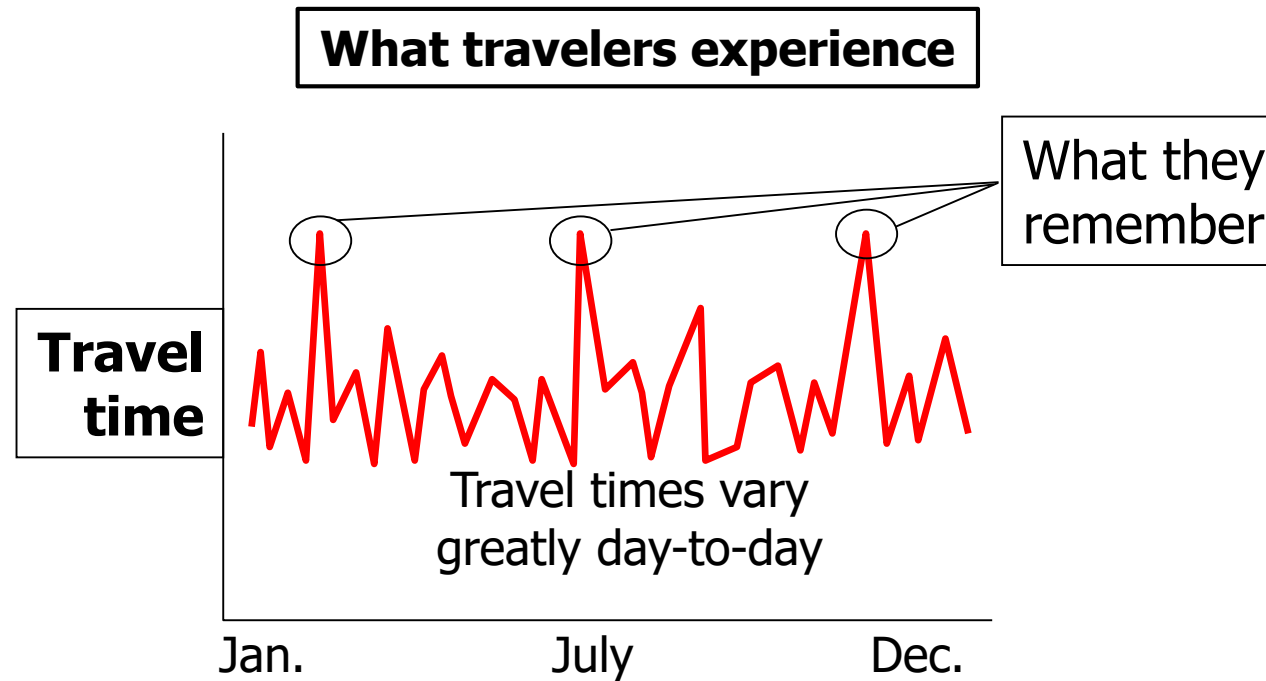




MODULE 5: TSMO to Improve Reliability

What is Reliability?

- **Reliability:** Consistency or dependability in travel times, as measured from day to day or across different times of day.



Why is Travel Time Reliability Important?

- Understandable to the public
- Public has less tolerance for unexpected delay
- Unreliable travel has costs for users
 - Lost productivity, late/early freight arrivals, economic competitiveness
- Valued service in other utilities & industries
- Useful in investment decision-making process to reflect beneficial operations strategies
- Can be treated effectively by addressing roadway “events”
- Affects safety and mobility



How do we improve Reliability?

- **Improving Reliability:** Reducing congestion and creating more predictable travel times by:
 - Operating the system to maximize performance
 - Managing the occurrence and effects of non-recurring events
 - Monitoring performance to understand and improve operations



Example TSMO Strategies to Improve Reliability

- Work Zone Management
- Traffic Incident Management
- Special Event Management
- Road Weather Management
- Transit Management
- Freight Management
- Traffic Signal Coordination
- Traveler Information
- Ramp Management
- Managed Lanes
- Active Traffic Management
- Integrated Corridor Management

