

## TIME/SPEED STUDIES INSTRUCTIONS

- (1) Private railroad car companies must file time/speed studies with the Department of Revenue once every three years if they want the Department to use mileage rates higher than those specified in the Department's rules and regulations. All studies completed in 2017 and prior years have expired.
- (2) Time/speed studies must contain the information specified in these instructions in the format presented in the following example. Reports must conform to these requirements to receive consideration.
- (3) The Department may request companies to provide supporting documentation for their studies. Companies do not need to include any supporting documentation with this report (**except as specified in item (6)(c), below**); however, they should be prepared to submit appropriate supporting documentation upon request.
- (4) Time/speed studies must follow the format detailed in the following instructions and shown in the accompanying example.
- (5) The report format requires the presentation of the following information:
  - (a) Car identification information - car mark and car number
  - (b) Departure location, **outside Wyoming**
  - (c) Departure date
  - (d) Departure time, using the 24-hour clock format (i.e., 3:00 pm should be reported as 1500)
  - (e) Arrival location, **also outside Wyoming**
  - (f) Arrival date
  - (g) Arrival time, as above
  - (h) Elapsed time, in hours - **computed to two decimal places**
  - (i) Trip miles between the departure location and the arrival location
  - (j) Computation of average daily speed, as follows:
    - i. Total elapsed time, in hours, for all cars
    - ii. Total trip miles for all cars
    - iii. Average speed (miles per hour) = Total trip miles for all cars divided by total elapsed time, in hours, for all cars
    - iv. Average miles per day = Average miles per hour multiplied by 24, **rounded to the nearest whole number**
- (6) Special matters:
  - (a) Companies must use a **statistically valid sample** of car activity for the month of **April 2020**, as the selected month for their studies.
  - (b) Companies must submit a separate study for each car type for which it wants the Department to use something other than the default speed. For example, if a company has both tank cars and hopper cars, it must submit a study for its tank cars and a study for its hopper cars to establish speeds for each car type. (Note: The Department treats all hopper cars as one type, regardless of whether they are covered or open.) If, for some reason, the company only does a study of one car type, the Department will use the default speed for other car types in the company's fleet. The Department will not accept studies which have a mixture of car types.
  - (c) Companies should review the movements of cars in their studies. If a car is parked (idle) between the timing points, but **outside** the State of Wyoming, the company may use either of two options. It may exclude the car from the study and replace it with another (to maintain the statistical validity of the sample size), or it may adjust the trip time by the amount of the idle time **outside** the State. **The company must provide a list of all cars excluded or adjusted, together with appropriate documentation to support the adjustment or justify the exclusion.**

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- (d) The Department uses the following default speeds when the railcar company does not provide a time/speed study. If a company's study results in a speed slower than the default, the Department will use the default. Thus, the company does not need to submit a study.

### Default Rates:

Car Type	Miles per day
Flat	200
Gondola	300
Hoppers, Open and Closed	300
Special	200
Refrigerator	500
Stock	200
Box	200
Tank	200
Miscellaneous (MW, N, P)	200

## TIME/SPEED STUDIES EXAMPLE

Car Mark	Car Number	Departure			Arrival			Elapsed Time	Trip Miles
		Location	Date	Time	Location	Date	Time		
JEPX	12345	Huntley, MT	11/11/2012	1947	Denver, CO	11/7/2012	2350	28.05	636
JEPX	23456	Edgemont, SD	11/10/2012	0040	Huntley, MT	11/10/2012	1646	16.10	352
JEPX	34567	Huntley, MT	11/20/2012	1716	Edgemont, SD	11/21/2012	0410	10.90	352
JEPX	45678	Denver, CO	11/7/2012	1340	Laurel, MT	11/8/2012	1545	26.08	651
JEPX	67890	Denver, CO	11/5/2012	0600	Salt Lake City, UT	11/11/32012	0050	18.83	610
JEPX	78901	Pocatello, ID	11/4/2012	1315	No. Platte, NE	11/5/2012	0805	18.83	773
JEPX	89012	No. Platte, NE	11/3/2012	0800	Salt Lake City, UT	11/5/2012	0111	41.18	740
JEPX	90123	Ogden, UT	11/11/2010	1025	Denver, CO	11/18/2012	1634	54.15	574
<b>TOTALS</b>								<b>856.48</b>	<b>15,236</b>
<b>AVERAGE SPEED (mph)</b>								<b>17.79</b>	
<b>AVERAGE MILES PER DAY</b>								<b>427</b>	