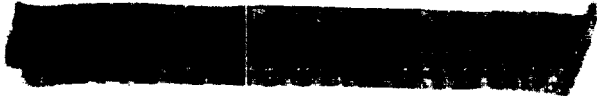


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PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

RAIL TRAFFIC ON THE
OMSK/BARABINSK SECTION
OF THE TRANS-SIBERIAN RAILROAD



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HTA-M52-57

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21 NOVEMBER 1957

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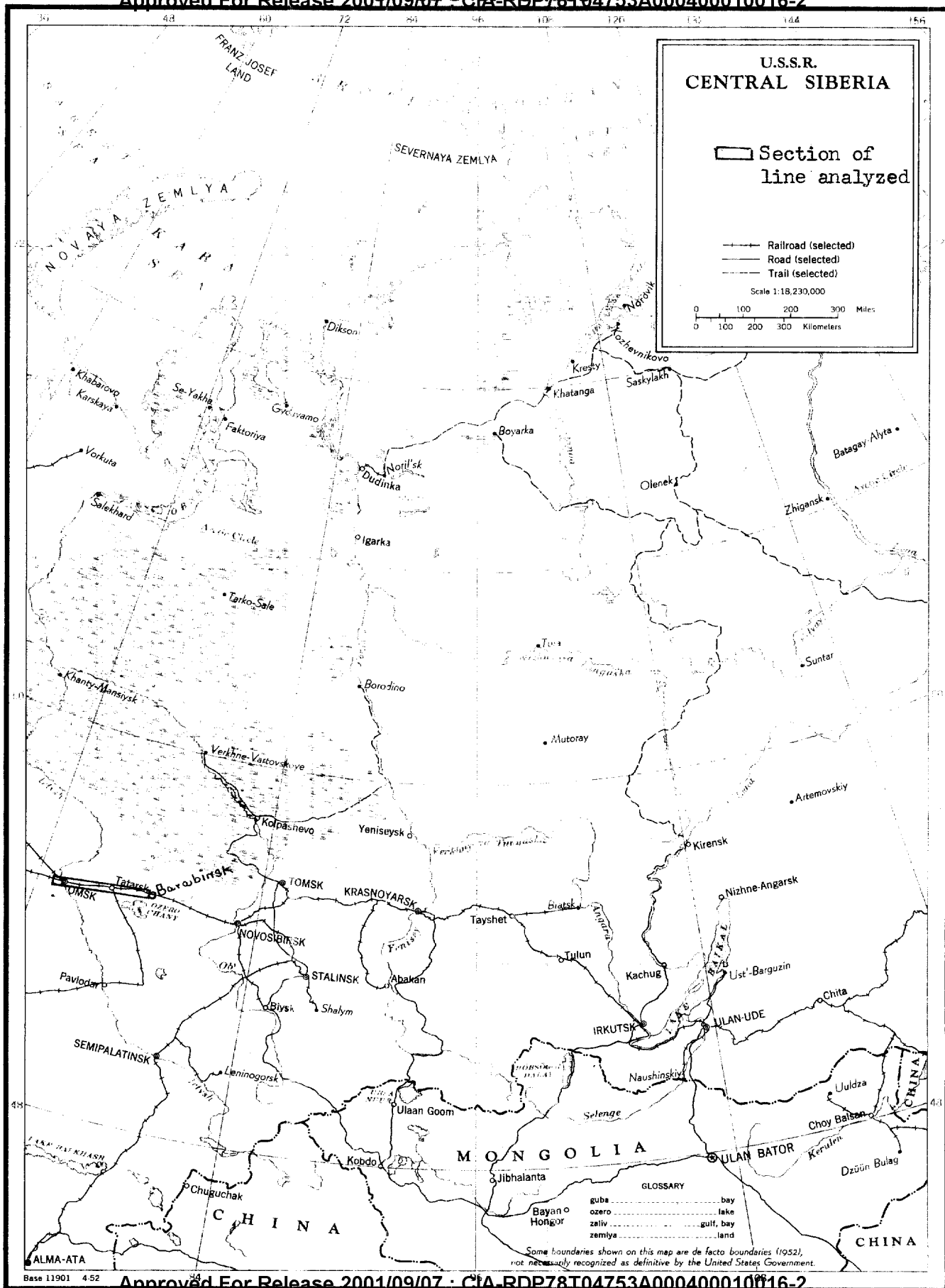
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RAIL TRAFFIC ON THE
OMSK/BARABINSK SECTION
OF THE TRANS-SIBERIAN RAILROAD

HTA/M-52/57

21 November 1957

TOP SECRET CHESS



TOP SECRET CHESS

RAIL TRAFFIC
ON THE OMSK/BARABINSK SECTION
OF THE TRANS-SIBERIAN RAILROAD

25X1D The 321-kilometer double-tracked Omsk/Barabinsk section of the Trans-Siberian railroad was photographed in one continuous flight on [REDACTED] with Civil time.

This memorandum provides an analysis of the rail traffic observed on this road, excluding the trains and lines of cars in the Omsk, Tatarsk, and Barabinsk rail yards, which have been described in HTA Memoranda 44, 45, and 46. However, Table 5 summarizes all rail cars present on this section of the Trans-Siberian railroad, including cars in the above yards.

Whenever possible, the following information has been obtained: location of trains and lines of cars*, speed of trains, length of trains and lines of cars, number and types of cars, and the number of axles. A total of 34 westbound and 38 eastbound trains (See Tables 1, 2, and 3), all of which appeared to be powered by electric engines, and eleven lines of cars (see Table 4), were observed on this section of the rail line.

* "Lines of cars" are strings of cars without an attached engine.

Table 1. Summary of Rail Cars in Trains on the Omsk-Barabinsk Section of the Trans-Siberian Railroad*

| Type | No. of Axles | Westbound | Eastbound | Total |
|-------------------|--------------|--------------|--------------|--------------|
| Hoppers | 4 | 952 | 1,040 | 1,992 |
| Hoppers | 2 | 181 | 50 | 231 |
| | | <u>1,133</u> | <u>1,090</u> | <u>2,223</u> |
| Box Cars | 4 | 266 | 272 | 538 |
| Box Cars | 2 | 35 | 70 | 105 |
| | | <u>301</u> | <u>342</u> | <u>643</u> |
| Gondolas | 4 | 15 | 77 | 92 |
| Gondolas | 2 | 19 | 21 | 40 |
| | | <u>34</u> | <u>98</u> | <u>132</u> |
| Tank Cars | 4 | 111 | 128 | 239 |
| Tank Cars | 2 | 95 | 123 | 218 |
| | | <u>206</u> | <u>251</u> | <u>457</u> |
| Flat Cars | 4 | 2 | 3 | 5 |
| Flat Cars | 2 | 41 | 0 | 41 |
| | | <u>43</u> | <u>3</u> | <u>46</u> |
| Passenger Cars | 4 | 53 | 60 | 113 |
| Passenger Cars | 2 | 0 | 0 | 0 |
| | | <u>53</u> | <u>60</u> | <u>113</u> |
| Unidentified Cars | | <u>0</u> | <u>121</u> | <u>121</u> |
| Total Cars | | <u>1,770</u> | <u>1,965</u> | <u>3,735</u> |

*Includes 30 freight and 4 passenger trains westbound, and 34 freight and 4 passenger trains eastbound. Individual trains are described in Tables 2 and 3. Excludes trains in the Omsk, Tatarsk, and Barabinsk rail yards; also excludes all lines of cars.

Table 2. Description of 38 Eastbound Trains on Omsk-Barabinsk
 Section of Trans-Siberian Railroad

| Kilometers from Omsk | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|-------------------------|------------------------|------------------|---------------------|---|--------------------|
| 12 | 38 | 2700 | 64 | { 61 Tank Cars 3 Hoppers | 4 4 |
| 19 | 38 | 2670 | 63 | { 39 Box Cars 16 Box Cars 8 Hoppers | 4 2 4 |
| 24 | 56 | 2500 | 58 | { 18 Box Cars 21 Hoppers 19 Hoppers | 4 4 2 |
| 30 | Unknown | 2370 | 51 | { 46 Hoppers 5 Hoppers | 4 2 |
| 37 | 38 | 2500 | 57 | { 38 Hoppers 9 Box Cars 10 Gondolas | 4 4 2 |
| 43 | 5 | 2560 | 66 | { 34 Gondolas 21 Tank Cars 7 Box Cars 4 Box Cars | 4 4 4 2 |
| 45 | Halted on siding | 2400 | 51 | Hoppers | 4 |
| 47 | 70 | 1150 | 15 | Passenger | 4 |
| 67 | Halted on siding | 2500 | 58 | Hoppers | 4 |
| 72 | 51 | 2710 | 52 | { 16 Box Cars 25 Hoppers 11 Gondolas | 4 4 2 |

(continued)

Table 2. Description of 38 Eastbound Trains (continued)

| Kilometers from Omsk | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|----------------------|---------------------|---------------|------------------|--|-----------------------|
| 78 | 21 | 2620 | 57 | Hoppers | 4 |
| 80 | Unknown | 2140 | 49 | Box Cars | 4 |
| 83 | Unknown | 2500 | 60 | Unknown | Unknown |
| 86 | 48 | 1720 | 42 | { 17 Hoppers 13 Box Cars 12 Tank Cars | 4 4 4 |
| 92 | 50 | 2550 | 54 | Hoppers | 4 |
| 97 | 54 | 2360 | 58 | { 20 Box Cars 7 Box Cars 10 Tank Cars 3 Flat Cars 18 Hoppers | 4 2 4 4 4 |
| 102 | 56 | 2670 | 56 | Hoppers | 4 |
| 114 | 62 | 1150 | 14 | Passenger | 4 |
| 119 | Halted on siding | 2670 | 57 | Hoppers | 4 |
| 119 | Halted on siding | 2340 | 50 | Hoppers | 4 |
| 125 | 46 | 2640 | 57 | Hoppers | 4 |
| 136 | 5 | 1100 | 14 | Passenger | 4 |
| 160 | 40 | 2600 | 59 | Hoppers | 4 |

(continued)

Table 2. Description of 38 Eastbound Trains (continued)

| Kilometers from Omsk | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|----------------------|---------------------|---------------|------------------|--|-----------------|
| 163 | 24 | 1810 | 39 | { 31 Hoppers 7 Tank Cars 1 Box Cars | 4 4 4 |
| 166 | 16 | 2610 | 57 | Hoppers | 4 |
| 190 | 51 | 2310 | 53 | { 41 Gondolas 12 Hoppers | 4 4 |
| 212 | 63 | 1300 | 17 | Passenger | 4 |
| 218 | 13 | 2670 | 61 | Unknown | Unknown |
| 221 | 55 | 1820 | 45 | { 35 Hoppers 10 Hoppers | 4 2 |
| 234 | 54 | 2600 | 55 | Hoppers | 4 |
| 240 | 30 | 2730 | 72 | { 39 Tank Cars 20 Box Cars 13 Box Cars | 2 4 2 |
| 242 | Halted on siding | 2600 | 43 | Box Cars | 4 |
| 265 | 58 | 2420 | 65 | { 56 Tank Cars 7 Hoppers 2 Gondolas | 2 4 4 |
| 270 | 59 | 2550 | 65 | { 30 Box Cars 28 Tank Cars 7 Hoppers | 2 2 4 |

(continued)

Table 2. Description of 38 Eastbound Trains (continued)

| Kilometers from Omsk | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|-------------------------|------------------------|------------------|---------------------|---|--------------------|
| 285 | 57 | 2700 | 67 | { 19 Hoppers 16 Hoppers 15 Box Cars 17 Tank Cars | 4 2 4 4 |
| 300 | Halted on main line | 2600 | 56 | Hoppers | 4 |
| 312 | Unknown | 2200 | 48 | Hoppers | 4 |
| 317 | Unknown | 2700 | 60 | { 22 Box Cars 38 Hoppers | 4 4 |
| Total | | | 1965 | | |

Table 3. Description of Westbound Trains (continued)

| Kilometers to Omak | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|--------------------|---------------------|---------------|------------------|--|-----------------------|
| 111 | 45 | 2340 | 50 | Hoppers | 4 |
| 119 | Halted on siding | 2570 | 63 | { 41 Hoppers 14 Tank Cars 8 Box Cars | 4 4 4 |
| 119 | 11 | 2550 | 60 | { 31 Hoppers 19 Tank Cars 10 Box Cars | 4 4 4 |
| 127 | 38 | 2670 | 67 | Tank Cars | 2 |
| 137 | 41 | 2300 | 51 | { 49 Hoppers 2 Gondolas | 4 4 |
| 145 | 48 | 2700 | 63 | { 27 Box Cars 12 Hoppers 4 Tank Cars 20 Flat Cars | 4 4 4 2 |
| 150 | 48 | 1450 | 17 | Passenger | 4 |
| 171 | 43 | 2500 | 60 | { 19 Hoppers 25 Box Cars 15 Tank Cars 1 Flat Cars | 4 4 4 4 |
| 174 | 53 | 2700 | 76 | { 43 Hoppers 21 Box Cars 9 Gondolas 1 Flat Car 2 Tank Cars | 4 4 2 4 4 |

(continued)

Table 3. Description of 34 Westbound Trains (continued)

| Kilometers to Omsk | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|--------------------|---------------------|---------------|------------------|---|------------------|
| 187 | 27 | 2350 | 55 | { 48 Hoppers 7 Hoppers | 4 2 |
| 191 | Halted on main line | 2650 | 54 | { 31 Box Cars 15 Hoppers 5 Box Cars 3 Gondolas | 4 4 2 4 |
| 219 | Halted on main line | 2700 | 75 | { 49 Hoppers 19 Hoppers 7 Tank Cars | 2 4 4 |
| 234 | Halted on main line | 1950 | 47 | { 24 Hoppers 10 Hoppers 13 Tank Cars | 4 2 4 |
| 239 | 30 | 1220 | 15 | Passenger | 4 |
| 241 | 35 | 2700 | 63 | { 22 Hoppers 19 Hoppers 22 Tank Cars | 4 2 4 |
| 242 | 13 | 2650 | 61 | { 27 Hoppers 15 Hoppers 19 Box Cars | 2 4 4 |
| 242 | Halted on siding | 2450 | 55 | { 45 Hoppers 10 Hoppers | 4 2 |
| 252 | Unknown | 2430 | 57 | Hoppers | 4 |
| 266 | 35 | 2550 | 61 | { 43 Box Cars 9 Hoppers 9 Hoppers | 4 4 2 |

(continued)

Table 3. Description of 34 Westbound Trains (continued)

| Kilometers to Omsk | Speed in Kilometers | Length (feet) | Approx. No. Cars | Type of Cars | Number of Axles |
|--------------------|---------------------|---------------|------------------|--|-----------------|
| 270 | 17 | 2350 | 52 | Hoppers | 4 |
| 273 | Halted on main line | 2720 | 65 | { 30 Box Cars 28 Tank Cars 7 Hoppers | 2 2 4 |
| 276 | 7 | 1300 | 23 | Box Cars | 4 |
| 313 | Unknown | 2700 | 60 | { 34 Hoppers 26 Box Cars | 4 4 |
| 320 | Unknown | 2600 | <u>55</u> | Hoppers | 4 |
| Total | | | 1770 | | |

Table 4. Description of Lines of Cars on the Omsk-Barabinsk
 Section of Trans-Siberian Railroad*

| Location of Yard | Length (feet) | Number of Cars | Type of Cars | 2-Axle | 4-Axle |
|---------------------|------------------|-------------------|-----------------|------------|--------|
| Kormilovka | 2500 | 61 | Hoppers | --- | 61 |
| | 1820 | 28 | Box Cars | --- | 28 |
| | 1820 | 28 | Box Cars | --- | 28 |
| | 1600 | 22 | Box Cars | --- | 22 |
| | 2850 | 64 | Box Cars | --- | 64 |
| Kalchinskaya | 2350 | 57 | { 41 Hoppers | --- | 41 |
| | 1300 | 33 | { 16 Tank Cars | --- | 16 |
| | 1900 | 47 | { 22 Box Cars | --- | 22 |
| | | | { 18 Box Cars | 18 | --- |
| | | | { 7 Tank Cars | 7 | --- |
| Koloniya | 2300 | 53 | Hoppers | --- | 53 |
| Koshkul | 450 | 12 | Hoppers | 12 | --- |
| Tebisskaya | 2200 | <u>44</u> | Hoppers | --- | 44 |
| Total | | 449 | { Hoppers | 12 | 199 |
| | | | { Box Cars | 18 | 164 |
| | | | { Tank Cars | 7 | 49 |
| | | | <u>37</u> | <u>412</u> | |

*Excludes lines of cars in the Omsk, Tatarsk, and Barabinsk Rail Yards.

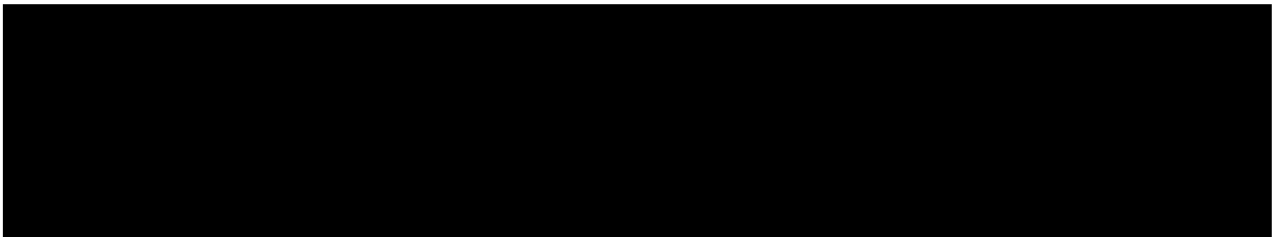
Table 5. Summary of All Rail Cars (in both trains and lines of cars) on the Omsk-Barabinsk Section of the Trans-Siberian Railroad, Including Those in the Omsk, Tatarsk, and Barabinsk Rail Yards

| Type and Location | 2-Axle | 4-Axle | Total |
|-----------------------|---------------|---------------|---------------|
| Hoppers | | | |
| Main Line | 243 | 2,191 | 2,434 |
| Omsk Rail Yards | 528 | 1,890 | 2,418 |
| Tatarsk Rail Yards | 1 | 177 | 178 |
| Barabinsk Rail Yards | 0 | 178 | 178 |
| Total | 772 | 4,436 | 5,208 |
| Box Cars | | | |
| Main Line | 123 | 702 | 825 |
| Omsk Rail Yards | 131 | 254 | 385 |
| Tatarsk Rail Yards | 196 | 390 | 586 |
| Barabinsk Rail Yards | 178 | 401 | 579 |
| Total | 628 | 1,747 | 2,375 |
| Gondolas | | | |
| Main Line | 40 | 92 | 132 |
| Omsk Rail Yards | 47 | 440 | 487 |
| Tatarsk Rail Yards | 1 | 5 | 6 |
| Barabinsk Rail Yards | 0 | 28 | 28 |
| Total | 88 | 565 | 653 |
| Tank Cars | | | |
| Main Line | 225 | 288 | 513 |
| Omsk Rail Yards | 18 | 371 | 389 |
| Tatarsk Rail Yards | 29 | 336 | 365 |
| Barabinsk Rail Yards | 13 | 44 | 57 |
| Total | 285 | 1,039 | 1,324 |
| Flat Cars | | | |
| Main Line | 41 | 5 | 46 |
| Omsk Rail Yards | 23 | 149 | 172 |
| Tatarsk Rail Yards | 15 | 44 | 59 |
| Barabinsk Rail Yards | 37 | 43 | 80 |
| Total | 116 | 241 | 357 |
| Passenger Cars | | | |
| Main Line | 0 | 113 | 113 |
| Omsk Rail Yards | 0 | 45 | 45 |
| Total | 0 | 158 | 158 |
| Unidentified | 0 | 0 | 121 |
| GRAND TOTAL | 1,889* | 8,186* | 10,196 |

*Do not total across because of 121 unidentified cars

REQUIREMENT: Prepared in answer to RR/HTA/E/R36/57
requesting a description of rail traffic on the Omsk/Barabinsk
section of the Trans-Siberian railroad.

25X1D



REFERENCE:

WAC 162 & 163, 3rd. Ed., Sept 1954

Coordinates:

Omsk - 55°00'N/73°23'E
Barabinsk - 55°22'N/78°22'E

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