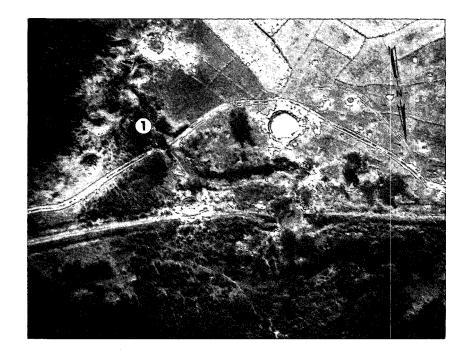
NO. OF SPANS 3 probable
LENGTH OF EACH SPAN 201 approx.

STATUS:

Two spans dropped; 1 abutment destroyed.

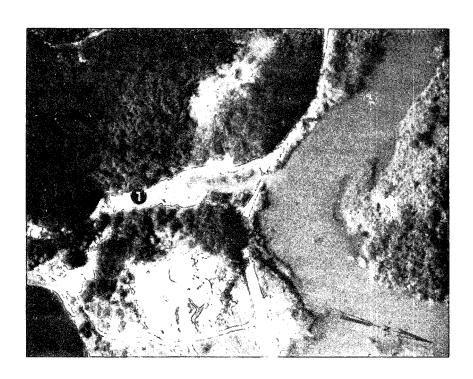
COMPENSATIVE ACTION:

By-Pass No. 1 - natural 25' (approx.) ford; 200' S of main bridge; serviceable.



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	CIA IMAGERY ANALYSIS DIVISION				
•	NAME		COUNTRY	COORDINATES	
	Ban Nong Bua Hwy. Br Bridge No. 21 on NF		North Vietnam	21 24N - 103 02E TJ973683	
25X1				BRIEF NO: PIB 75470	
	MAP JOG (A) 150	1 NF 48-9		January 1967	
	LOCATION: 0.7 nm NE c	of Ban Nong Bua	on Route 19.		
DESCRIPTION:					
25X1	width type Deck		MATERIAL Concretino. OF SPANS proleman	bable	
	status: l abutment destroyed; span dropped.				
25X1	COMPENSATIVE ACTION: By-Pass No. 1 -		rox.) causeway; rocl n bridge; serviceab	k/gravel construction; le.	

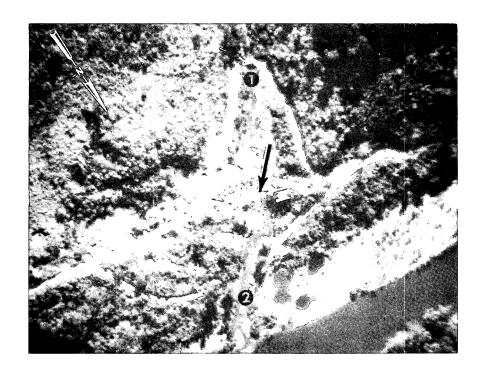


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		GERY ANALYSIS DIVISION	
	Cu RR. Bridge N over	COUNTRY	COORDINATES
stream		77 / 7 TT - 1	19 23N - 105 44E
Bridge No	. 51 on NE 48-3	North Vietnam	WG780429 BRIEF NO:
			PIB 75471
MAP	JOG (A) 1501 NE 48-3		January 1967
LOCATION:	0.9 nm NW of Huu Lai on	the Hanoi/Dong Hoi Ra	ail Line.
DESCRIPTION:			
LENGTH	60' approx.	MATERIAL Steel 8	and wood
WIDTH	00° approx. 10' approx. (Single trac	no. of spans 1	
	Deck	LENGTH OF EACH SPAN	60' approx.
_		-	
status: No c	hange		
		1	
COMPENSATIV	E ACTION:		
-	ass No. 1 - single span		ood deck-beam bridge, 130
		idge; serviceable.	7 7 7 7 7 7 7 9 100
By-P	ass No. 2 - single span	capprox.) wo pridge; serviceable.	ood deck-beam bridge, 840
Bv-P	ass No. 3 - single span		ood deck-beam bridge, 400
- v		ridge; serviceable.	0 /
NAME OF		7	
NOTE: Th	ese three bridges are al	<u>l used as one rall by </u>	y-pass. T
	A CONTRACTOR OF THE CONTRACTOR		
		MAIN BRIDG	
		- (d) (d) (d)	
		2	

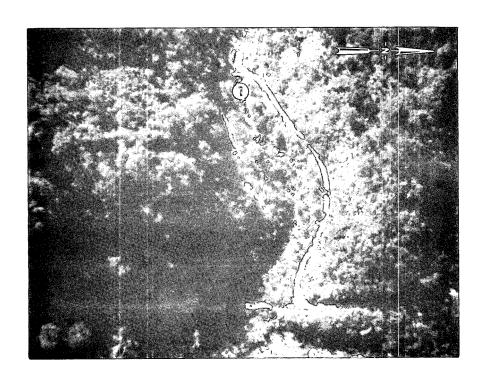
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•	DDI IMAGERY ANALYSIS STAFF		
•	N AME	COUNTRY	COORDINATES
	Ban Nhan Dong Hwy. Bridge		19 20N - 104 18E
	Bridge No. 6 on NE 48-2	North Vietnam	VG270377
25X1			BRIEF NO:
,			PIB 75472
	MAP JOG (A) 1501 NE 48-2		February 1967
	LOCATION: O.1 nm W of Ban Whan Don	g on Route 7.	
	DESCRIPTION:		
	width 120' approx. width 10' approx. TYPE Deck	material Concrete no. of spans 2 length of each span 60	'approx.
25X1	STATUS: No change		
05)/4	COMPENSATIVE ACTION:		
25X1	By-Pass No. 1 - single-span	(approx.) wood	deck-type bridge 220'
		bridge; serviceable.	,
25X1	By-Pass No. 2 - constructed		; probable rock/gravel
	base; 130'.	NE of main bridge; servi	ceable.
25X1			
		•	



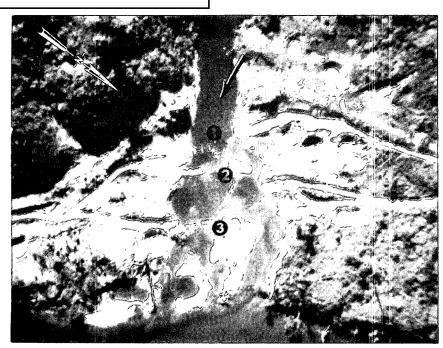
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•	DDI IMAG	ERY ANALYSIS STAFF		
25X1	NAME Ban Tan Xa Hwy. Bridge over stream	COUNTRY	COORDINATES	
20/(1	Bridge No. 15 on NE 48-2	North Vietnam	YG305334	
25X1			BRIEF NO: PIB 75473	
	MAP JOG (A) 1501 NE 48-2		February 1967	_
•	LOCATION: 1 nm SE of Ban Ta Xa on Ro	ute 7.		
25X1	DESCRIPTION: LENGTH WIDTH TYPE Deck	MATERIAL Concrete and	l wood	25X1
25X1	status: No change			
25X1	COMPENSATIVE ACTION: By-Pass No. 1 - single-span 390' W of main	(approx.) wood n bridge; serviceable.	deck-type bridge;	
25X1				



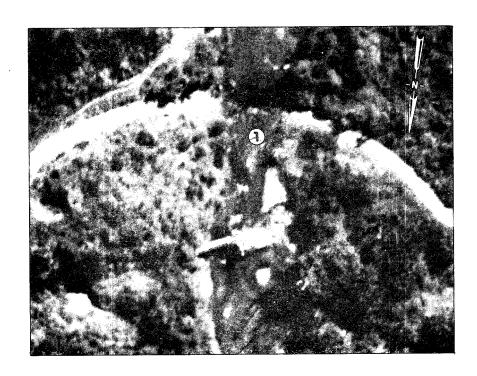
Approved For Release 2002/09/110 ENT ROP78T05161A001600080001-4

•		DDI IMAGERY ANALYSIS STAFF	
•	NAME	COUNTRY	COORDINATES
	Ban Muong Thu Hwy. Bridge Bridge No. 1 on NE 48-2	North Vietnam	19 20N - 104 17E V G 250384
5X1			BRIEF NO: PIB 75474
		48-2	February 1967
	LOCATION: 1.3 nm SE of Ban	Muong Thu on Route 7.	
	DESCRIPTION:		
5X1	winth 130' approx.	NO. OF SPANS	d concrete
	Half-through trus	LENGTH OF EACH SPAN	130' approx.
5X1	STATUS: No change		
V4	COMPENSATIVE ACTION:		
X1 X1	By-Pass No. 1 - 8-sp 8 sp		deck-type bridge with idge; 8 spans destroyed;
	4 pi	ers destroyed.	
X1 X1	By-Pass No. 2 - 2-sp	an (approx.) wood do combined with a constructed able rock/gravel base; 150' N	
	By-Pass No. 3 - cons	tructed 190' x 15' (approx.); 230' NE of main bridge; ser	ford; probable rock/gravel
5X1			
-/ (1			



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		CIA IMAGERY ANALYSIS DIVISION	
•	N AME	COUNTRY	COORDINATES
	Ban Pieng Hom Hwy. Bridge		19 22N - 104 13E
	Bridge No. 3 on NE 48-2	North Vietnam	VG187418
25X1			BRIEF NO: PIB 75475
	MAP JOG (A) 1501 N.	E 48-2	January 1967
,	LOCATION: At Ban Pieng Hom	on Route 7.	
	DESCRIPTION:		
	LENGTH 150' approx. WIDTH 10' approx. TYPE Deck	MATERIAL CONCRETE NO. OF SPANS 3 LENGTH OF EACH SPAN 50	approx.
25X1	status: No change		
	COMPENSATIVE ACTION:		
		tructed 70' x 15' (approx.) ford; 125' S of main bridge; services	
25X1			



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_	DDI IMAG	SERY ANALYSIS STAFF	
- 25X1	Nam Kien Hwv. Bridge over	COUNTRY	COORDINATES
-	Bridge No. 8 on NE 48-2	North Vietnam	VG328310
25X1			BRIEF NO: PIB 75476
	MAP JOG (A) 1501 NE 48-2		February 1967
	LOCATION: At the N edge of Khe Kien	on Route 7.	
	DESCRIPTION:		
25X1	width type Deck	material Concrete no. of spans 3 LENGTH OF EACH SPAN 801	approx.
25X1	No change		
	COMPENSATIVE ACTION:		
25X1	By-Pass No. 1	2-span (a	pprox.) wood deck-type 25X1
	main bridge c		approx.; 200' NE of 25X ted 95' x 15' (approx.)
25X1	By-Pass No. 2 - possi <u>ble</u> 6-sp		wood deck-type bridge 25X
25X1	By-Pass No. 3 - constructed		; probable rock/gravel
25X1			

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DDI IMAGERY ANALYSIS STAFF

PIB 75476 Page 2





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DDI IMAGERY ANALYSIS STAFF			
N AME	COUNTRY	COORDINATES	
Dong Hoi Hwy. Bridge S over Moat Bridge No. 62 on NE 48-12	North Vietnam	17 27N - 106 37E XE728315	
	•	BRIEF NO:	
		PIB 75477	
MAP JOG (A) 1501 NE 48-12		February 1967	

LOCATION: At Dong Hoi on Route LA.

DESCRIPTION:

LENGTH HTGIW TYPE

75' approx.

15' approx.
Deck/causeway

MATERIAL Concrete, earth fill

NO. OF SPANS 3 probable LENGTH OF EACH SPAN 25' approx.

STATUS:

North end of bridge cratered; 1 span destroyed; 1 abutment destroyed.

COMPENSATIVE ACTION:

None

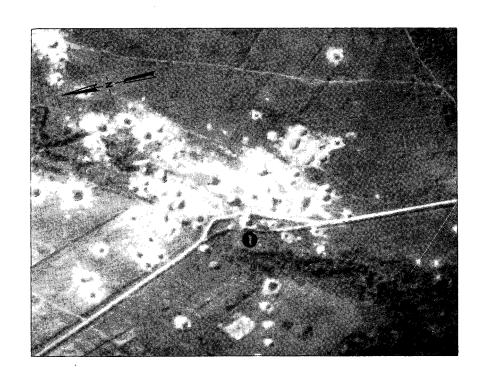


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25X1

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_				
•	DDI IMAG	ERY ANALYSIS STAFF		_
25X1	NAME Phu Hao Dong Thon Hwv. Bridge over stream	COUNTRY	coordinates 17 10N - 106 44E	•
	Bridge No. 61 on NE 48-12	North Vietnam	XD852999	
25X1			BRIEF NO: PIB 75478	
	MAP JOG (A) 1501 NE 48-12		February 1967	_
•	LOCATION: 1.1 nm S of Phu Hao Dong T	hon on Route 101.		-
0.57/4	DESCRIPTION:			
25X1	LENGTH	material Timber		
	WIDTH LO' approx.	NO. OF SPANS 3 approx.		
	Deck	LENGTH OF EACH SPAN		25X1
	Repaired and serviceable.			
	1			
	COMPENSATIVE ACTION:			
	By-Pass No. 1 - natural 40' (a serviceable.	approx.) ford; 50' W of	? main bridge; probably	
25X1				



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	D	DI IMAGERY ANALYSIS STAFF		
	NAME	COUNTRY	COORDINATES	
	Ban Hua Na Hwy. Bridge	North Vietnam	19 10N - 104 36E V G 589204	
051/4	Bridge No. 14 on NE 48-2	NOT GIT A LE CHAM	BRIEF NO:	
25X1			PIB 75479	
	MAP JOG (A) 1501 NE 48-2		February 1967	
	LOCATION: 1.0 nm E of Ban Hua Na	on Route 7.		•
25X1	LENGTH WIDTH TYPE Continuous arch	material Masonry no. of spans 12 pro Length of each span	obable	25X1
	status: One span heavily damaged	; possible minor damage	to other spans.	
25X1	COMPENSATIVE ACTION: By-Pass No. 1 - probable serviceal	rock/gravel base; 170'	x 10' (approx.) ford; SW of main bridge;	



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	DDI IMAGERY ANALYSIS STAFF				
-	NAME Ban Lot Hwy. Bridge W over	COUNTRY	COORDINATES		
25X1	Nam Pan		21 12N - 104 06E		
	Bridge No. 5 on NF 48-10	North Vietnam	VJ067445		
5X1		BRIEF NO:			
			PIB 75480		
_	MAP JOG (A) 1501 NF 48-10		February 1967		

LOCATION: O.1 nm E of Ban Lot on Route 6.

DESCRIPTION:

width 90' approx.
Type 10' approx.

Half-through truss

MATERIAL Steel and timber

LENGTH OF EACH SPAN 90' approx.

STATUS:

Timber decking destroyed.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 180' (approx.) ford; 1000' SE of main bridge; serviceable.

By-Pass No. 2 - single span 180' x 15' (approx.) possible cable bridge; 1000' NW of main bridge; decking absent; serviceability undetermined; possible construction material located at western approach to bridge.

25X1

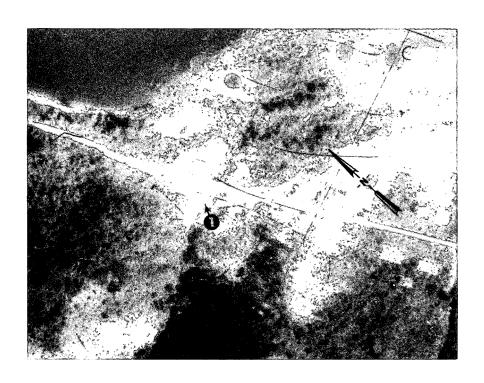


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	DDI IMAGERY ANALYSIS STAFF				
0EV4	NAME Khe Bo Hwy. Bridge S over	COUNTRY	COORDINATES 19 09N - 104 41E		
25X1	stream Bridge No. 21 on NE 48-2	North Vietnam	VG670171		
25X1			PIB 75481		
	LOCATION: 0.6 nm SE of Khe Bo on Rou	ıte 7.	TFebruary 1967		
	DESCRIPTION:				
25X1	width 501 approx.	material Masonry or p	possible concrete		
20/(1	Deck Deck	LENGTH OF EACH SPAN 50	approx.		
25X1	No change				

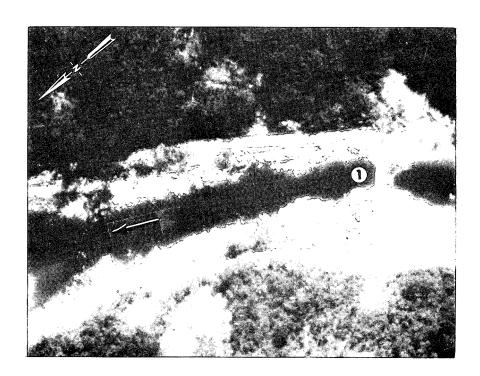
COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 50' x 15' (approx.) ford; probable rock/gravel base; 50' SW of main bridge; serviceable.



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			DDI IMAGERY ANALYSIS STAFF	
-	N AME		COUNTRY	COORDINATES
	Lang Bong Hwy. Bridge			20 16N - 104 57E
_	Bridge	No. 3 on NF 48-14	North Vietnam	VH949407
25X1[BRIEF NO:
, , ,				PIB 75482
-	MAP		3-14	February 1967
	LOCATION:	1.3 nm SW of Lang Bo	ong on Route 127.	
	DESCRIPTIO	N:		
	LENGTH		Comenata	
>//	WIDTH	65' approx.	material Concrete	
25X1	TYPE		LENGTH OF EACH SPAN 651	Ommov.
		Deck		approx.
	STATUS:			
		oan destroyed.		
	-	V		
051/4	COMPENSAT	IVE ACTION:		
25X1	Ву	-Pass No. 1 - 3-span	(approx.) wood deck	-type bridge with
25X1		spa	ns; 550' SE of main bridge; s	



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DDI IMAGERY ANALYSIS STAFF			
N AME	COUNTRY	COORDINATES	
Ban Thong Kham Hwy. Bridge No. 5		17 33N - 105 42E	
Bridge No. 37L on NE 48-11	Laos	WE759420	
		BRIEF NO:	
		PIB 75483	
MAP JOG (A) 1501 NE 48-11		PIB 75483 February 1967	

LOCATION: 1 nm NE of Ban Thong Kham on Route 12.

DESCRIPTION:

25X1

LENGTH 10 approx.
TYPE 5 approx.
Deck-beam

MATERIAL Wood

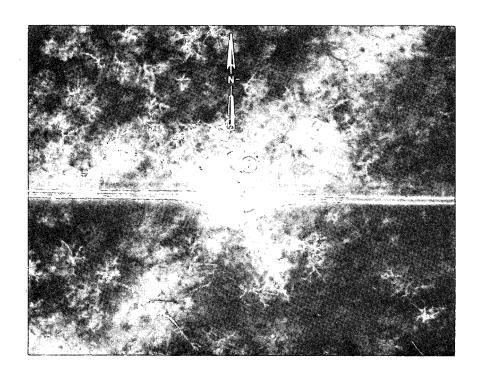
NO. OF SPANS 1
LENGTH OF EACH SPAN 10' approx.

STATUS:

Bridge is probably deteriorated.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 10' (approx.) ford; 20' S of main bridge; serviceable.



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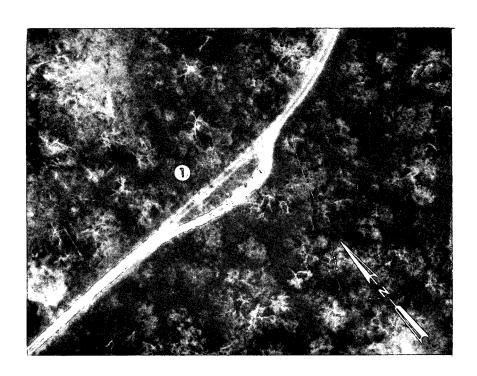
	DDI IMAGERY ANALYSIS STAFF	
NAME	COUNTRY	COORDINATES
Ban Thong Kham Hwy. Bridge Bridge No. 36L on NE 48-11	No. 4 Laos	17 33N - 105 43E WE 750422
	•	BRIEF NO: PIB 75484
MAP JOG (A) 1501 NE 4	8-11	February 1967
LOCATION: 0.8 nm NE of Ban The	ong Kham on Route 12.	
DESCRIPTION:		
LENGTH	material Wood	
WIDTH	NO. OF SPANS]	
TYPE Deck-beam	LENGTH OF EACH SPAN	25
	Ban Thong Kham Hwy. Bridge Bridge No. 36L on NE 48-11 MAP JOG (A) 1501 NE 4 LOCATION: 0.8 nm NE of Ban Th DESCRIPTION: LENGTH WIDTH TYPE	Ban Thong Kham Hwy. Bridge No. 4 Bridge No. 36L on NE 48-11 Laos MAP JOG (A) 150L NE 48-11 LOCATION: O.8 nm NE of Ban Thong Kham on Route 12. DESCRIPTION: LENGTH MATERIAL WOOD NO. OF SPANS 1 LENGTH OF EACH SPAN

STATUS:

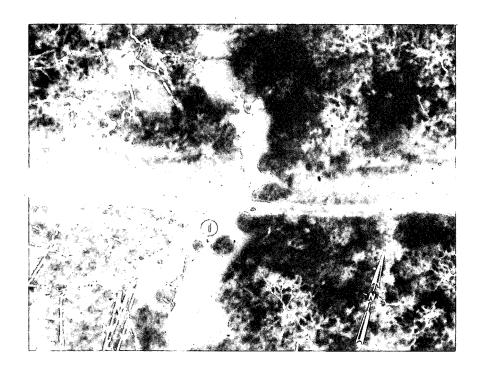
Bridge is deteriorated and is no longer serviceable.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 20' (approx.) ford; 40' S of main bridge; serviceable.



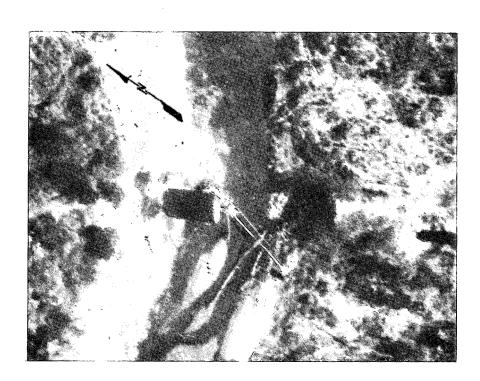
	DDI IM.	AGERY ANALYSIS STAFF		
-	NAME	COUNTRY	COORDINATES	-
_	Ban Thong Kham Hwy. Bridge No. 4 Bridge No. 35L on NE 48-11	Laos	17 33N - 105 42E WE747420	_
25X1	MAP JOG (A) 1501 NE 48-11		BRIEF NO: PIB 75485 February 1967	-
-	LOCATION: 0.6 nm NE of Ban Thong Kh	am on Route 12.	11001 461, 170	-
25X1	DESCRIPTION: LENGTH WIDTH TYPE Deck-beam	MATERIAL WOOD . NO. OF SPANS] LENGTH OF EACH SPAN		25X1
	Bridge has probably deterior	ated.		
25X1	COMPENSATIVE ACTION: By-Pass No. 1 - earth-fill base: 15' S	(approx.) cause	eway with probable log	



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	DDI IMAG	ERY ANALYSIS STAFF		
25X1	NAME Muong Phine Hwy. Bridge over Se Tchoun Bridge No. 23L on NE 48-15	Country Laos	COORDINATES 16 32N - 106 02E XD095275	
25X1	MAP JOG (A) 1501 NE 48-15		BRIEF NO: PIB 75486 February 1967	
25X1	DESCRIPTION: LENGTH WIDTH TYPE Half-through truss		oncrete and steel	25X1
	Superstructure destroyed; one	abutment destroyed.		
	COMPENSATIVE ACTION:			

None



Approved For Release 2000 AFF1 PENTAL PP78T05161A001600080001-4

DDI IMA	GERY ANALYSIS STAFF	
NAME Ban Saloy Hwy. Bridge over	COUNTRY	COORDINATES
Xe Chouan River		16 36N - 106 06E
Bridge No. 21L on NE 48-15	Laos	XD181352
(1)		BRIEF NO:
``		PIB 75487
MAP JOG (A) 1501 NE 48-15		February 1967

LOCATION: 2 nm SE of Ban Saloy on Route 9.

DESCRIPTION:

25X1

WIDTH
TYPE

30' approx.

Deck

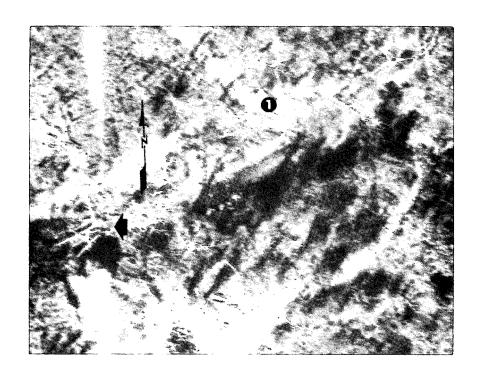
MATERIAL Timber
NO. OF SPANS 2
LENGTH OF EACH SPAN 15' approx.

STATUS:

Bridge completely destroyed.

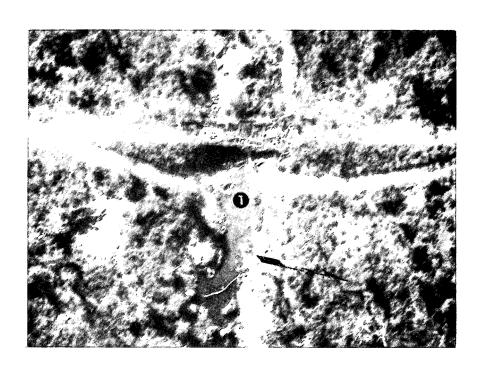
COMPENSATIVE ACTION:

By-Pass No. 1 - natural 30' (approx.) ford; 75' E of main bridge; serviceable.



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_	DDI IMAG	GERY ANALYSIS STAFF		
25X1	Se Tchoun	COUNTRY	16 37N - 106 07E	
25X1	Bridge No. 20L on NE 48-15 MAP JOG (A) 1501 NE 48-15	Laos	XD184376 BRIEF NO: PIB 75488 February 1967	
25X1	DESCRIPTION: LENGTH WIDTH TYPE Deck NE of Ban Saloy on Ro Ro Ro Deck	ute 9. MATERIAL Timber NO. OF SPANS 2 LENGTH OF EACH SPAN		25X1
	Decking destroyed/deteriorate	đ.		
	COMPENSATIVE ACTION: By-Pass No. 1 - natural 15' (approx.) ford; of	'main bridge; serviceable	'•
			25X1	



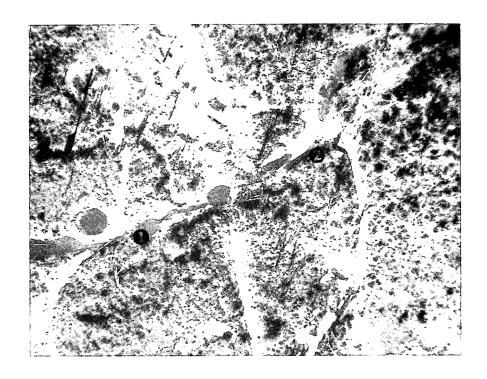
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DDI IMAGERY ANALYSIS STAFF COUNTRY COORDINATES Ban Houei Koui Hwy. Bridge 25X1 16 41N - 106 08E over Houei Koui Bridge No. 19L on NE 48-15 Laos 25X1 PIB 75489 JOG (A) 1501 NE 48-15 February 1967 LOCATION: 0.7 nm SW of Ban Houaykouy on Route 9. DESCRIPTION: LENGTH MATERIAL Steel and wood 15' approx. WIDTH 25X1 LENGTH OF EACH SPAN 15' approx. TYPE Half-through truss probable STATUS: Bridge completely destroyed.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 10' (approx.) ford; 75' W of main bridge; appears abandoned.

By-Pass No. 2 - natural 10' (approx.) ford; 75' E of main bridge; serviceable.



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	DDI IMAGERY ANALYSIS STAFF	
NAME	COUNTRY	COORDINATES
Ban Malua Hwy. Bridge		16 38N - 106 07E
Ban Malua Hwy. Bridge Bridge No. 24L on NE 48-15	Laos	XD187393
(1		BRIEF NO:
		PIB 75490
MAP JOG (A) 1501 NE 48	-15	PIB 75490 February 1967

LOCATION: 2.5 nm ESE of Ban Malua on Route 9.

DESCRIPTION:

25X1

LENGTH 30' approx. WIDTH

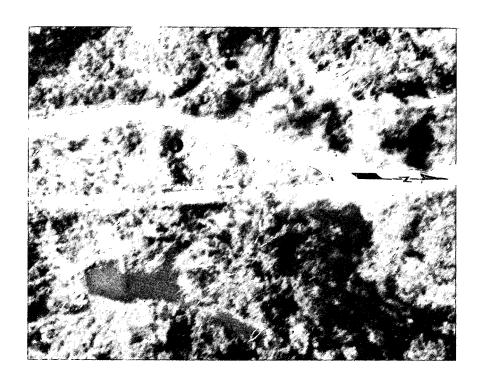
MATERIAL Timber NO. OF SPANS 2 LENGTH OF EACH SPAN 15' approx.

STATUS:

Serviceable.

COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 35' x 10' (approx.) ford; probable rock/gravel base; 20' W of main bridge; serviceable.



Approved For Release 20(2/08/14) ENT-ROP78T05161A001600080001-4

DDI IMAGERY ANALYSIS STAFF				
NAME Ban Kinine Hwy. Bridge S over	COUNTRY	COORDINATES		
stream		16 36N - 106 07E XD186365		
Bridge No. 22L on NE 48-15	Laos	XD186365		
		BRIEF NO:		
		PIB 75491		
MAP JOG (A) 1501 NE 48-15		February 1967		

LOCATION: 2 nm E of Ban Saloy on Route 9.

DESCRIPTION:

25X1

25X1

LENGTH 20' approx.
TYPE 20' approx.
Deck

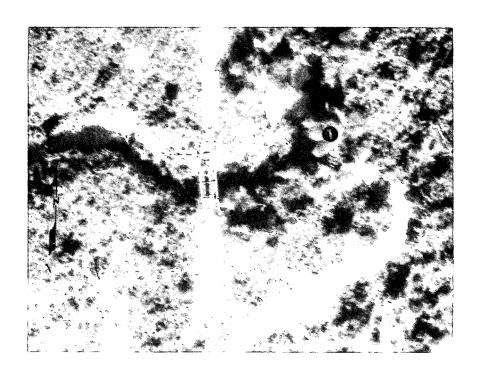
MATERIAL Wood
NO. OF SPANS 1
LENGTH OF EACH SPAN 201 approx.

STATUS:

Decking destroyed/deteriorated.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 15' (approx.) ford; 25' E of main bridge; serviceable.



Approved For Release 2002/08/F2D EMTRAP78T05161A001600080001-4

	DDI IMAGERY ANALYSIS STAFF				
	NAME Mil	ong Hang Hwy. Bridge over	COUNTRY	COORDINATES	
25X1	Nam Han			20 37N - 104 24E	
		No. 3L on NF 48-14	Laos	VH391813	
25X1				BRIEF NO:	
				PIB 75492	
	MAP	JOG (A) 1501 NF 48-14		February 1967	
	LOCATION:	0.2 nm NE of Ban Noua Na o	n Route 6.		
	DESCRIPTIO	N:			
	LENGTH WIDTH Type	50' approx. 10' approx. Deck	material Timber and on No. of Spans 2 LENGTH OF EACH SPAN 25		
25X1	status:	change			
	COMPENSAT	IVE ACTION:			
	Ву	-Pass No. 1 - constructed 60 base; 75' N or	O' x 10' (approx.) ford f main bridge; services	· -	
25X1					



Approved For Release 2002008110 ENA 120 P78T05161A001600080001-4

N AME	COUNTRY	COORDINATES
Ban Pong Dong Hwy. Bridge		17 33N - 105 41E
Bridge No. 32L on NE 48-11	Laos	WE731420
		BRIEF NO:
		PIB 75493
MAP JOG (A) 1501 NE 48-11	<u>L</u>	February 1967
LOCATION: 0.5 nm E of Ban Pong Do	ong on Route 12.	

25X1

LENGTH
WIDTH
TYPE

Deck-beam

MATERIAL WOOD

NO. OF SPANS 1

LENGTH OF EACH SPAN

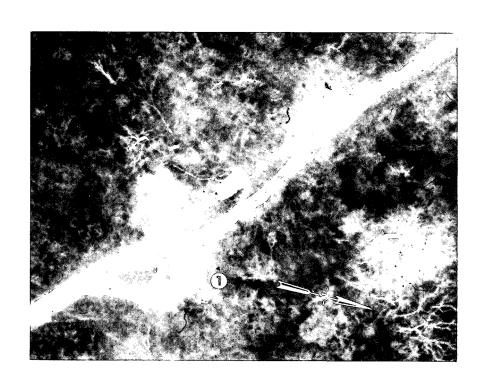
25X1

STATUS:

Bridge has deteriorated.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 10' (approx.) ford; 95' E of main bridge; serviceable.

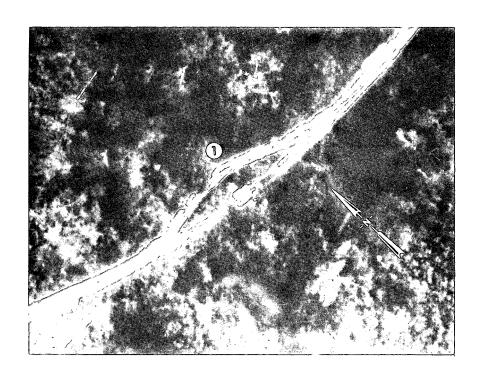


Approved For Release 2002008712 ENTREP78T05161A001600080001-4

	DDI IMAG	GERY ANALYSIS STAFF		_
•	NAME	COUNTRY	COORDINATES	-
	Ban Thong Kham Hwy. Bridge No. 1 Bridge No. 31L on NE 48-11	Laos	17 33N - 105 41E WE733418	
25X1			BRIEF NO: PIB 75494	
_	MAP JOG (A) 1501 NE 48-11		February 1967	
	LOCATION: 0.5 nm N of Ban Thong Kham	on Route 12.		_
	DESCRIPTION:			
25X1	LENGTH WIDTH TYPE	MATERIAL WOOD NO. OF SPANS 1 LENGTH OF EACH SPAN		05V4
	Deck-beam			25X1
	Bridge has deteriorated.			

By-Pass No. 1 - natural 15' (approx.) ford; 25' N of main bridge; serviceable.

COMPENSATIVE ACTION:



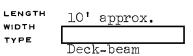
Approved For Release 20(27)8/14DEN4-BDP78T05161A001600080001-4

D	DI IMAGERY ANALYSIS STAFF	
N AME	COUNTRY	COORDINATES
Ban Thong Kham Hwy. Bridge No. Bridge No. 34L on NE 48-11	3 Laos	17 33N - 105 41E WE741417
[1]		BRIEF NO: PIB 75495
MAP JOG (A) 1501 NE 48-1	1	February 1967

LOCATION: 0.5 nm NE of Ban Thong Kham on Route 12.

DESCRIPTION:

25X1



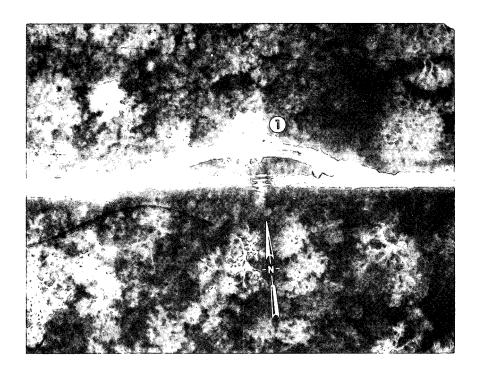
MATERIAL Wood
NO. OF SPANS 1
LENGTH OF EACH SPAN 10' approx.

STATUS:

Bridge has deteriorated.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 15' (approx.) ford; 20' N of main bridge; serviceable.



Approved For Release 200**ይ/ውነና ጋር ዜ ጉ**ር 78T05161A001600080001-4

DDI IM	AGERY ANALYSIS STAFF	
N AME	COUNTRY	COORDINATES
Ban Thong Kham Hwy. Bridge No. 2 Bridge No. 33L on NE 48-11	Laos	17 33N - 105 41E WE738418
X1		BRIEF NO:
		PIB 75496
JOG (A) 1501 NE 48-11		February 1967
LOCATION: OF TOWN IN OF DOWN THE OWNER TO THE		

0.5 nm N of Ban Thong Kham on Route 12.

DESCRIPTION:

25X1

LENGTH 10' approx. WIDTH Deck-beam

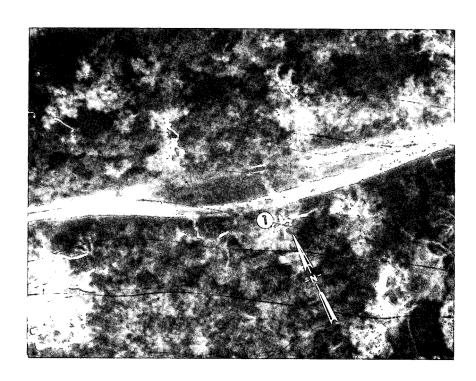
MATERIAL WOOD NO. OF SPANS 1
LENGTH OF EACH SPAN 101 approx.

STATUS:

Bridge has deteriorated.

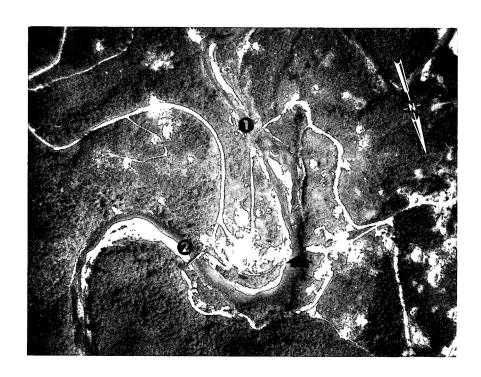
COMPENSATIVE ACTION:

By-Pass No. 1 - natural 15' (approx.) ford; 20' S of main bridge; serviceable.



Approved For Release 2002000 FPD CONTROL 78T05161A001600080001-4

	DDI I	MAGERY ANALYSIS STAFF	•
	NAME Xom Ca Trang Hwv. Bridge ov	er COUNTRY	COORDINATES
25X1	Nam Quat	ļ	17 57N - 105 48E
	Bridge No. 17 on NE 48-11	North Vietnam	WE861859
25X1			BRIEF NO:
			PIB 75497
'	MAP JOG (A) 1501 NE 48-11		February 1967
	LOCATION: 0.8 nm NW of Xom Ca Trar	ng on Route 15.	•
	DESCRIPTION:		
25X1	WIDTH TYPE Deck	material Concrete no. of spans 2 proba LENGTH OF EACH SPAN 9	
25X1	STATUS: No change		
	COMPENSATIVE ACTION:		
	By-Pass No. 1 - constructed base: 500'	l 90' x 10' (approx.) f SE of main bridge; ser	ord; probable rock/gravel
25X1	By-Pass No. 2 - 6-span 70' spans measu serviceable	x 10' (approx.) wood d ring (approx.); 36	eck-type bridge with O' E of main bridge;
25X1			



Approved For Release 2002/08/12 [CHATRO] 78T05161A001600080001-4

	DDI IMAGERY ANALYSIS STAFF		
25X1	NAME Muong Sen Hwy. Bridge over	COUNTRY	COORDINATES
23A I	Nam Mo Bridge No. 24 on NE 48-2	North Vietnam	19 24N - 104 09E VG105451
25X1		1	BRIEF NO:
	MAP JOG (A) 1501 NE 48-2		PIB 75498 February 1967

LOCATION: 0.2 nm W of Muong Sen on Route 7.

DESCRIPTION:

LENGTH
WIDTH
TYPE

180' approx.

10' approx.

Half-through truss probable

MATERIAL Probable steel and concrete
NO. OF SPANS 3

LENGTH OF EACH SPAN 2 @ 40' approx.

1 @ 100' approx.

STATUS:

25X1

3 spans destroyed; 1 pier destroyed; main bridge probably used as aerial cableway - two cables noted.

COMPENSATIVE ACTION:

By-Pass No. 1 - ferry landings located 800' E of main bridge; serviceable; no ferry boat noted; guide wire on upriver side.

By-Pass No. 2 - constructed (approx.) ford; probable log base; l200' E of main bridge; serviceable.



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		DDI IMAGERY ANALYSIS STAFF	
X1	Song Tiem Song No. 17 av No. 17		COORDINATES 18 09N - 105 43E
X1	Bridge No. 11 on NE 48-7	North Vietnam	WF762081 BRIEF NO: PIB 75499
•	LOCATION: 1.3 nm S of Chu Le c	3-7 on the Vinh/Dong Hoi Rail	February 1967 Line.
	DESCRIPTION:	MATERIAL Concret	o and trood
〈 1	WIDTH 125' approx. TYPE Deck		robable
	Bridge remains destroyed approach, two "A" frames are construction is underway adj	set up adjacent to the	norage is U/C on the west bridge site, and unidentified atment.
K 1		y Dong Bai RR. By-Pass E 9-span ble deck-type bridge wit	(approx.) wood and steel 2
	bridge;	repaired and serviceabl	2400' NNW of main 2
〈 1			



