

ITS Projects

Project Name	Project Status	Timeframe	Project Description
TARC Dixie BRT	Planned	Short	This project will develop new stops, with signage, transit signal priority, and kiosks at major stations.
Louisville Metro Fiber Upgrade	Planned	Short	This project will install new, upgraded fiber to connect additional CCTV and signals in the Louisville metro area.
Louisville Metro Controller Replacement	Planned	Short	This project aims to replace outdated and/or broken controller units with new ones in the Louisville metro area.
Louisville Metro and WAZE Coordination	Planned	Short	The objective of this project is to provide seamless real-time and historic data exchange between Louisville Metro and WAZE, the world's largest community based traffic and navigation application. This data can then be used for traffic counts and also fo
Louisville Metro Adaptive Signal System	Existing	Short	This project allows signal timing optimization based on live traffic demands. In addition, this project will use video to analyze traffic flow at intersections and adjust timing based on historical data obtained by the video. This video can also be util
Louisville Metro Enhanced Data Collection Capabilities	Planned	Long	This project will enhance Louisville Metro's data collection capabilities, which would incorporate data collection from city, state, and counties as well as third party data vendors.
Louisville Metro Vehicle Detection Upgrade	Planned	Short	This project aims to replace induction loop detectors with new forms of detection technology.
Louisville Metro Arterial Technology Expansion	Planned	Short	This project will add new cameras and dynamic message signs along the Louisville arterials.
Louisville Metro Connected Vehicle Applications	Planned	Long	This project will install CV applications along the Louisville arterial network.
Louisville Metro BikeShare	Existing	Long	This project develops a bikeshare capability allowing users to pickup and dropoff bicycles at a series of bike stands.
INDOT Variable Speed Sign Upgrade	Planned	Long	This project will introduce variable speed limit signs to Indiana arterials in order to manage and control the flow of traffic.
INDOT ITS Field Device Replacement	Planned	Long	This project will replace old, damaged CCTVs, DMS, and sensors with new ones.
INDOT Signal Interconnect Upgrade	Planned	Long	This project will add new additional interconnects, to and from traffic signal controllers, along the Indiana roadways.
INDOT I-64 ITS Expansion	Existing	Long	This project will expand the ITS devices along Interstate 64 west of Georgetown, Indiana.
INDOT ITS Field Device Expansion	Planned	Short	This project will increase the number of ITS devices on the Indiana roadway, such as CCTVs, DMS, and sensors.
INDOT Signal Modernization	Planned	Long	This project plans to maximize the use of existing traffic signals by (1) increasing communications from the TMC to the signals, either through an improved wireless network or through fiber and by (2) optimizing signal timing in relation to the new downto
INDOT Connected Vehicle Applications	Planned	Long	This project aims to implement a current smartphone application, which uses 3rd party probe data in order to detect queues - within police, maintenance, and emergency vehicles on the Indiana roadways.
INDOT Travel Time DMS Expansion	Planned	Long	This project aims to add DMS showing travel times and alternate routes available, based on demand, within the Southern tier of Indiana.

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KYTC/INDOT RiverLink Tolling	Planned	Short	The new tolling system is in effect in each direction, to/from Kentucky and to/from Indiana. Toll rates depend on the size of the vehicle, determined by the number of axles and the height of the vehicle. Drivers with transponders and prepaid RiverLink acc
TARC Fare System Improvement	Planned	Long	This project will implement a single smart card, between the TARC system and its four partner companies, for ease of access.
TARC Wireless Router Expansion	Existing	Long	This project aims to provide passenger Wi-Fi on TARC transit vehicles, at stops, and at main stations. Currently 102 buses have already been equipped with Wi-Fi capability.
TARC ITS Hardware Replacement	Planned	Long	This project will assess current hardware along the TARC system and make replacements based on life cycle age and ability to perform.
TARC Passenger Counters	Planned	Long	This project will place additional passenger counters within the TARC system.
TARC Automatic Annunciators	Planned	Long	This project will place automatic annunciators, complete with voice and visual display, in each ITS system on every TARC transit vehicle.
TRIMARC Arterial Dynamic Message Signs (ADMS)	Planned	Short	This project will provide drivers with up to date information in order to influence travel patterns to avoid congestion when there is an incident, special event, etc.
KYTC Maintenance Vehicle AVL	Planned	Short	This project will add AVL capability for KYTC Maintenance Vehicles.
TRIMARC I-265 Coverage	Planned	Short	This project will add surveillance and DMS devices on I-265.
TRIMARC Highway Advisory Radio (HAR) and Flasher Units	Planned	Short	This project will install additional Highway Advisory Radio Transmitters (to boost signal strength and enhance coverage throughout the Metro area). Existing transmitters would be redistributed and receive an auxiliary power system, with a fiber backhaul (
TRIMARC Expansion of Traffic Sensors	Planned	Short	This project will install sensors to enhance monitored coverage area and provide data for travel time calculations to be co-located with CCTV devices. Additionally, these sensors can be standalone or co-located with other state owned equipment. It is re
TRIMARC Expansion of Freeway Service Patrol Program (FSP)	Planned	Short	This project will expand the FSP program to improve coverage and operations.
TRIMARC Expansion of devices on Outbound Lanes	Planned	Long	This project will add CCTV and DMS on outbound interstate.
TRIMARC Expansion of devices beyond Jefferson County	Planned	Long	This project will add surveillance and DMS devices on interstates outside of Jefferson County.
TRIMARC Dual ITS/Homeland Security CCTV	Planned	Short	This project will install cameras to cover traffic on the bridges between Louisville and Indiana, and could also be used by the Coast Guard use for homeland security purposes.
TRIMARC DMS Expansion and Refurbishment	Planned	Short	This project will expand TRIMARC DMS coverage, specifically along the outbound lanes from downtown Louisville, and along circumferential Routes I-264 and I-265.
TRIMARC Dedicated Communications Network with Fiber Backhaul	Planned	Short	This project will upgrade current system to fiber optic (in order to simplify operations, increase capacity, improve reliability, flexibility, and decrease reoccurring costs).
TRIMARC Connected Vehicle Implementation	Planned	Long	This project will implement connected vehicle applications to provide safety and mobility improvements.

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TRIMARC CCTV Expansion	Planned	Short	This project will install new cameras to enhance coverage area and monitor all interstate miles in the Metro area.
TARC Real Time	Planned	Long	This project aims to integrate Real Time information at transit stops.
Louisville Metro Travel Information Kiosks	Planned	Long	This project will implement generic traveler information stations, including bikeshare and traffic info, within the Louisville metro area.
Oldham County Arterial DMS	Planned	Short	This project will provide drivers with up to date information in order to influence travel patterns to avoid congestion when there is an incident, special event, etc., along I-71.
La Grange Local Transit Expansion	Planned		This project will expand local transit within La Grange.
Louisville Metro Electrical Vehicle Charging System	Planned	Long	Louisville Metro will partner with LG&E to develop Electric Vehicle Charging stations.
Louisville Metro Smart City Data Integration	Planned	Long	This project will form a connection between all agencies within the Louisville metro and Southern Indiana area, enabling data integration and data sharing to support Smart City applications.
TARC Electrical Vehicle Charging Expansion	Planned		
Utility Coordination	Planned		Coordination between the transportation and utility sectors in regards to asset maintenance and construction.
Shelby County Early Warning Signs	Planned	Long	This project will add DMS before freeway ramp entrances, telling drivers whether or not to take another route due to congestion, construction, etc.
Louisville Metro New Dixie Highway	Planned	Short	This project aims to achieve a Bus Rapid Transit (BRT) like system, which will have 40 signals equipped with Transit Signal Priority (TSP), new cameras, new DMS, and new BRT stops located from City Hall in Louisville to the end of Dixie Highway. Hardened
Regional Truck Parking Information and Management System (TPIMS)	Planned	Short	Interstate truck parking system that will provide parking information to commercial vehicles.