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Cheng-chou to Lan-chou
Railroad Study

DECLASSIFICATION REVIEW BY NIMA / DoD

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IB - 65/64
31 January 1964
Copy

MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

25X1A ATTENTION : [REDACTED] MS/TR
THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS
FROM : Chief, CIA/PID (NPIC)
SUBJECT : Cheng-chou to Lan-chou Railroad Study
REFERENCES : (1) ORR Requirement No. C-RR3-80,898
(2) CIA/PID Project No. C 1825/63

1. This memorandum is in answer to the above referenced requirement which requested a detailed study of the rail line between Cheng-chou and Lan-chou, Communist China. This study was to include: the number of freight trains; the direction, location and speed of each train; the number and type of cars in each train; and the location and size of all sidings and yards on the line.

2. Continuous photographic coverage of this whole rail line was not available, therefore only that portion which had continuous coverage was studied. [REDACTED] was used to obtain the traffic and yard information from Hsi-an to Ting-hsi. The railroad alignment and yard information from Ting-hsi to Lan-chou were obtained from [REDACTED]

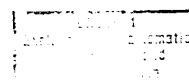
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dated [REDACTED] Enclosed with this memorandum are 12 maps bound in booklet form and two tables. Two of the maps (CIA/PID/IB-P-230/64 and P-231/64) are of a scale of 1:1,000,000. These maps show the general configuration of this railroad and act as an index to the ten large scale maps (CIA/PID/IB-P-188/64 thru P-197/64), which show the railroad in more detail. Table No. 1 gives a description of the yards and sidings and Table No. 2 gives the details on the trains found on this rail line during this study. The same alphabetic-numeric designation used for each train and rail road yard in the tables, has also been used as an annotation on the map for the same item. By this means, the descriptive information in the tables is coordinated to given location on the maps.

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SUBJECT: Cheng-chou to Lan-chou Railroad Study

3. The analyst on this project was [REDACTED] who may be contacted on extension 2546 should you have any questions concerning this memorandum. This is considered a complete answer to the requirement.

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ENCLOSURES:

1 Booklet of Maps (CIA/PID/IB-P-188/64 thru
and P-230/64 thru P231/64)

2 Tables

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LAN-CHOU TO CHENG-CHOU RAILROAD STUDY

TABLE NO. 1 - Description of Yards and Facilities

MAP ANNOTATION	NO. OF TRACKS	APPROX. LENGTH IN METERS	From NSA "Chinese Railway Lines & Stations" 2nd Ed.		REMARKS
			PROB. STATION NAME	DISTANCE FROM LIEN-YUN-KANG (km)	
Y1	-	-	Lan-Chou	1736 km	Service Facilities, Classification Yard, Freight Holding Yard & Freight Unloading Facilities
Y2	8T	900 m	Chiao-Chia-Wan	1731	
Y3	8T	1000 m			
Y4	2T	600 m	Sang-Yuan-Tzu	1722	Poor quality maps precludes and accurate location and description of rail facilities from Sang-Yuan-Tzu to Ch'an-K'ou.
			Lo-T'o-Hsiang	1713	
			Lu-Chia-Ya	1706	
			Hsia-Kuan-Ying	1699	
			Hsu-Chia-T'ai	1693	
			Kan-Ts'ao-Tien	1678	
			Chin-Chia-Chuang	1669	
			Kao-ya	1662	
			Li-Chia-P'ing	1655	
			Hei-Chuang	1647	
			Liang-Chia-P'ing	1640	
Y5	2T	700 m	Ch'an-K'ou	1629	
Y6	8T	900 m	Ting-Hsi	1618	Service Facilities, and Turning Wye

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MAP ANNOTATION	NO. OF TRACKS	APPROX. LENGTH IN METERS	From NSA "Chinese Railway Lines & Stations" 2nd. ed. PROB. STATION NAME	DISTANCE FROM LIEN-YUN-KANG (km)	REMARKS
Y7	2T	NA	Ching-Chia-Tien	1609	
Y8	2T	NA	T'ang-Chia-Pao	1600	
Y9	2T	NA			
Y10	2T	650 m	Han-Shui-Ch'a	1591	
Y11	2T	800 m	Ma-Ho-Chen	1582	
Y12	3T	900 m	T'ung-An-I	1574	
Y13	2T	850 m	Kao-Yang	1567	
Y14	2T	850 m	Ta-Ho-Ch'a	1559	
Y15	2T	800 m	Yun-T'ien-Hsiang	1553	
Y16	2T	600 m	Lung-Hsi-Pei	1542	
Y17		NA	Lung-Hsi	1534	Service Facilities and Turning Wye Large Yard with possibly 2-3 Trains made up in it. Obliquity precludes an accurate description of facilities.
Y18		NA	T'u-Tien-Tzu	1527	Obliquity precludes measurement
Y19		NA	Yuan-Yang-Chen	1514	"
Y20		NA	Ho-Chia-Tien	1504	"
Y21		NA	Wu-Shan	1495	"
Y22	2T	NA	Lo-Men	1484	"
Y23	2T	NA	P'an-An-Chen	1474	"
Y24	2T	700 m	Chu-Yu-Hsiang	1465	
Y25	2T	700 m	Kan-Ku	1455	
Y26	2T	700 m	Wei-Shui-Yu	1446	
Y27	2T	NA	Hsin-Yang-Chen	1433	Obliquity precluded measurement

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MAP ANNOTATION	NO. OF TRACKS	APPROX. LENGTH IN METERS	From NSA "Chinese Railway Lines & Stations" 2nd.ed.		REMARKS
			PROB. STATION NAME	DISTANCE FROM LIEN-YUN-KANG (km)	
Y28	1T	700 m	Wei-Nan-Chen	1422	
Y29	2T	700 m	San-Yang-Ch'uan	1414	
Y30	1T	900 m	Wan-Ho-Ch'uan	1406	
Y31	2T	750 m	Yang-Chia-Ho	1399	
Y32	12T	950 m	T'ien-Shui	1388	Service Facilities and Turning Wye Many Freight Cars in Yard
Y33	2T	800 m	She-T'ang	1380	
Y34	2T	800 m	Po-Yang	1372	
Y35	1T	900 m	Wei-T'an	1364	
Y36	2T	700 m	Yuan-Lung	1358	
Y37	2T	800 m	P'u-T'ao-Yuan	1347	
Y38	2T	800 m	Chien-Ho	1336	
Y39	2T	800 m	Feng-Ko-Ling	1325	
Y40	2T	800 m	T'ao-Shih	1314	
Y41	2T	800 m	Shih-Chia-T'an	1307	
Y42	2T	800 m	Shih-Shu-Lin	1298	
Y43	2T	800 m	Hu-Tien	1290	
Y44	2T	800 m	Tung-Kou	1285	
Y45	2T	800 m	Yen-Chia-Ho	1275	
Y46	2T	800 m	P'ing-T'ou	1263	
Y47	2T	800 m	Ku-Ch'uan	1253	
Y48	2T	1000 m	Lin-Chia-Ts'un	1243	
Y49	2T	800 m	Fu-Lin-Pao	1238	
Y50	8T	1400 m	Pao-Chi	1233	Service Facilities and Turn Table

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MAP ANNOTATION	NO. OF TRACKS	APPROX. LENGTH IN METERS	From NSA "Chinese Railway Lines & Stations" 2nd.ed. PROB. STATION NAME	DISTANCE FROM LIEN-YUN-KANG (km)	REMARKS
Y51	14T	1300 m			Classification Yard East of Pao-Chi
Y52	2T	1000 m	Tou-Chi-T'ai	1228	
Y53	2T	1000 m	Wo-Lung-Szu	1223	
Y54	2T	1100 m	Kuo-Chen	1213	
Y55	1T	1000 m			
Y56	2T	1000 m	Yang-P'ing	1200	
Y57	2T	1000 m	Ts'AI-Chia-P'ao	1190	
Y58	2T	1100 m	Mei-Hsien	1180	
Y59	1T	1000 m			
Y60	2T	1000 m	Ch'ang-Hsing	1167	
Y61	2T	1000 m	Chiang-Chang	1156	
Y62	2T	1000 m	Wu-Kung	1145	
Y63	1T	850 m			
Y64	2T	850 m	P'u-Chi-Chen	1133	
Y65	1	800 m			
Y66	2T	800 m	Ma-Wei-P'ao	1119	
Y67	1T	850 m			
Y68	3T	850 m	Hsing-P'ing	1106	
Y69	2T	1000 m	Mao-Ling	1094	
Y70	1	1000 m			
Y71	8T	1100 m	Hsien-Yang	1083	
Y72			Hsien	1060	Service Facilities and Many Yards

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LAN-CHOU TO CHENG-CHOU RAILROAD STUDY
TABLE NO. 2 - Description of Traffic

MAP ANNOTATION	TYPE	APPROXIMATE NO. OF CARS	SPEED KM/HR	DIRECTION	LOCATION OF CLOSEST RR STAT.	KM FROM LIEN-YUN-KAWG	REMARKS
T1	Freight	20	-	West	T'ang-Chia-Pao	1600	Obliquity precludes measurement of speed.
T2	Passenger	12	38	West	Ta-Ho-Ch'a	1559	
T3	Freight	29	0	East	Ta-Ho-Ch'a	1559	Stopped in Yard
T4	NA	NA	NA	East	Ho-Chia-Tien	1504	Obliquity precludes more detail.
T5	Freight	25	0	West	Wu-Shan	1495	Stopped in Yard
T6	Freight	20		East	Lo-Men	1484	Obliquity precludes measurement of speed
T7	Freight	28		West	Chu-Yu-Hsiang	1465	" " "
T8	Freight	38	36	West	San-Yang-Ch'uan	1414	
T9	Passenger	13	0	East	Tien-Shui	1388	At Station
T10	Passenger	12	35	West	Po-Yang	1372	
T11	Freight	50	0	West	P'u-T'ao-Yuan	1347	Stopped in Yard
T12	Freight	32	54	East	Feng-Ko-Ling	1325	
T13	Freight	32		East	Hu-Tien	1290	Shadows preclude measurement of speed.
T14	Freight	34	0		Yen-Chia-Ho	1275	Stopped in Yard
T15	Freight	55	34	East	Lin-Chia-Ts'un	1243	
T16	Passenger	16	11	East	Mei-Hsien	1180	

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MAP ANNOTATION	TYPE	APPROXIMATE NO. OF CARS	SPEED KM/HR	DIRECTION	LOCATION CLOSEST RR STAT.	KM FROM LIEN-YUN-KAWG	REMARKS
T17	Passenger	13	0	West	Mei-Hsien	1180	
T18	Freight	50	43	East	Chiang-chang	1156	
T19	Freight	46	38	West	Ma-Wei-P'o	1119	
T20	Freight	23	28	West	Mao-Ling	1094	
T21	Freight	12	0	West	Hsien-Yang	1083	
T22	Freight	32	39	West	Hsian	1060	
T23	Freight	29	33	East	Hsian	1060	
T24	Passenger	NA	0	West	Hsian	1060	
T25	Freight	39	0	West	Hsian	1060	
T26	Freight	28	0	East	Hsian	1060	
T27	Freight	45	29	West	Hsian	1060	

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