# Electronic Ticketing NJSP-19-05B

***Drafter’s Note: This provision shall be used only with approval from the Construction and Materials Division – Central Office.***

1. **Description.** The Contractor shall provide and utilize a fleet tracking system for all hot mix asphalt (HMA) delivered to the project in order to monitor, track and report loads of HMA during the construction process from the asphalt plant to the point of incorporation into the project. The system shall allow for real-time monitoring by the engineer via a mobile device application and web (laptop/desktop). Paper tickets, as specified in Section 404, shall also be required as they will be used for verification purposes during this pilot evaluation of Electronic Ticketing.
2. **Fleet Tracking Equipment.** Prior to HMA placement activities, the Contractor shall submit to the Engineer for approval a fleet tracking system that meets the requirements specified herein. The Contractor or its fleet tracking vendor shall provide a qualified representative for technical assistance during the initial setup, pre-construction verifications and production. The fleet tracking equipment/software shall:
3. Be capable of tracking location of dump vehicles and the asphalt paver.
4. Be fully integrated with the Contractor’s load read-out scale system at the HMA plant site
5. Be installed and operated in accordance with the manufacturer’s specifications.

**3.0 Electronic Ticket Information.** The following information shall be recorded as an Electronic Ticket for each load of HMA material:

* 1. Unique load number
  2. Daily Project Load number
  3. Batch time
  4. Cycle start date and time (arrival at source)
  5. Truck License Plate number
  6. MoDOT Mix ID
  7. MoDOT Job number, Route, County
  8. Vehicle Tare Weight (tons)
  9. Net Weight of Material (tons)
  10. Vehicle Gross Weight (tons)
  11. Destination Zone Name
  12. Time to Destination
  13. Time at Destination
  14. Remarks by Contractor and MoDOT Inspector

**4.0 Geographic Zones.** A document shall be submitted prior to beginning work which defines the limits of the Destination and Source Geographic Zones.

**5.0 Data Reporting.** The load specific information in Section 3, a Daily Summary Report and the raw data shall be posted to the MoDOT-provided SharePoint site within 24 hours of the end of the shift for each day of production. The Daily Summary Report shall include a list of all loads delivered to the project, the total tonnage delivered, the total tonnage rejected or wasted, and the net tonnage placed. The report shall include a verification statement acknowledging the accuracy of the report information and shall be digitally signed by an authorized representative of the Contractor. The raw data shall also be posted within 24 hours in .csv or excel format. The data columns shall be in the order listed above with each load in sequential rows.

**6.0 Basis of Payment.** Payment for compliance with this provision will be made at the contract unit price for Item No. 109-99.01, Misc. Electronic Ticketing, per lump sum. No additional payment will be made for the equipment, software, training, analysis, or any other incidentals necessary to complete the work.