



WisDOT e-Ticketing

Pilot 2022

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FHWA Innovation Every Day Counts (EDC-6)

Providing all stakeholders with an electronic means to produce, transmit, and share materials data and track and verify materials deliveries enhances safety, streamlines inspections, and improves contract administration processing. Using electronic ticket exchanges enables access via mobile devices and simplifies handling and integration of material data into construction management systems for acceptance, payment, and source documentation.



FHWA Innovation Every Day Counts (EDC-6)

Benefits

- Safety
- Time Saving
- Quality

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_6/eticketing.cfm



What is paperless?

	Paper	Paperless	Electronic	Digital
Information	Handwritten, Printed	Image	Data	Object
	<i>Physical Cabinets</i>	<i>.pdf, .bmp</i>	<i>.dxf, csv</i>	<i>model, services</i>
Workflow	Organic	Implied	Explicit	Seamless
	<i>Learned</i>	<i>email inbox</i>	<i>documented, semi-automated, Semi-measured</i>	<i>automated, Notifications, Performance mgmt</i>
Integration	None	Shared	Interoperable	Integrated
	<i>printed & filled-out forms, snail or inter-d mail</i>	<i>email a roadway design pdf</i>	<i>dxf emailed from consultant to DOT and back again</i>	<i>same model accessed, reviewed, marked up by all parties, auto-push of model data to traffic/maint. operations sys.</i>



WisDOT e-Ticketing Partnerships and Outreach

- Met with Industry groups
- Peer exchanges with IA, UT, AL, MN
- Viewed demos of e-Ticketing software
- Attend AASHTO Materials Management Delivery Systems Group
- 2021 piloted e-Ticketing - NE region



WisDOT preliminary requirements

Electronic Load Tickets

- Electronic load tickets may be provided as a substitute for printed tickets. Include the information as specified in 109.1.4.2 on each electronic ticket.
- Automatically generate electronic tickets using a system that is fully integrated with the load-out scale system being used to weigh the material. Ensure data input cannot be altered and provide offline capabilities to prevent data loss.
- Provide electronic tickets in real-time by allowing the department access to the tickets utilizing a web-based or app-based system compatible with iOS and Android.
- Provide the capability to record information and comments on each ticket.
- For each project ID and bid item, submit an electronic daily summary of the individual tickets daily as work is completed. In the daily summary, include the unique information for each individual load ticket. Provide the daily summary data in an importable format, such as comma separated values (.csv).



What to expect

2022

- Piloting about dozen projects this year
- Projects must be approved by WisDOT
- WisDOT to continue to work with AASHTO Materials Management Delivery System group
 - Define source data requirements

2023?



Thank you!

Questions, Comments, Thoughts, Feedback?

