

R E S T R I C T E DHEADQUARTERS
540TH ENGINEER COMBAT GROUP
APO # 758 U.S. ARMYINTELLIGENCE MEMORANDUM NUMBER 5

16 April 1945

ROAD AND BRIDGE RECONNAISSANCE REPORTS

1. In order to standardize road and bridge reconnaissance overlays submitted to this Headquarters, the following procedure will be followed by the Intelligence and Reconnaissance sections of assigned or attached units in making overlays.

2. In making overlays, the following details will be included:

(a) To insure correctness, coordinates will be used to indicate all bridges, overpasses, bottlenecks, and road obstacles.

(b) All bridges will be indicated, and in the initial overlay will show the type, classification, length, width, height above the stream bed, the number of spans, and the condition. Succeeding overlays of the same area, need give only the type, the current classification and condition of bridges previously reported on.

(c) All blown bridges will be shown, giving the length of the gap, height above the stream bed, the condition and width of any existing abutments.

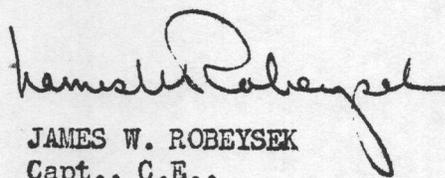
(d) All tactical bridges will be shown giving the type, classification, and the length.

(e) All underpasses will be shown, giving the length, width, condition and the exact clearance.

3. The use of the key system in locating and describing the above mentioned details of the overlay will be used. (See attached overlay and reference key).

4. Classification of roads will be in accordance with Intelligence Memorandum Number 3, Hqs, 540th Engineer Combat Group, dated 3 March 1945. The use of the colon will be used to indicate the extent of a certain road classification. (See attached overlay).

BY ORDER OF LIEUTENANT COLONEL MANNING:



JAMES W. ROBEYSEK
Capt., C.E.,
S - 2.

2 Incl:

Sample Road and Bridge Reconnaissance Overlay
Report of Road and Bridge Reconnaissance

R E S T R I C T E D



C O N F I D E N T I A LHEADQUARTERS
540TH ENGINEER COMBAT GRP.
APO 758 US ARMY.

8 May, 1945

S-2 Journal for April, 1945:

1. LIAISON - Daily liaison with Higher Headquarters was maintained throughout the month by both the S-2 Officer and the Assistant S-2 Officer. Daily trips were made from this Headquarters to VI Corps Headquarters and/or Seventh Army Headquarters for purposes of liaison with both the G-2 and Engineer Sections. The liaison responsibility also was shared to some extent with the S-3 Section, the Section Chiefs cooperating so that no duplicate trips were made when it was not necessary for both sections to be represented at both headquarters.

2. RECONNAISSANCE - Probably the Section's greatest single responsibility during the period covered by this Journal was handling the consolidation of road, bridge, railroad and engineer material reconnaissance reports submitted by the 2832 and 2833 Engineer Combat Bns of the 540th Engineer Combat Group.

This Headquarters consolidates and transmits both daily and weekly road and bridge reconnaissance reports and overlays, together with such other reconnaissance reports submitted.

In addition to the consolidation of the reports, the Section "spot" checks all reports and, on occasion, checks critical points by having one or more members of the Section make personal reconnaissance of the area involved.

During the period, reconnaissance has covered the width of VI Corps, from Seventh Army's rear boundary to division rear boundaries and, on occasion, the reconnaissance was carried into front-line territory.

Handling these reports has largely occupied the time of one officer and from one to three EM. Overlays to accompany the reports have been drafted and reproduced within the section.

-1-

C O N F I D E N T I A LC O N F I D E N T I A L

C O N F I D E N T I A L

(See S-2 Journal Annex No.1 for Sample Weekly Report :
"Road and Bridge Reconnaissance.")

3. PUBLICATION: The "almost daily" publication of the EAGER BEAVER, official newspaper of the 540th Engineer Combat Group, passed during the period from S-2 to I & E and S-3 of Group Hqs.

(See S-2 Journal Annex No.2 for April copies of THE EAGER BEAVER, as published before the change of the paper to the S-3 section.)

4. INTELLIGENCE MEMORANDUM: On 16 April, 1945, Intelligence Memorandum No.5 was issued from this Section to provide Standard Order of Procedure for Road and Bridge Reconnaissance reports. Prime purpose of the Memorandum was to standardize the work and reports of the reconnaissance teams and thus simplify their consolidation and expedite their handling and transmittal to Higher Headquarters.

(See S-2 Journal Annex No.3 : Intelligence Memorandum No.5.)

5. PHOTOGRAPHIC RECONNAISSANCE AND REPORTS: During the period, the S-2 Section photographed bridge jobs in the process of their construction at JAGSTFELD, WALDAU, WESTHEIM, UNTER ROT, NEIDERNDORF, MUNSTER, and OBERSCHEFFLENZ, Germany.

In addition to photographing actual construction, S-2 also made photographic reconnaissance on bridge sites where work was contemplated. This was done to show the condition of civilian bridges which had been blown and which were to be replaced or repaired. Photo work of this nature was done particularly at KUNZELSAU and HOHEBACH, Germany. These pre-construction photo reconnaissance reports were delivered primarily to the S-3 Section which used them in talks with the Engineer, Seventh Army.

Distribution of all photographic reports is made to (1) GO, 540th Engineer Combat Grp., (2) S-3, 540th, and (3) S-2 files, 540th. B Photographic reports on completed bridge jobs also are transmitted to the Engineer, Seventh Army.

C O N F I D E N T I A L

(See S-2 Journal Annex No.4 for "Photo Reconnaissance by 540th Engineer Combat Group."

Written requests are sent through channels by the 2832nd and 2833rd Engineer Combat Bns. for photographs of bridge construction jobs or other work projects involving them.

(See S-2 Journal Annex No.5 "Request for Photography."

5. SITUATION MAPS, BRIEFINGS: The S-2 Section has maintained situation maps covering the European Theatre, western, Seventh Army and VI Corps fronts. These maps are posted regularly and are uncovered in the presence of authorized persons and during briefings for the members of the Group staff.

6. BIVOUACS, ROUTE MARKINGS: The S-2 Section has assisted in the reconnoitering of new bivouac areas to be occupied by the Group hqs. One EM from the section has accompanied the advance party at all times. The same EM has been largely responsible for the posting of route markers when the Group hqs. was moved from one area to another, as well as their removal after a move and the posting of permanent CP directional signs.

7. INTERPRETATION: The section has assisted Group Hqs. on numerous occasions by interpreting for civilians and displaced persons. Identification papers have been verified. Documents have been screened. Information as to the location of Engineer materials has been checked. Reported suspicious persons and circumstances have been investigated. A working knowledge of German, French, Italian and Spanish is possessed by various members of the Section.

J. W. Robeysek
J.W. ROBEISEK, *J. W.*
Capt., C.E.

S-2

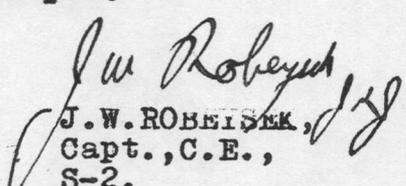
HOUR	ENTRY	SOURCE
1 Apr 45		
0800	Set up locator on 540th units and Engineer units with which operational connections were necessary at the time	
0830	Capt. Robeysek to Corps for Liaison purposes.	
1100	Situation posted; Locator posted.	
1500	Request for German road maps 1:500,000	Qualified Msgr.
1500	Briefed Commanding Officer on VI Corps Situation.	
2 Apr 45		
0800	Capt. Robeysek to Corps for Liaison.	
1030	Designed new 540th Route Marker, subject to approval.	Requested by Col. Manning.
1300	Received report on Enemy ME-110 flying over Heavy Ponton Bridge at WORMS, Germany.	From 2833 Engrs.
1320	Received report on suspected enemy activity in cutting telephone cable in the vicinity of GRUNDSTADT, Germany.	From Signal Sect.
1400	Typed reports of the Enemy plane and of the wire-cutting and dispatched same to Commanding General, Seventh Army, Att: G-2.	
3 Apr 45		
0830	Capt. Robeysek to Corps for Liaison.	
0900	Distributed Road Maps to Group Sections for move to BURSTADT, Germany.	
1300	Left GRUNDSTADT, Germany, for BURSTADT.	
1900	Prepared Road Reconnaissance report on new area.	
4 Apr 45		
0830	Capt. Robeysek to Corps for Liaison.	
1100	Reconnaissance report posted with new data and final draft completed for transmittal to Seventh Army.	
1200	Cpl. Hartman to VI Corps Map Depot.	
1800	Compiled copy for Pictorial report on Rhine river-crossing operation, for Transmittal to Seventh Army, by S-3.	

HOURL	ENTRY	SOURCE
<u>5 Apr 45</u>		
0830	Capt. Robeysek to Corps for Liaison.	
1000	Section moved to new CP in HEIDELBERG, Germany.	
1400	Filled requests for Road maps, and 1:25,000 maps of area.	From Msgrs., From S-3.
<u>6 Apr 45</u>		
0900	Capt. Robeysek to Corps for Liaison. Consolidated Road and Bridge reconnaissance reports and overlays from 2832 and 2833 Engineer Combat Bns.	
1200	Began work of plotting grid coordinate zones on German 1:500,000 map for Commanding Officer.	
<u>7 Apr 45</u>		
0830	Capt. Robeysek to Corps for Liaison.	
0900	Road, Bridge and Railroad Recon reports received; consolidated.	
<u>8 Apr 45</u>		
0830	Capt. Robeysek to Corps.	
1000	Master Recon overlay drafted for daily posting.	
<u>9 Apr 45</u>		
0900	Capt. Robeysek to Corps for Liaison. First reports on rail reconnaissance posted on new master rail recon overlay sheet.	
<u>10 Apr 45</u>		
0830	Capt. Robeysek to Corps for Liaison.	
1000	Material Reconnaissance reports received and consolidated together with road, bridge and rail reports.	
1400	Monthly Journal submitted to S-1	
<u>11 Apr 45</u>		
	Capt. Robeysek to Corps.	
1000	Master list of reconnoitered materials prepared for daily posting.	
<u>12 Apr 45</u>		
0800	Capt. Robeysek and Sgt. Reynolds to Corps.	
1300	Capt. Robeysek to Seventh Army Hqs to check on Recon reports.	

HOUR	ENTRY	SOURCE
1400	New supply of 540th route markers prepared.	
1500	Checked prospective camera equipment for 2832 Engineer Combat Bn.	Requested by Maj. O'Brien.
1500	Lt. Jones designated assistant S-2.	
<u>13 Apr 45</u>	Sgt. Reynolds to Corps.	
0900	Section moves to new CP at AGLASTER-HAUSEN, Germany.	
1100	Lt. Jones reports to section for duty.	
1400	THE EAGER BEAVER, official Group newspaper, transferred from S-2 to I & E, under S-3.	
1800	Sgt. Reynolds to Corps to obtain new Corps, division and Engineer boundaries.	
<u>14 Apr. 45</u>		
0800	Capt. Robeysek to Corps for Liaison.	
0900	Instructed Cpl. Curry of S-3 on EAGER BEAVER publication.	
1200	Cpl. Harman in special trip to Seventh Army headquarters to deliver important overlay of road and bridge reconnaissance.	
1400	Sgt. Reynolds to SINSHEIM, Germany, for bridge pictures.	
<u>15 Apr 45</u>	Capt. Robeysek and Sgt. Reynolds to Corps for liaison.	
0900	Lt. Jones to Seventh Arm Hqs with newest reconnaissance information and overlays.	
1600	Prepared new 1:500,000 Situation map covering the European Theatre of Operations.	
<u>16 Apr 45</u>	Capt. Robeysek and Sgt. Reynolds to Corps for Liaison.	
1100	Delivered River-crossing training pictures to 2833 Engineer Combat Bn.	Requested by Lt. Janacek, S-2.
1200	Begin daily meetings of Group Officers in S-2 Office. Daily situation briefings begun at the same hour by Capt. Robeysek.	
1400		

HOOR	ENTRY	SOURCE
1800	Prepared new SOP on Road Reconnaissance together with instructions for procedure in the preparation of overlays and reports.	
2000	Selected pictures for new Regimental album.	
<u>17 Apr 45</u>		
0800	Capt. Robeysek and Sgt. Reynolds to Corps for liaison.	
1000	Moved section to new CP at NEUNSTADT, Germany.	
1100	Recon reports consolidated.	
1600	Sgt. Reynolds to JAGSTRAED, Germany, for bridge construction pictures.	
1800	Sgt. Reynolds to VI Corps Map depot for maps.	
<u>18 Apr 45</u>		
	Capt. Robeysek and Sgt. Reynolds to Corps for liaison.	
0900	Lt. Jones and Cpl. Hartman to Seventh Army Hqs. with newest recon reports and to check on Army satisfaction over reconnaissance mission.	
1100	Capt. Robeysek and Sgt. Reynolds to WALDAU, Germany, for pictures showing condition of old stone arch bridge, on site where fixed bridge was to be built.	
2400	Pictures, having been processed were delivered as requested.	Requested by S-3
<u>19 Apr 45</u>		
0100	S/Sgt. Katz and T/4 Minkoff injured when Enemy plane, type unknown, strafed CP, firing several rounds into building and injuring these two men, both members of the S-2 staff. Considerable damage also was done by the strafing in the room jointly occupied by S-2 and S-3.	
0800	Capt. Robeysek and Reynolds to Corps.	
1000	Bullets found in rooms after strafing delivered to Corps G-2.	

HOUR	ENTRY	SOURCE
1100	Map Index begun.	
1300	New 1:200,000 situation Map Prepared.	
<u>20 Apr 45</u>		
0800	Capt. Robeysek and Reynolds to Corps.	
1400	M/Sgt. Whitten and S/Sgt. Reynolds to KUNZELSAU and HOMEBACH, Germany, for pictures of bridge sites.	Requested by S-3
<u>21 Apr 45</u>		
0800	Capt. Robeysek to Corps.	
1200	captioned set of photographs for "buck" set to be circulated in Group headquarters.	
1400	Sgt. Reynolds to JAGSTREED for bridge pictures.	
<u>22 Apr 45</u>		
0800	Capt. Robeysek and Sgt. Reynolds to corps.	
1000	Sgt. Reynolds to Army for maps.	
<u>23 Apr 45</u>		
0800	Capt. Robeysek to Corps.	
1000	Map requisition filled	Requested by 2833 Engrs.
1000	Section moves to new CP at WELZHEIM, Germany.	
<u>24 Apr 45</u>		
	Capt. Robeysek and Sgt. Reynolds to Corps.	
1800	reconnaissance of Gaildorf bypass.	
1800	Sgt. Reynolds to WESTHEIM and GAILDORF for bridge pictures.	
1800	Cpl. Hartman to Corps for maps. map requisition filled.	Requested by grp. Requested by 2832 Engrs.
<u>25 Apr 45</u>		
0800	Capt. Robeysek to Corps.	
1400	Sgt. Reynolds to Adelsheim and Gaildorf and Heilbronn for bridge pictures. and road and bridge reconnaissance.	
<u>26 Apr 45</u>		
	Capt. Robeysek to Corps for Briefing. M/Sgt. Whitten comes to S-2 section from S-3, on Temporary Duty basis during the absence of S/Sgt. Katz	

HOOR	ENTRY	SOURCE
1000	Move to new CP at GOEPINGGEN, Germany.	
1600	S-2 Office Trailer Wrecked in Transit. Received assistance from S-3 in setting up office at GOPPINGEN on temporary basis until damaged trailer could be brought in.	
1800	Pictures processed.	
<u>27 Apr 45</u>		
0800	Capt. Robeysek to Corps.	
1000	Lt. Jones, Sgt. Whitten and Cpl. Hartman preparing weekly road recon report and overlay. Cpl. Underwood repairs damaged S-2 Office trailer.	
<u>28 Apr 45</u>		
0830	Capt. Robeysek to Corps.	
1000	Lt. Jones and Cpl. Hartman to Army to check on recon reports. Furnished Maps on request.	From 2833 Engrs.
1500	Report of new enemy mine received 1:250,000 maps furnished on request	From 2833 Engrs.
1600	Maps furnished on request	From S-3
1800	New report on Engineer Materials prepared and dispatched to Seventh Army Hqs.	From 2832 Engrs.
<u>29 Apr 45</u>		
1200	Capt. Robeysek to Corps for Liaison Lt. Jones and Cpl. Hartman to STUTTGART for road and bridge reconnaissance Sgt. Reynolds to WESTHEIM, NEIDERNDORF, MUNSCHER, UNTER MUR, for bridge pictures.	
<u>30 Apr 45</u>		
1500	Capt. Robeysek to Seventh Army. Sgt. Reynolds to Adolzfurt for pictures.	
1500	Draw map supplies for Group from Army Map depot.	
 J.W. ROBEYSEK, Capt., C.E., S-2.		
-6-		

BRIDGE AND A BRIDGE INSPECTION REPORT

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
1	S-284826	Stone	Stone Arch					
2	S-463521	Stone	Stone Arch					70' span
3	S-455586	Underpass						40' clear.
4	S-476788	40/70	Stone					Good
5	S-437062	40	Stone					Good
6	S-425449	40	Stone					Good
7	S-412010	40/70	Stone					Good
8	S-449068	40/70	Reinf. Concrete					Good
9	S-395156	40/70	Reinf. Concrete					Good
10	S-388152	Underpass						12'3" clear.
11	S-336163	40/70	Stone					Good
12	S-328144	40/70	Stone					Good
13	S-289149	40/70	Stone					Good
14	S-264139	40/70	Stone					Good
15	S-256134	40/70	Steel					Good
16	S-254135	40/70	Steel & Concrete					Good
17	S-258135	Underpass						12'3" clear.
18	S-231134	40/70	Stone					Good
19	S-183135	40/70	Stone					Good
20	S-150039	Underpass						12' clear.
21	S-174078	40/70	Stone					Good

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
22	S-144736	40/70	stone					Good
23	S-210970	40/70	stone					Good
24	S-233962	40/70	stone					Good
25	S-140019	40/70	steel					Good
26	S-214988	40/70	stone					Good
27	S-244987	40/70	stone					Good
28	S-160752	Underpass						15' clear.
29	S-164945	Underpass						16' clear.
30	S-187340	40/70	Concrete					Good
31	S-280904	40/70	Timber					Good
32	S-198907	40	stone					Fair
33	S-281904	40/70	Timber					Good
34	S-201906	16/28	steel					Good
35	S-211907	40/70	steel					Excellent
36	S-225937	40/70	two bridges: 1 timber, 1 stone					Good
37	S-286907	40/70	stone					Good
38	S-217909	40/70	Concrete & Steel					Excellent
39	S-258921	40	steel					Fair
40	S-258949	40/70	stone					Good
41	S-276977	40/70	stone					Good

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
42	0-415675	40/70	stone					Good
43	0-418890	40	stone					Good
44	0-418919	40/70	stone					Good
45	0-417068	40/70	Two timber bridges					Good
46	0-419068	Stone	stone					125' span
47	0-450879	40/70	Concrete					Good
48	0-508803	40/70	stone					Good
49	0-419855	40/70	stone					Good
50	0-412779	40/70	Concrete & steel					Excellent
51	0-412777	40	Triple-Double Bailey					Good
52	0-416716	40/70	Concrete					Excellent
53	0-416718	40/70	Concrete					Excellent
54	0-415625	Underpass						16' clear.
55	0-419683	40/70	Timber					Good
56	0-430672	40/70	Fill					Good
57	0-419683	40/70	Timber					Good
58	0-419653	40/70	Reinforced Concrete					Good
59	0-419659	40/70	Concrete					Excellent
60	0-419638	40/70	stone					Excellent
61	0-419632	40/70	stone					Good

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
62	S-378895	SIOWA	stone					
63	S-366377	40/70	stone					Good
64	S-302842	SIOWA	stone					
65	S-302842	SIOWA	stone					
66	S-271826	SIOWA	steel					
67	S-271826	SIOWA	steel					
68	S-261805	SIOWA	stone					
69	S-256802	40/70	stone					Good
70	S-256802	SIOWA	stone					
71	S-241807	SIOWA	stone					
72	S-241808	SIOWA	stone					
73	S-224811	40/70	steel					Good
74	S-214861	40	Concrete					Good
75	S-204811	40/70	stone					Poor
76	S-204828	SIOWA	stone					
77	S-194814	40/70	stone					Good
78	S-191814	SIOWA	stone					
79	S-182817	SIOWA	stone					
80	S-179818	SIOWA	stone					70' abv
81	S-156789	SIOWA	stone					100' abv
82	S-141793	SIOWA	stone					150' abv

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
83	S-118730	Stone	Stone					20' gap
84	S-092817	40	Stone					Good
85	S-095820	40	Stone					Good
86	S-079847	40	Stone					Fair
87	S-111891	40	Stone					Good
88	S-119901	40	Stone					Fair
89	S-119904	40	Stone					Fair
90	S-127921	40/70	Timber					Good
91	S-127943	40/70	Steel					Good
92	S-097970	40/70	Stone					Good
93	S-099843	40/70	Timber					Good
94	S-517250	Underpass						13' clear.
95	S-118870	40	Stone					Fair
96	S-327245	40/70	Stone					Good
97	S-086764	40	Stone					Good
98	S-078756	Stone	Stone					10' gap
99	S-078756	40	Stone					Good
100	S-054719	40/70	Timber					Good
101	S-064715	40/70	Concrete					Good
102	S-078710	40/70	Timber					Good
103	S-078709	40	Triple-Single Bailey					Good

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
104	S-103703	Stone	Stone					15' gap
105	S-157720	40	Timber					Good
106	S-156722	Stone						
107	S-163725	Stone						
108	S-187728	Stone	Stone					10' gap
109	S-086672	40/70	Timber					Good
110	S-115622	Stone	Steel & Concrete					
111	S-104617	Stone	Steel & Concrete					
112	S-145609	Stone	Rein Concrete					
113	S-144597	70	Stone					Excellent
114	S-144574	Stone	Rock					
115	S-140569	Stone	Overpass. Completely blocks road.					
116	S-135553	Stone	Rock					
117	S-132540	Stone	Rock					
118	S-130535	Stone	Rock					
119	S-123526	70	Rock					Good
120	S-122526	Stone	Rock					
121	S-215662	40	Stone					Good
122	S-214669	40	Stone					Good
123	S-309749	Stone						
124	S-309744		By-pass not suitable for traffic.					

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
125	S-065772	Stone	Stone					106' gap
126	S-077571	Stone	Stone (By-pass (21x13))					
127	S-120523	Underpass						15' clear.
128	S-126522	Stone	Concrete					
129	S-120519	4/70	Concrete					Good
130	S-120517	Stone	Concrete					
131	S-120515	Underpass						21' clear.
132	S-153692	Stone	Steel					9' gap
133	S-153625	Underpass						13' clear.
134	S-243522	40	Concrete					Fair
135	S-243513	4/70	Concrete					Good
136	S-243512	40/70	Steel					Good
137	S-270475	40	(2 sections breaking)					
138	S-283463	4/70	Concrete					Fair
139	S-247428	4/70	Stone					Good
140	S-234412	40/70	Concrete					Good
141	S-235413	3 barb casters 300' of road unsafe for traffic.						
142	S-130408	40/70	Concrete					
143	S-232372	Stone	Concrete (By-pass via Bypass)					
144	S-242373	4/70	Concrete					
145	S-163272	40/70	Concrete					

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
146	C-162772	Stone	Concrete					12' gap
147	C-153263	40/70	Concrete					Good
148	C-102232	Underpass						18' clear.
149	C-101341	Underpass						18' clear.
150	C-104230	Underpass						18' clear.
151	C-154172	40/70	Concrete					Good
152	C-439133	Underpass						20' clear.
153	C-197250	Underpass						35' clear.
154	C-187253	40/70	Concrete					Good
155	C-206253	40/70	Concrete					Good
156	C-216256	40/70	Concrete					Good
157	C-310245	15	Concrete (Partially blown and filled)					Fair
158	C-327245	40/70	Stone					Good
159	C-322246	40	Stone					Good
160	C-332259	Stone						
161	C-332259	Stone	Concrete					
162	C-336247	40	Stone					Good
163	C-363245	40/70	Stone					Good
164	C-406235	40/70	Concrete					Good
165	C-416239	40/70	Concrete					Good

Authority NND 735017
 by SN NARA Date 4/12/06

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
166	0-433038	70	Steel Truss					Good
167	0-437259	40/70	Concrete					Good
168	0-439035	30	Steel					Fair
169	0-443240	40/70	Concrete					Good
170	0-450041	40/70	Stone					Good
171	0-455240	40/70	Concrete					Good
172	0-457239	40/70	Stone					Good
173	0-469232	40/70	Steel Truss					Good
174	0-470233	40/70	Concrete					Good
175	0-470233	40/70	Steel					Good
176	0-490233	40/70	Concrete					Good
177	0-490233	Underspan						15' clear.
178	0-519244	40	Stone 1-way					Fair
179	0-516249	40	Concrete					Fair
180	0-517250	Underpass						13' clear.
181	0-430298	40	Concrete					Good
182	0-436301	40/70	Stone					Good
183	0-431305	40/70	Steel					Good
184	0-473306	40/70	Stone					Good
185	0-440408	40/70	Stone					Good
186	0-430408	40/70	Stone					Good

Authority NND 735017
 by SN NARA Date 4/12/06

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
187	S-429408	40/70	Stone					Good
188	S-411417	40/70	Stone					Good
189	S-405438	40/70	Concrete					Good
190	S-437443	40/70	Stone					Good
191	S-432475	40/70	Stone					Good
192	S-413479	40/70	steel & Concrete					Good
193	S-407485	40/70	Stone					Good
194	S-377495	40/70	Stone					Good
195	S-351502	40/70	Stone & Steel					Good
201	S-422500	40/70	Stone					Good
202	S-417509	40/70	Stone					Good
203	S-455089	Underpass						40' clear.
204	S-456595	40/70	Concrete Truss					Good
205	S-456595	40/70	Concrete					Excellent
206	S-449502	40/70	Stone					Good
207	S-449502	40/70	Stone					Good
208	S-441513	40/70	Stone					Good
209	S-463501	Stone	Stone					
210	S-460504	Stone						
211	S-400667	Stone						
212	S-498661	Stone						

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
213	S-403145	Beam						Excellent
214	S-401779	40/70	Steel Truss					Excellent
215	S-403163	40/70	Steel					Good
216	S-404165	40/70	Span					Good
217	S-410152	40/70	Concrete					Good
218	S-401147	40/70	Stone					Good
219	S-402136	40/70	Steel					Good
220	S-406130	14 Span						Fair
221	S-417129	40/70	Steel					Good
222	S-419128	4/70	Steel					Excellent
223	S-441100	40	Concrete					Excellent
224	S-455110	40/70	Concrete					Excellent
225	S-451106	40/70	Concrete					Excellent
226	S-447105	40/70	Concrete					Excellent
227	S-433108	40/70	Concrete					Excellent
228	S-432106	40/70	Concrete					Excellent
229	S-402105	Underpass						27' clear.
230	S-401100	Underpass						19' clear.
231	S-404107	40/70	Concrete					Excellent
232	S-403107	Not built (on autobahn)						

KEY

Road Data:

Section of Road	Condition	Width	Surface	Remarks

Bridge Data:

No.	Location (coordinates)	Class	Type	Total Length	No. of Spans	Width	Ht abv Stream	Condition
233	2-411-10	60/70	Concrete					Good
234	2-405-22	60/70	Concrete					Excellent
235	2-376-33	Blown	Autobahn overpass.					20' gap
236	2-370-36		Large asphaltic blocks road					
237	2-343-56		Underpass					
			Note: 3 spans of asphaltic blown.					
238	2-317-48		Underpass					20' clear.