

STATEOFTENNESSEE

October 19, 2020

January 1, 2021

SPECIAL PROVISION**REGARDING****ELECTRONIC TICKET DELIVERY SYSTEM****FOR ASPHALT****Description**

This work shall consist of the use of an Electronic Ticket Delivery System (e-ticketing) for certified weights of asphalt mixtures delivered to the project site. Using an automated real time process with no direct personnel interaction necessary, the e-ticketing system shall monitor and report the point of loading at the asphalt plant and the transfer point into the paving train at the project site.

Construction Requirements

Provide electronic Certified Public Weigher e-tickets for each load of asphalt mixtures that are delivered to the project. E-tickets shall be automatically generated using a combined software and hardware fleet management system or an e-ticketing delivery system. Fully integrate the e-ticketing system with the load read out scale system used to weigh the mixture being delivered.

The system shall be capable of maintaining the data offline due to loss of power or connectivity.

Provide real time continuous ticketing system access to the Department for the duration of the project using a web based application. E-ticketing delivery system shall be identified and access granted after an agreement has been reached between the Contractor and Department to allow the e-ticketing delivery system chosen. Provide on-site technical assistance as needed during the project to operate the system. Do not deliver any mixture to the project that will use the e-ticketing system before an agreement has been reached.

The e-ticketing system shall allow individual certified e-tickets and generate daily summary sheets to be exported as PDF files by the Department. The system shall be designed so data inputs from scales cannot be altered by either the Contractor or the Department. The Department shall have the ability to make notes on each e-ticket for documentation of tests, comments or rejection of load. At the end of each asphalt paving placement shift, generate a shift summary sheet of the e-tickets and make available for the Engineer within 24 hours of the shift ending. The e-tickets shift summary sheet shall list all the required information in tabular form and be

signed by a Certified Public Weigher. Any loads in excess of the legal weight limit shall be rejected and no payment will be issued.

The certified e-tickets for asphalt mixtures shall be accessible real time at any point during or after placement of the mixture. The certified e-tickets and shift summary sheets shall include the following:

1. Mixture Type, Item Description
2. TDOT Mix design number
3. Project Number, County, Route
4. Date
5. Ticket number
6. Gross weight of the loaded truck
7. Tare weight of the truck
8. Net weight of the mixture to be paid
9. Running Daily Total for the particular mixture
10. Truck number
11. Truck Legal limit
12. Time Loaded
13. Time offloaded (detected at placement site)
14. Engineer Comments (if applicable)

Method of Measurement

Utilize an electronic ticket delivery system (e-ticketing) for asphalt as specified. If any e-tickets or the shift summary sheets are not available for the Engineer, payment may be withheld for the items of work on the monthly estimate.

Basis of Payment

The Department will not directly pay for the electronic ticket delivery system (e-ticketing) separately. The contract unit prices for the asphalt mixtures that e-tickets are required to be used shall be full compensation for all activities, including materials, equipment, labor, and any incidentals to complete the work as specified.