

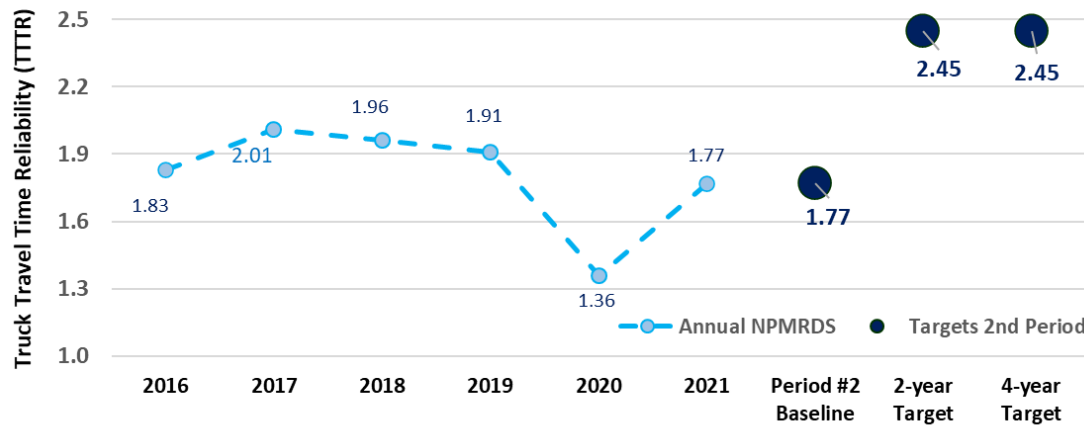
# Transportation Performance Measure (PM 3) : Travel Time Reliability Measures – Truck Level of Travel Time Reliability (TTTR)

**Measure:** The sum of maximum TTTR for each reporting segment, divided by the total miles of Interstate system ONLY. Reporting is divided into five periods: morning peak (6-10 a.m.), midday (10 a.m.-4 p.m.) and afternoon peak (4-8 p.m.) Mondays through Fridays; weekends (6 a.m.-8 p.m.); and overnights for all days (8 p.m.-6 a.m.). The TTTR ratio is generated by dividing the 95<sup>th</sup> percentile time by the normal time (50<sup>th</sup> percentile) for each segment. The measure is based on the worst performing time period for each segment, averaged together to create a single figure

Illustration of Truck Reliability Determination

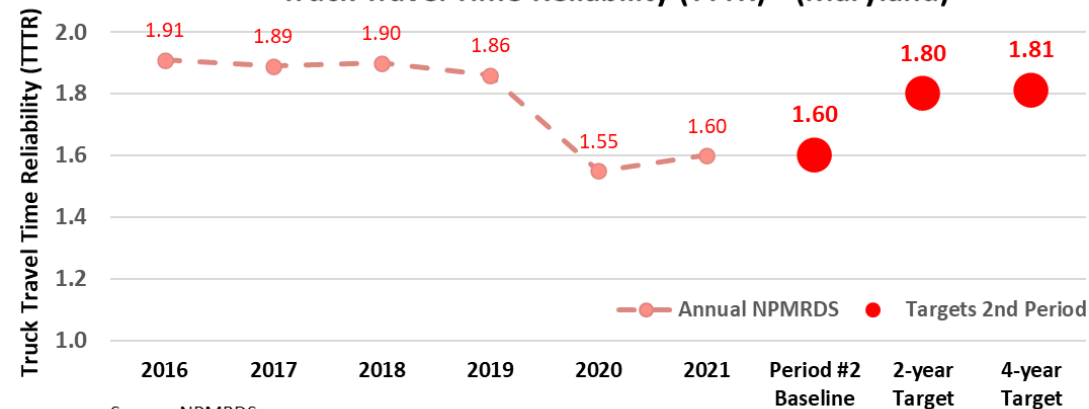
Monday – Friday	6 – 10 a.m.	$TTTR = \frac{63 \text{ sec}}{42 \text{ sec}} = 1.50$
	10 a.m. – 4 p.m.	$TTTR = \frac{62 \text{ sec}}{45 \text{ sec}} = 1.38$
	4 – 8 p.m.	$TTTR = \frac{85 \text{ sec}}{50 \text{ sec}} = 1.70$
Weekends	6 a.m. – 8 p.m.	$TTTR = \frac{52 \text{ sec}}{40 \text{ sec}} = 1.30$
Overnight	8 p.m. – 6 a.m.	$TTTR = \frac{46 \text{ sec}}{38 \text{ sec}} = 1.21$
Maximum TTTR		<b>1.70</b>

Truck Travel Time Reliability (TTTR) - (Delaware)



Source: NPMRDS

Truck Travel Time Reliability (TTTR) - (Maryland)



Source: NPMRDS