

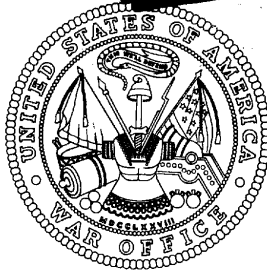
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JOINT PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

RAIL FACILITIES AND TRAFFIC
ON THE BARNAUL-STALINSK SECTION
OF THE SOUTH-SIBERIAN RAILROAD



ARMY



CIA

Declass Review by
NIMA / DoD

HTA/JM-7/58

30 APRIL 1958

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RAIL FACILITIES AND TRAFFIC
ON THE BARNAUL-STALINSK SECTION
OF THE SOUTH-SIBERIAN RAILROAD

This analysis is based upon photography taken [REDACTED]

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[REDACTED] The entire 312-kilometer section of the South-Siberian Railroad from Barnaul to Stalinsk is covered, although a 50-kilometer sector from Alambay to Inchenkovo appears only on the small scale 70 mm tracker photography.

From the eastern end of the railroad bridge which crosses the Ob River at Barnaul to the eastern edge of Chesnokovka the line is double tracked. Between Chesnokovka and Artyshta the line is a single track. Eastward from Artyshta to Stalinsk the main line is double-tracked and electrified. Plate 1 is a map showing alignment of route and location of yards and sidings along the main line between Barnaul and Stalinsk.

Details of rail facilities at Barnaul/Chesnokovka, Prokopyevsk and Stalinsk have been previously presented in HTA memoranda, JM-2-58, JM-4-58, and JM-5-58 and are therefore excluded from this analysis. However, rail traffic in Chesnokovka and Prokopyevsk are included in order to present a total traffic count between the outskirts of Barnaul and Stalinsk, which is tabulated in Tables 1 through 4.

A running description of rail facilities on the main line from Barnaul to Stalinsk follows. Distances are kilometers east from the main passenger station in Barnaul.

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Kilometers from Barnaul	Rail Facilities
0	Barnaul. See HTA/JM-2/58 for details.
11	Raz #17 holding yard, four tracks wide, maximum length 3500 feet. Small station building.
15	Chesnokovka. See HTA/JM-2/58 for details.
27	Fukladochnyy passing siding, maximum length 3000 feet. Small station building.
40	Bezhentsevo passing siding, maximum length 3000 feet. Small station building.
52	Golubtsovo holding yard, three tracks wide, maximum length 3000 feet. Water tower and small station building. Spur (1200 feet) to small storage area with seven storage buildings.
64	Shpagino passing siding, maximum length 1500 feet.
76	Zagonnyy passing siding, maximum length 4500 feet. Small station building. Three spurs (2400 feet each) serving eight small storage buildings.
88	Batunnaya railroad yards and shops, ten tracks wide, maximum length 6000 feet. Station building. Car repair shop, 200 by 150 feet, with four tracks entering. Repair yard, four tracks wide, maximum length 600 feet. Turning wye, usable length 500 feet. Water tower, 25 feet in diameter.

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Kilometers from Barnaul	Rail Facilities(con't)
99	Zarinskaya passing siding, maximum length 3500 feet. Small station building.
123	Smaznevo holding yard, four tracks wide, maximum length 4000 feet. Station building 130 by 65 feet. Water tower 35 feet in diameter.
132	Prokhdnoy passing siding, maximum length 3500 feet. Small station building.
140	Golukha holding yard, three tracks wide, maximum length 4100 feet. Small station building.
152	Anatoliy passing siding, maximum length 3400 feet. Small station building.
164	Tyagun railroad yards, and shops, twelve tracks wide, maximum length 5300 feet. Station building, 115 by 35 feet. Storage building, 200 by 50 feet. Spur line into adjacent lumber mill area. Locomotive repair shop 265 by 100 feet, with wing, 140 by 35 feet, three through tracks. Turntable, 100 feet diameter. Water tower, 35 feet in diameter.
174	Togulenok passing siding, maximum length 3300 feet. Small station building.
186	Alambay holding yard, five tracks wide, maximum length 4300 feet. Small station building. Spur serves adjacent sawmill area.

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Kilometers
from Barnaul

Rail Facilities (con't)

- 196 This portion of main line is covered only by extremely small scale tracker photography. Small holding yards and/or passing sidings were visible at Salairskaya (196 km), Kamennyy Klyuch (206 km), Artyshta I (219 km), Trudoarmeyskaya (222 km) and Tyrgan (230 km), but details of facilities are not discernible.
- 236 Inchenkovo holding yard, four tracks wide, maximum length 3760 feet. Small station building.
- 247 Kalzagay holding yard, twelve tracks wide, maximum length 5100 feet. Small station building. Yard electrified. Spurs to local coal mine.
- 255 Akchurla holding yard, nine tracks wide, maximum length 3800 feet. Small station building. Yard electrified. Spur to local coal mine.
- 264 Cherkasov Kamen holding yard, fourteen tracks, wide maximum length 4100 feet. Small station building. Yard electrified. Spurs to nearby coal mines, industries, and POL storage.
- 273 Prokopyevsk. See HTA/JM-4/58 for details.
- 282 Zenkovo holding yard, seven tracks wide, maximum length 4000 feet. Small station building. Yard electrified. Spurs to nearby coal mines.

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Kilometers
from Barnaul

Rail Facilities (con't)

290	Spichenkovo holding yard, six tracks wide, maximum length 3300 feet. Small station building. Yard electrified. Spurs to nearby coal mines.
296	Kalachevo holding yard, three tracks wide, maximum length 3500 feet.
312	Stalinsk. See HTA/JM-5/58 for details.

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Table 1. Eastbound Trains Outside of Rail Yards on Main Line Between Barnaul and Stalinsk

Km from Barnaul	Speed (km/hr)	Length (feet)	Total Cars	2-Axle Cars	4-Axle Cars	Locomotives
11	standing	2400	57	5 Box	52 Box	1 Steam
13	standing	2200	51	13 Box 8 Tank	16 Box 12 Tank 2 Hopper	1 Steam
14	standing	2500	58	20 Box	38 Box	1 Steam
15	26	2400	55	9 Flat	31 Hopper 15 Flat	1 Steam
45	49	2400	54	11 Gondola	43 Box	1 Diesel/ Electric
91	48	1300	34	8 Box 4 Flat	17 Box 4 Flat 1 Hopper	1 Steam
117	standing	2700	50	-	50 Hopper	1 Steam
133	28	1780	37	-	37 Hopper	1 Steam
225	64	2100	52	2 Flat	33 Box 10 Flat 7 Hopper	2 Electric
275	10	1370	36	6 Box 1 Flat	23 Box 6 Flat	1 Electric
279	14	1760	12	-	12 Passenger	1 Electric
Total Eastbound			496	87	409	12

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Table 2. Westbound Trains Outside of Rail Yards on Main Line Between
 Barnaul and Stalinsk

Km from Barnaul	Speed (km/hr)	Length (feet)	Total Cars	2- Axle Cars	4- Axle Cars	Locomotives
11	8	950	13	-	13 Passenger	1 Steam
29	23	900	14	-	14 Passenger	1 Diesel/ Electric
62	41	2500	52	3 Flat	49 Box	2 Steam
117	41	2700	63	24 Box	24 Box 13 Flat 2 Tank	1 Steam
238	16	2800	73	7 Box	59 Box 7 Tank	1 Electric
264	7	2750	60	-	56 Hopper 4 Box	2 Diesel/ Electric
277	19	1790	14	-	14 Passenger	1 Electric
298	40	2000	<u>46</u>	-	<u>46</u> Box	<u>1</u> Electric
Total Westbound			335	34	301	11

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Table 3. Trains and Lines of Cars in Rail Yard on Main Line Between
 Barnaul and Stalinsk

Station	Length (feet)	Total Cars	2-Axle Cars	4-Axle Cars	Locomotives
Raz #17	650	19	9 Box	9 Box 1 Hopper	None
	750	16	-	16 Box	None
	1500	30	2 Box	28 Box	None
Chesnokovka		835	249 Box 27 Flat 12 Tank 1 Gondola	322 Box 56 Flat 25 Gondola 69 Tank 74 Hopper	8 Steam 1 Diesel/ Electric
Fukladochnyy	2700	57	4 Flat 11 Box	42 Box	1 Steam
Bezhtsevo	2500	51	1 Box	50 Box	1 Diesel/ Electric
Golubtsovo	2200	54	-	54 Box	1 Diesel/ Electric
Zagonnyy	2400	50	-	50 Hopper	2 Diesel/ Electric
Batunnaya	2300	50	-	50 Hopper	None
	2400	62	19 Box	33 Box 10 Hopper	None
	2700	64	3 Flat	35 Box	None

Table 3. Trains and Lines of Cars in Rail Yards on Main Line Between
 Barnaul and Stalinsk (cont'd)

Station	Length (feet)	Total Cars	2-Axle Cars	4-Axle Cars	Locomotives
Batunnaya (con't)			7 Box	17 Hopper 2 Flat	
	800	22	2 Box	10 Box 4 Hopper 6 Flat	None
Golukha	2500	63	15 Box	31 Hopper 17 Box	1 Steam
	2300	50	-	50 Hopper	1 Steam
Tyagun	1900	41	1 Box	40 Box	None
	1850	43	11 Box	28 Box 4 Gondola	None
	2340	53	11 Box 1 Flat	24 Box 1 Tank 9 Gondola 7 Hopper	2 Steam
	2580	60	11 Box 4 Flat	29 Hopper 10 Box 2 Tank 4 Flat	None
	920	20	1 Box	15 Box 3 Hopper 1 Flat	None
	660	16	3 Box 5 Gondola	4 Box 4 Gondola	None
	1240	27	12 Box	11 Box 2 Hopper 2 Flat	None

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Table 3. Trains and Lines of Cars in Rail Yards on Main Line Between
 Barnaul and Stalinsk (cont'd)

Station	Length (feet)	Total Cars	2-Axle Cars	4-Axle Cars	Locomotives
Alambay	2500	57	12 Flat	36 Gondola 9 Flat	1 Steam
	1600	34	-	34 Gondola	1 Steam
Kalzagay	1100	23	-	23 Hopper	1 Electric
	1400	30	-	4 Hopper 26 Hopper	None
	1150	24	-	24 Hopper	None
Akchurla	1600	34	6 Box	9 Tank 12 Box 2 Gondola 5 Hopper	2 Diesel/ Electric
	860	19	1 Box	11 Hopper 3 Gondola 4 Box	None
Cherkasov Kamen	1100	24	1 Box 1 Flat	17 Hopper 1 Tank 4 Box	None
	2500	51	-	51 Hopper	None
	1150	25	2 Flat	5 Tank	None
	1250	25	-	18 Hopper 25 Hopper	None
	2400	49	-	49 Hopper	None
	900	20	3 Box	1 Gondola 16 Hopper	None

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Table 3. Trains and Lines of Cars in Rail Yards on Main Line Between
 Barnaul and Stalinsk (cont'd)

Station	Length (feet)	Total Cars	2-Axle Cars	4-Axle Cars	Locomotives
Prokopyevsk		387	52 Box 30 Flat 8 Gondola 7 Hopper	47 Box 3 Flat 4 Gondola 236 Hopper	2 Electric
Zenkovo	900	26	-	26 Hopper	None
	1000	29	-	29 Hopper	None
	760	19	-	3 Box 16 Hopper	None
	840	22	-	22 Hopper	None
Spichenkovo	1200	25	-	25 Hopper	None
	1500	35	5 Box	30 Box	None
	800	28	18 Box	10 Box	None
Kalachevo	2600	68	28 Box	40 Box	1 Diesel/ Electric
TOTAL		<u>2737</u>	<u>596</u>	<u>2141</u>	<u>16</u>

Table 4. Summary of all Rail Cars on Main Line Between Barnaul and Stalinsk

Yard or Section of Rail Line	Flat Cars		Gondolas		Hoppers		Box Cars		Tank Cars		Passenger Cars		Total
	2-Axle	4-Axle	2-Axle	4-Axle	2-Axle	4-Axle	2-Axle	4-Axle	2-Axle	4-Axle	2-Axle	4-Axle	
Barnaul to Chesnokovka	9	15	-	-	-	34	49	159	8	12	-	13	39
Chesnokovka (Altayskaya) Yards	27	56	1	25	-	74	249	322	12	69	-	-	55
Chesnokovka to Zagonnyy	7	-	11	-	-	50	12	238	-	-	-	14	22
Zagonnyy to Tyagun	7	25	-	-	-	250	75	136	-	2	-	-	55
Tyagun Yard	5	7	5	17	-	41	50	132	-	3	-	-	60
Tyagun to Prokopyevsk	17	19	-	76	-	332	18	116	-	22	-	-	600
Prokopyevsk Yards	30	3	8	4	7	236	52	47	-	-	-	-	387
Prokopyevsk to Stalinsk	1	6	-	-	-	118	57	152	-	-	-	26	360
Totals	103	131	25	122	7	1135	562	1302	20	108	-	53	3568

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REQUIREMENT: This Joint Photographic Intelligence Memorandum has been prepared at HTAUTOMAT by CIA with Army assistance, to satisfy Army requirements and RR/HTA/E/R71 and 72/57 requesting an analysis of the rail traffic and facilities on the Barnaul and Stalinsk section of the South-Siberian Railroad.

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REFERENCES:

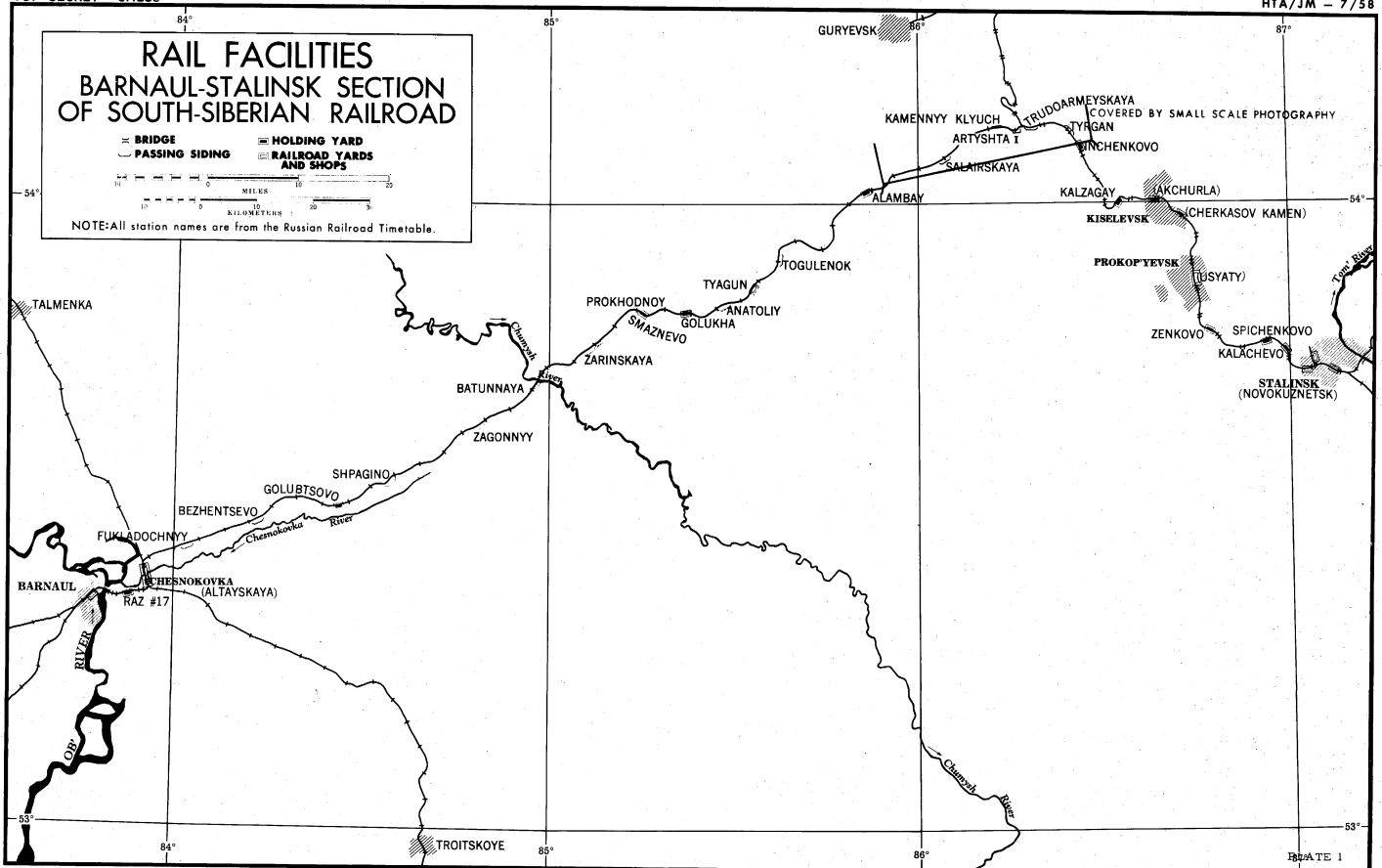
WAC: 161, 162
ATMP: 0161-9993-100A. 1st Ed., Jan 1956
0161-9998-100A. 1st Ed., Jul 1955
0162-9999-100A. 1st Ed., Jul 1951
Other: CIA/CR # 5. USSR Railroad Stations . June 1956

COORDINATES: 53°20'N/83°48'E (Barnaul)
53°45'N/87°07'E (Stalinsk)

B. E. NUMBER: None

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