



STATE OF TENNESSEE
Department of Transportation

**REQUEST FOR INFORMATION
FOR
Barcode Scanning for:
Mobile Assets, Sensitive Items, and Consumable Inventory**

RFI # 40100-26800
January 29, 2021

1. STATEMENT OF PURPOSE:

The State of Tennessee, Department of Transportation (TDOT), issues this Request for Information ("RFI") for the purpose of identifying basic options available concerning managing the Department's Assets and Consumable Inventory via a barcode scanning solution. TDOT would also like to understand the current market options that could be efficiently implemented on this scale. TDOT expects that a more specific RFI will be issued in the future, if a decision is made to pursue a solution addressing this need. For that reason, we are not currently looking to entertain demonstrations for specific functionality. This RFI is to assist in identifying relevant suppliers in the market and potential cost ranges. We appreciate your input and participation in this process.

2. BACKGROUND:

TDOT operates a fleet of heavy and lightweight equipment statewide, with stockrooms at each garage that maintain a wide array of, both, safety equipment and automotive parts and supplies. Currently, the management of all items referenced is manually entered and managed, either in spreadsheets or in the State's ERP systems referenced in this paragraph. Across the Department of Transportation, there are eighteen (18) District Garages, four (4) Region Garages and seven (7) Highway Marking stockrooms. Across all of the garages and highway marking stockrooms, TDOT has roughly 20,000 items (11,000 assets, 5,500 sensitive, and 3,100 consumable inventory items). These items are spread throughout the 95 counties and not always sitting in one of the garages or stockrooms. Currently, all of the department's inventory is tracked manually through paper processes and input into our existing ERP system called Edison, which is an Oracle/Peoplesoft platform.

3. Glossary:

- 3.1. Assets – Items exceeding \$5,000 in purchase cost with a useful life greater than one year. Examples include mobile equipment, attachments to mobile equipment, garage fixtures; automotive lifts, air compressors, tire changers and balancers.

- 3.2. Sensitive Items – Items costing less than \$5,000 that the Department maintains a record of in order to safeguard them from theft or loss. Examples include chainsaws, weed trimmers, cameras and hand tools etc.
- 3.3. Consumable Inventory Items - Products and supplies that wear out, require regular replacement or are otherwise consumed in the repair and maintenance of vehicles and roads. Examples include Safety equipment; flagging vests, hard hats, gloves, safety glasses. automotive parts; tires, filters, wiper blades, fuses and supplies; drill bits, files, log chain, load binders, salt spreader parts. Signage; roadway signs and materials to manufacture signs.

4. COMMUNICATIONS:

- 4.1. Please submit your response to this RFI to:
 Gregg Bennett, Transportation Program Supervisor
 Procurement and Contracts Division
 J.K. Polk Bldg. 505 Deaderick Street
 Nashville, TN 37243P
 615-741-9125
- 4.2. Please reference RFI # 40100-26800 with all communications to this RFI.

5. RFI SCHEDULE OF EVENTS:

EVENT		TIME (Central Time Zone)	DATE (all dates are State business days)
1.	RFI Issued		1/29/21
2.	RFI Response Deadline	2:00 PM	2/19/21

6. GENERAL INFORMATION:

- 6.1. Please note that responding to this RFI is not a prerequisite for responding to any future solicitations related to this project and a response to this RFI will not create any contract rights. Responses to this RFI will become property of the State.

6.2. The information gathered during this RFI is part of an ongoing procurement. In order to prevent an unfair advantage among potential respondents, the RFI responses will not be available until after the completion of evaluation of any responses, proposals, or bids resulting from a Request for Qualifications, Request for Proposals, Invitation to Bid or other procurement method. In the event that the state chooses not to go further in the procurement process and responses are never evaluated, the responses to the procurement including the responses to the RFI, will be considered confidential by the State.

6.3. The State will not pay for any costs associated with responding to this RFI.

7. INFORMATIONAL FORMS:

The State is requesting the following information from all interested parties. Please fill out the following forms:

RFI # 40100-26800
TECHNICAL INFORMATIONAL FORM

1. RESPONDENT LEGAL ENTITY NAME: Tennessee Department of Transportation
2. RESPONDENT CONTACT PERSON: Gregg Bennett, Transportation Program Supervisor J.K. Polk Bldg. 505 Deaderick Street Nashville, TN 37243 615-741-9125 Gregg.Bennett@tn.gov
3. Please provide a brief description of experience providing a similar scope or service/products.
4. Several items already have an existing barcode. Can your solution read existing barcodes? If so, to what extent? Example) Can it read any existing barcode sticker or just specific stickers?
5. Several items the department wants to track with a barcode scanner do not have a sticker to scan. Please explain how your solution can assist in addressing these items.
6. Can your solution read a vehicle manufacturer's barcode in the door jamb or through the windshield on a dashboard?
7. Please explain how items can be tied to or grouped with one another, if possible, or alternative workarounds for addressing. Example) A truck and snowplow are recognized as two separate items but can be used in conjunction.
8. Assuming items can be grouped together, please describe how one can reassign an item. Example) The truck may no longer need the snowplow so it can be removed.
9. Please describe in detail the reporting functionality associated with your barcode scanning solution.
10. After scanning a barcode, does your solution allow for additional custom fields to be addressed via manual input?
11. For barcodes that are associated with items that experience much wear and tear, please explain how your company addresses these items with your solution.
12. If the barcode is damaged, what workarounds exist to ensure these items are addressed accordingly within the system?
13. Please explain the company's experience integrating their solution with existing software. The State uses Oracle PeopleSoft (Edison) ERP system.
14. Please describe the training efforts that would help the department in using your barcode scanners and the overall solution.
15. Please explain what security measures can be put in place for usage of the barcode scanner.

16. Can your barcode scanners or solution have approvals and/or notifications associated with specific types of scans?
17. Describe the tracking capabilities associated with your solution. Example) location, date, and time associated with the item scanned
18. What types of barcode scanners does your company offer?

COST INFORMATIONAL FORM
1. Describe what pricing units you typically utilize for similar services or goods (e.g., per hour, each, etc.):
2. Describe the typical price range for similar services or goods

ADDITIONAL CONSIDERATIONS
1. Please provide input on alternative approaches or additional things to consider that might benefit the State: