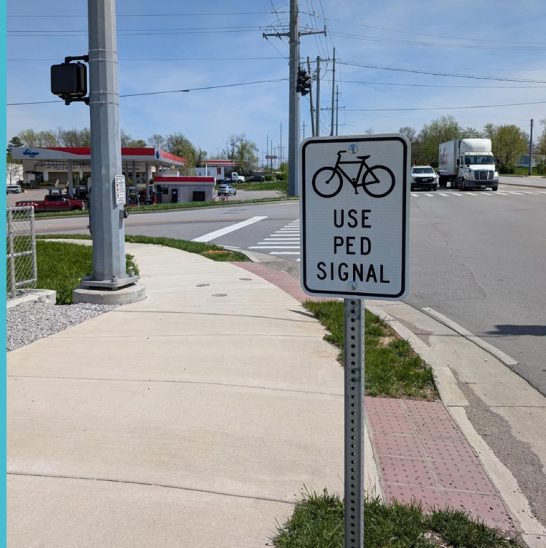




BOONE COUNTY TRANSPORTATION PLAN UPDATE 2025

**GETTING YOU
WHERE YOU
WANT TO GO**



OVERSIGHT TEAM

- **Matt Dowling**, Deputy County Administrator
- **Robert Franxman**, County Engineer/Assistant County Administrator
- **Jenna LeCount**, Planning Commission, Community Development Services Director
- **Tom Logan**, Public Works, Director
- **Daniel Menetrey**, Public Works, Capital Projects Manager
- **Elaine Zeinner**, Communications Senior Manager
- **Robyn Bancroft**, OKI Strategic Initiatives Manager



**Contract awarded
to Gresham Smith
January 27, 2025**



BOONE COUNTY
KENTUCKY





GOALS

Plan transportation and land use together.

- Improve and maintain existing infrastructure.
- Advocate on residents' behalf to ensure projects align with community goals and needs.

Build safe, walkable communities and a well-connected road network.

- Plan and build projects that protect our local neighborhoods' charm and character.
- Build new connector roads where appropriate to ease congestion and improve access to main roads.
- Design projects that protect safe, easy pedestrian and bicycle access to parks and public spaces.

Minimize freight impacts to our neighbors with safe, smart projects.

- Use innovative technology to reduce impact of freight operations to residents.
- Develop projects to route freight through designated corridors and alleviate impact to local neighborhoods.
- Plan ahead and prepare now for freight resources that may be needed in the future.



EXISTING AND FUTURE CONDITIONS REPORT

Purpose: Understand how **people and goods move** across Boone County by evaluating the **transportation system, travel patterns, and infrastructure conditions**

Community Growth

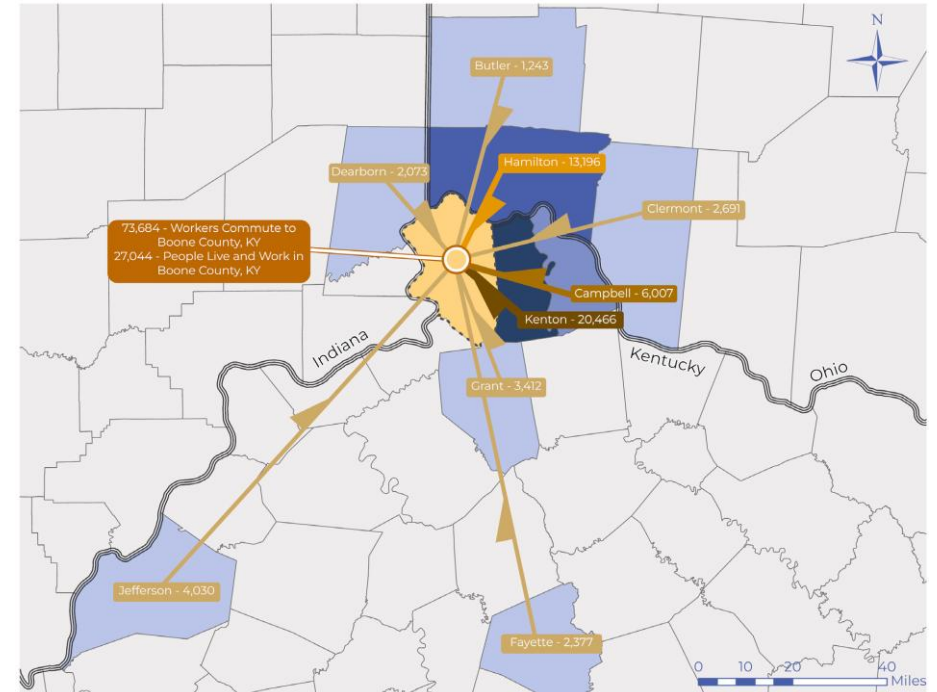
- **144K residents today** → **Continued increase through 2050**
- Major employment hub: **CVG Airport**

Travel & Commuting

- **27% live and work in Boone County**
- **73% commute into the county**
- Strong **regional travel demand**

Transportation Network Today

- Major corridors: **I-71/75, I-275**
- Network of **arterials, freight routes, and local roads**
- **Limited transit service** (Florence & CVG area)
- **Heavy reliance on automobiles**



TECHNICAL ANALYSIS

Travel Demand Model

- Corridors like KY 18, KY 237, and US 42 are projected to have worsening congestion
- Secondary and residential roads are likely to receive spillover traffic from major corridors, resulting in new congestion hot spots in areas not designated for high volumes

Safety (Crash Analysis)

- Fatal crashes continue to occur, but on a decreasing trend
- Serious injury crashes remain steady
- Crashes involving bicyclists & pedestrians are decreasing

Bicycle and Pedestrian Analysis

- Gaps in bicycle and pedestrian facilities create a lack of access
- All existing bike lanes are unprotected and on 45 mph roadways causing many bicyclists to feel unsafe

Freight Analysis

- Lack of truck parking continues to pose safety and operational challenges along I-71/75
- Pavement and bridge conditions are deteriorating on roads with high truck volumes
- Truck volumes are expected to continue to grow by 2050, especially in the southern and western portions of the county

Comprehensive Plan Analysis

- The County's road network has become insufficient in certain areas given their current volumes
- New developments raise concerns about preserving rural character and limiting sprawl

Tourism Analysis

- Limited public transit makes most attractions only accessible by car
- Lack of branding and signage reduces opportunities to leave a strong first impression





PUBLIC / STAKEHOLDER INPUT

Website Views	12,200
Online Responses: <i>(surveys and maps)</i>	37,881
Online Comments:	1,415
Public Meeting Attendees:	150
Pop-Up-Events:	14
Stakeholder Meetings:	12



A project team member gives instructions on how to respond to the activities.



View of attendees at the April 22, 2025 Public Open House

Which of the following transportation objectives are most important to you?

74%	Reduced congestion	859 ✓
44%	Improved safety with reduced crashes and fewer speeding vehicles	505 ✓
43%	Improved daily commute	502 ✓
40%	Better connections between major travel corridors	465 ✓
27%	More multi-use paths for biking and walking	310 ✓
8%	Enhanced public transit services and amenities	98 ✓
7%	Other (please specify)	84 ✓
7%	Improved access to/from Boone County attractions and events	76 ✓
3%	Better support for advanced technologies (ie EV chargers, driverless vehicles)	29 ✓

1,157 Respondents

COMMUNITY / STAKEHOLDER PRIORITIES

- **Reduce Congestion**
Daily delays on major corridors
- **Improve Safety**
Dangerous driver behavior & rural road safety
- **Better Walking & Biking**
Demand for sidewalks, bike paths, and safer crossings.
- **Freight Management**
Reduce conflicts between trucks and local traffic





TRANSPORTATION ISSUES & NEEDS ASSESSMENT

What does the Data Say?

Traffic Growth

- Traffic volumes projected to increase significantly by **2050**

Crash Patterns

- Many serious crashes involve **single-vehicle roadway departures**

Gaps in Walking & Biking

- Missing connections between neighborhoods, schools, and destinations.

Freight Pressures

- Truck traffic increasing
- Truck parking shortages along **I-71/I-75**





TRANSPORTATION ISSUES & NEEDS ASSESSMENT

Multimodal Priorities:

Upgrade Key Corridors

- Address congestion
- Improve intersections

Expand Multimodal Network

- Sidewalks
- Bike lanes
- Multi-use paths

Invest in Safety

- Rural road improvements
- Low-cost systemic safety measures

Support Freight & Tourism

- Expand truck parking
- Improve access to major destinations

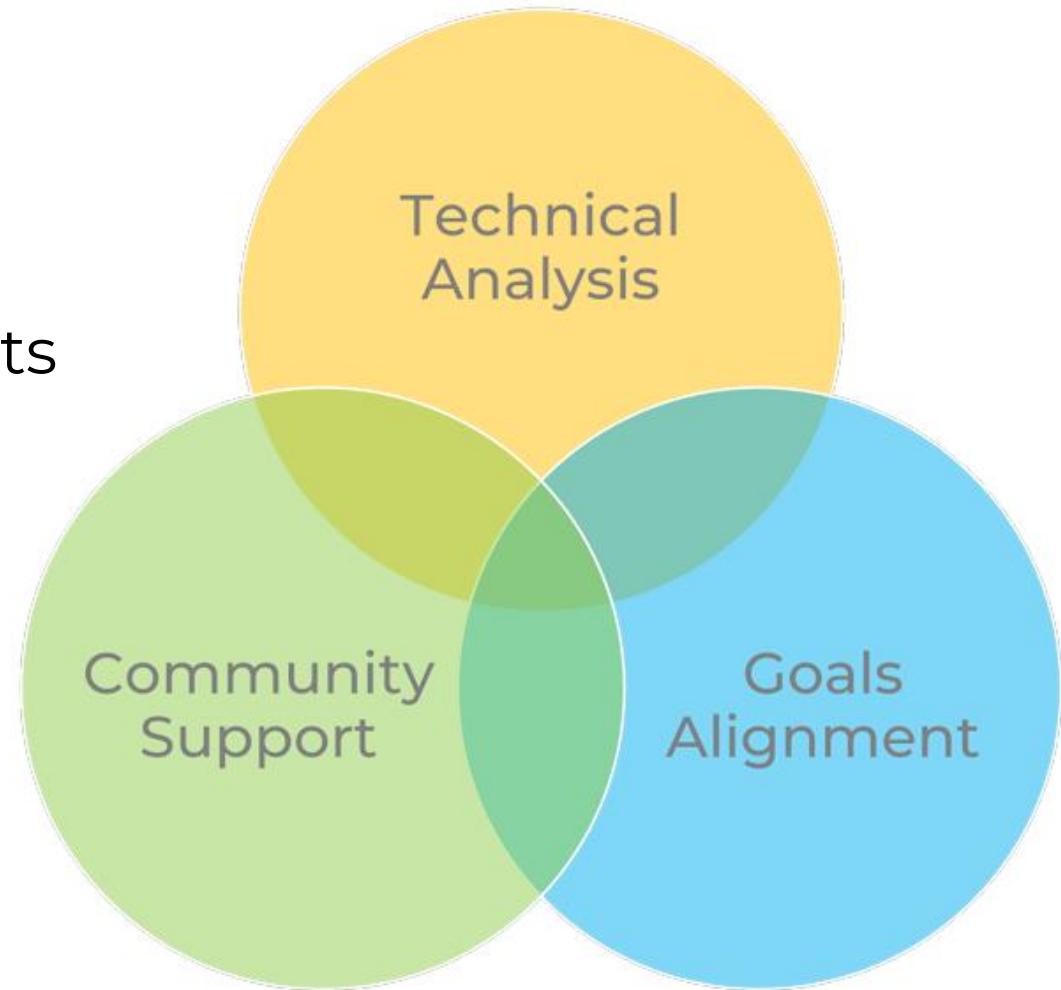




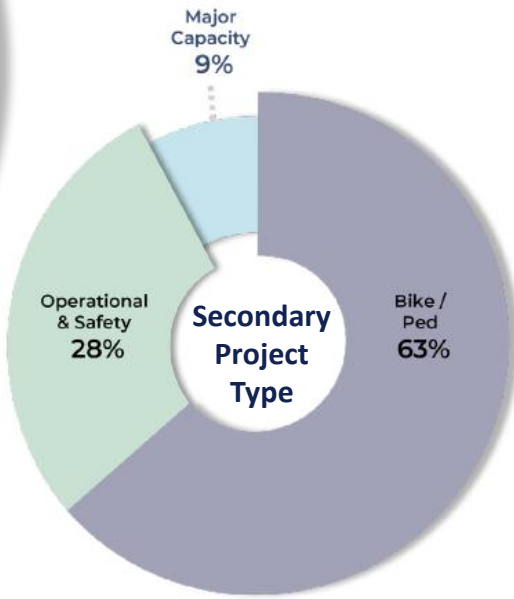
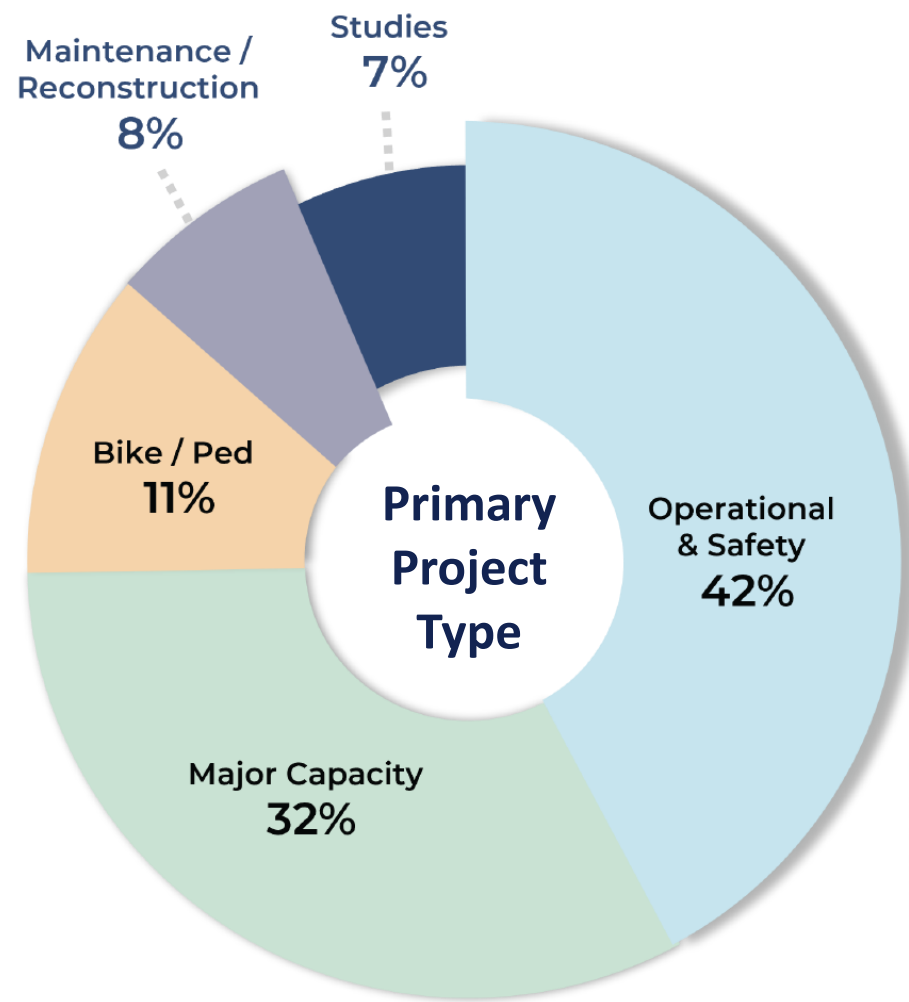
TRANSPORTATION ISSUES & NEEDS ASSESSMENT

UNIVERSE OF PROJECTS:

- 2017 Transportation Plan projects
- 2050 OKI projects
- KYTC SHIFT priority projects
- Travel Demand Model
- Community/Stakeholder Feedback



PROJECT RECOMMENDATION TYPES



Number of Projects by Location

Hebron/Burlington: 37

Florence: 22

Richwood/Union: 20

Western Boone County: 17

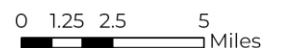
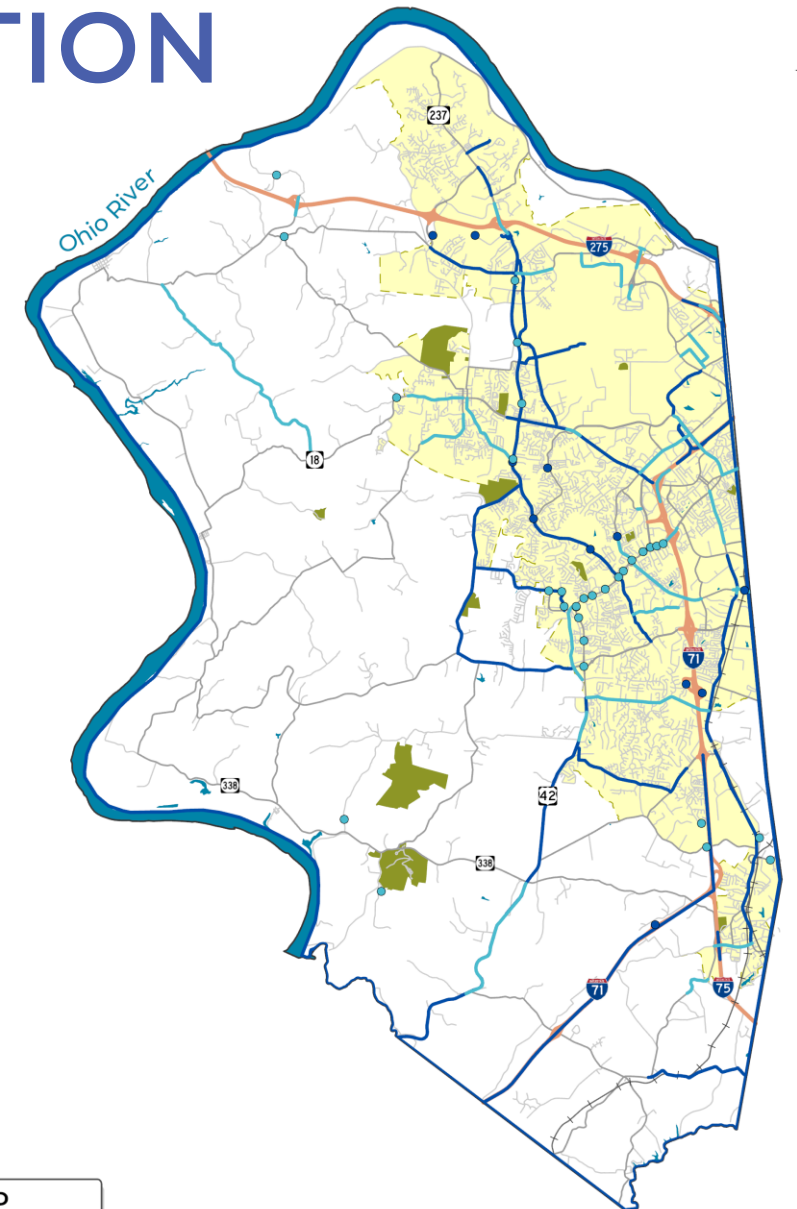
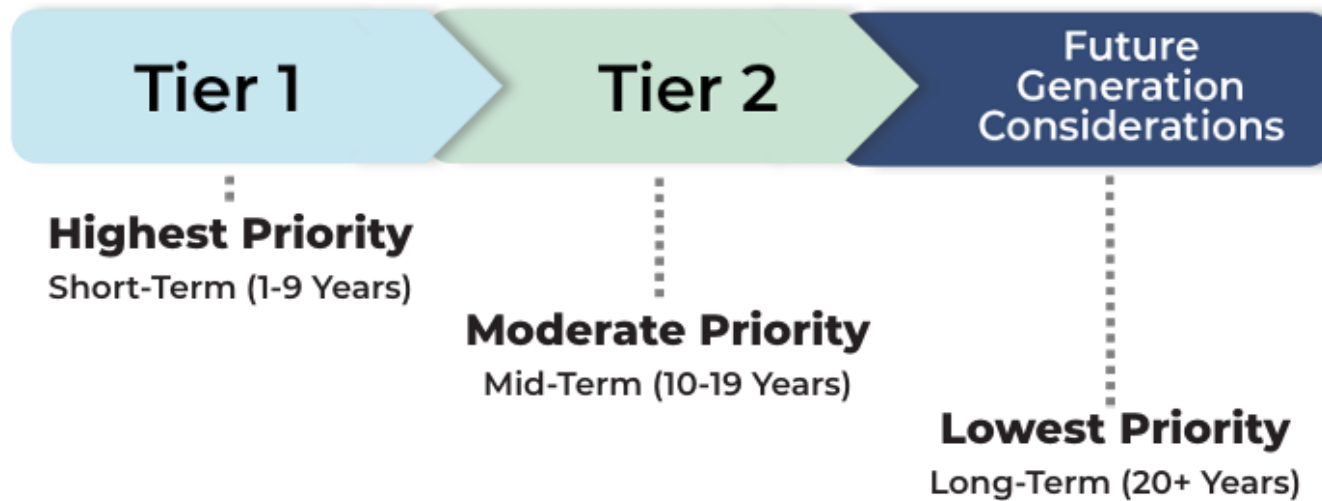
Walton-Verona: 11

Entire County: 3





PROJECT RECOMMENDATION TIERS



TIER 1 PROJECTS

37
Projects

- **BOONE COUNTY (13)**
 - Camp Ernst Road
 - Hicks Pike
 - Limaburg Road
 - Litton Lane Extension
- **KYTC (22)**
 - KY 18 Superstreet
 - Turfway Road Widening
 - Walton Interchange
 - Truck Parking @ Rest Area
 - KY 20 Improvements (237 to Graves)

- These are the highest priority projects and represent the best opportunities to substantively improve the County's transportation network.
- These projects can deliver measurable public benefit in the near term.
- Funding for these projects will consistently be advocated for and ideally the projects would move forward in the next 1-9 years.



TIER 2 PROJECTS

**45
Projects**

- **BOONE COUNTY (13)**
 - Bridge Replacements
 - Pavement Rehabs
 - New / Widen Roads
 - Sidewalks / MUPs
- **KYTC (30)**
 - KY 18 @ Aero Parkway
 - Interchange reconstructions on I-75 and 275
 - KY 20 Improvements (east of 237)

- These are projects of moderate priority and are expected to take longer to move forward.
- While these projects also include substantive improvements, their priority falls behind Tier 1 projects.
- Funding for these projects is expected to be sought after between years 10-19.



FUTURE GENERATION CONSIDERATIONS

27 Projects

- **BOONE COUNTY (13)**
 - Aero Parkway Connector
 - Elijah Creek Connector to 237
 - Ohio River Trail
- **KYTC (14)**
 - Western KY 18 and KY 20 Improvements
 - New I-71 Interchange
 - New 275 Interchange

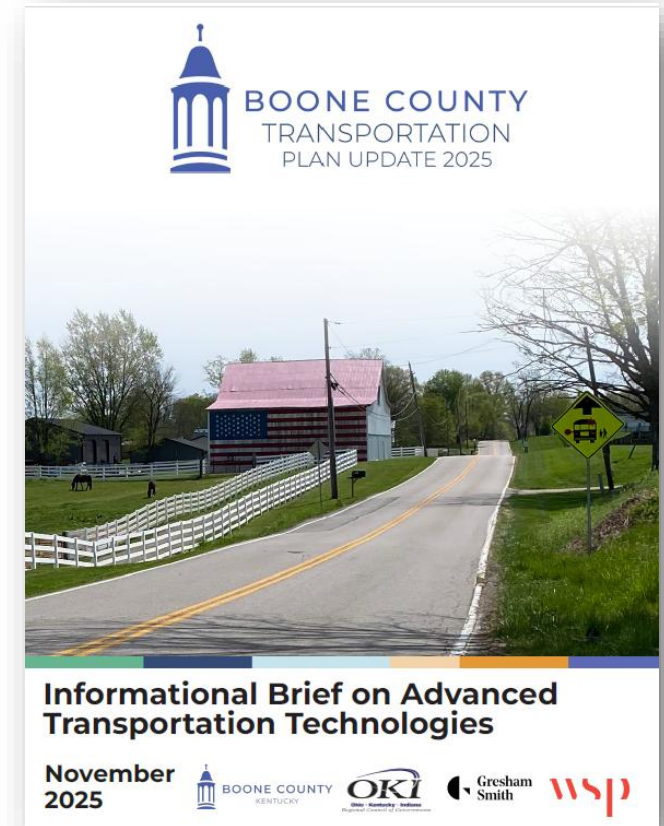
- These projects are long-term needs that may help address emerging or projected future demands and will be re-evaluated as conditions and priorities evolve.
- While not ready for immediate investment, identifying them today ensures Boone County continues to plan responsibly for future infrastructure demands.
- If future evaluations identify these projects as needs, funding would begin to be sought 20+ years in the future.





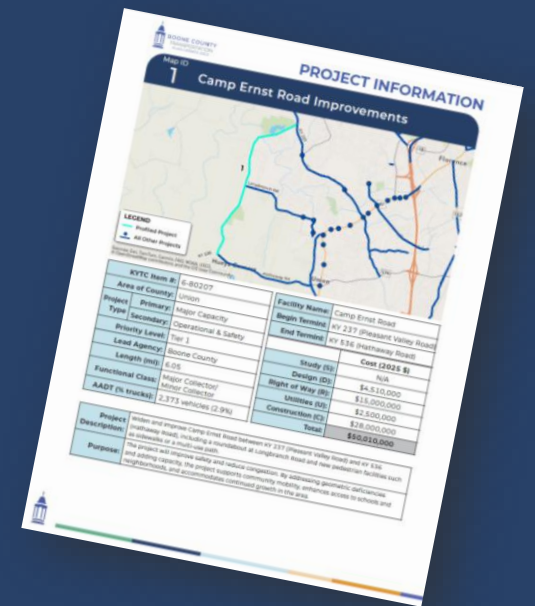
ADVANCED TECHNOLOGIES BRIEF

- **Transportation Systems Management & Operations (TSMO)**
- **Connected & Automated Vehicles (CAVs)**
- **On-Demand Transit**
- **Micromobility & Mobility-as-a-Service (MaaS)**
- **Advanced Air Mobility (AAM)**



A stylized white graphic on a dark blue background. It features a central dome with a small circular finial on top. Below the dome is a series of three vertical arches, with the central arch being the largest. The entire graphic is composed of solid white shapes against the dark blue background.

- 





BOONE COUNTY
TRANSPORTATION
PLAN UPDATE 2025

RESOLUTION 2026-08

OKI ADOPTION OF THE BOONE COUNTY TRANSPORTATION PLAN UPDATE