

# Driving inefficiencies out of ground transportation through information

TransCore is proud of more than 62 years of experience in the transportation business. We have achieved our position as industry leader by providing our customers with proven systems that minimize investment risk. TransCore is the largest and most experienced company **dedicated** to transportation systems in the United States. TransCore has more than 80 locations in the United States and more than 1,700 employees. We have achieved our success by working closely with our customers to ensure that expectations are met or exceeded.

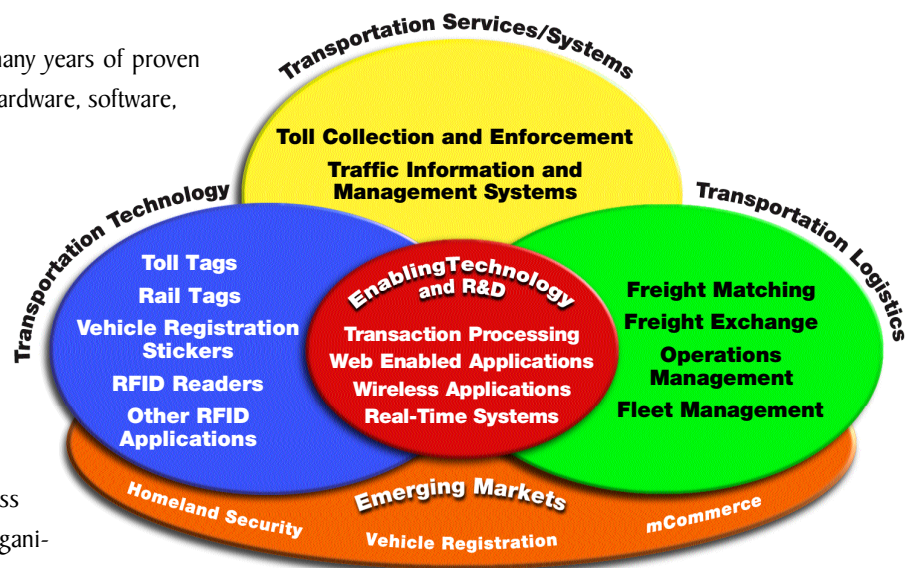
TransCore's toll solutions are backed by many years of proven toll industry experience using established hardware, software, services, and personnel.

TransCore offers toll systems, maintenance, and long-term support, using the most advanced equipment and software, delivered by a team of people and a company with the experience needed to complete the job successfully.

Our track record includes the delivery of proven and robust technologies, business processes, and an efficient and functional organizational design, all of which are critical elements for

the success of any project. TransCore is proud of its collective

work for numerous authorities and companies around the world on transportation projects, where we have consistently produced positive results. TransCore is known for its dedication to quality, customer service, and of course, leading edge toll systems.



## TOLL SERVICES CAPABILITIES

### Systems Engineering

Systems engineering is the fundamental discipline that addresses issues of overall system design and configuration, component selection, make-or-buy decisions, value engineering analysis, and cost-point evaluations and comparisons. The traditional systems engineering challenge has been to integrate domain expertise (e.g. toll collection systems) with technical expertise in hardware, software, and electronics to produce systems that succeed, not just as engineering exercises, but also in the real world of extensive (and sometimes conflicting) requirements for competitive pricing, low total cost of ownership, rich functionality, high performance, ease of use, reliability, and maintainability. TransCore's solution to this challenge has been to use small teams of highly experienced, multi-talented engineers to perform the systems engineering function.

### Systems Integration

TransCore is a systems integrator. TransCore purchases hardware components and generic software platform components (such as operating systems and relational database management systems) from various sources and integrates those components into a smoothly functioning total system. TransCore adds value primarily through the specialized systems software and applications software that it develops and supplies and through the extensive expertise it brings to its projects.

### ***Software Development Integration and Maintenance***

TransCore has a large staff of software developers located in various Technology Delivery Centers throughout the United States, including centers in Clifton, NJ, and Harrisburg, PA. TransCore has learned from experience that where software development methodology is concerned, one size does not fit all projects. TransCore developers have extensive experience with all of the major software development methodologies, including the traditional “waterfall” method, various types of Rapid Application Development methods, software prototyping, object-oriented programming, structured programming, state machine development, etc.

### ***Toll System Maintenance***

Throughout its 60+ year corporate history, TransCore has specialized in total systems maintenance of toll collection, data communications, and intelligent transportation systems. TransCore holds a unique position in this regard – our competitors originally developed many of the systems that TransCore maintains and enhances. TransCore provides a full range of maintenance services, delivered by over 400 field technicians, for both hardware and software components. For hardware, these services include predictive maintenance, preventive maintenance, repair (both field repair and depot repair), failure analysis, and field engineering services. For software, TransCore provides the full range of traditional maintenance services. These include corrective maintenance (bug repair), adaptive maintenance (enhancements), and perfective maintenance (re-engineering and re-implementation to improve performance or maintainability).

### ***Third-Party Systems Support***

Maintenance of third-party software is a special capability. There are very few organizations that possess the domain expertise, technical expertise, business motivation, and patience required to achieve total mastery of a complex system controlled by third-party software. TransCore does. We specialize in providing the complete spectrum of software maintenance services for both internally developed software and for third-party software. This includes situations where original source code is unavailable but there are no other intellectual property rights barriers. In these cases, TransCore can provide reverse-engineering services to derive source code from executable code, then document the derived code to the extent required to place that code under TransCore maintenance management control.

### ***Toll Industry Experience***

TransCore’s position as the most experienced, full-service solutions provider and operator of toll collection systems has been earned through our more than 60-year commitment to the industry. Our experience covers the toll collection spectrum and includes design, integration, installation, operations, and maintenance of small and large toll systems. From simple cash-only systems to high-speed, open road electronic toll collections systems, TransCore has the systems, personnel, and experience to successfully complete the job and the commitment to maintain the system into the future.

***TransCore pioneered  
toll collection hardware  
and applications,  
and we remain the only  
major systems integrator  
dedicated to the  
transportation market.***



**For more information, call:** 1.800.923.4824 or 972.387.8197, or fax 972.733.6486.

[www.transcore.com](http://www.transcore.com)