

MSU IT CAMPUS NETWORK UPGRADES

In alignment with MSU's 2030 strategic plan, MSU IT is developing a strategy to modernize MSU's network by investing in infrastructure and improvements.

- Stewardship and sustainability goals focus on reducing technical debt and placing the university in a position to begin maintaining regular refresh cycles.
- Improvements will enhance the user experience in all MSU classrooms, research labs, offices, and facilities through the connectivity, reliability, and availability of secure networks.
- This initiative promotes current and next generation energy-efficient technologies and enables future growth to support the success of all Spartan students, faculty, researchers, and staff.

The following is only a snapshot, not an inclusive representation of all the work being done with this multi-year investment.

WHAT IS UPGRADING

Feedback from campus stakeholders guides our approach in modernizing MSU's network.

UPGRADES WILL IMPROVE:



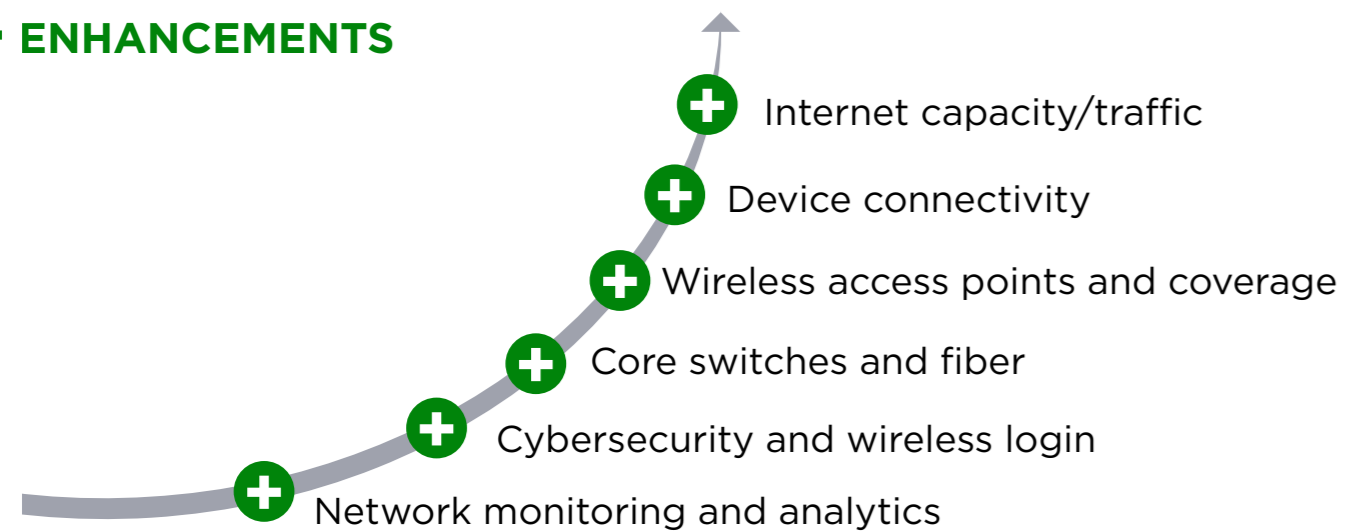
CONNECTIVITY AND RELIABILITY

SECURITY AND RESILIENCY

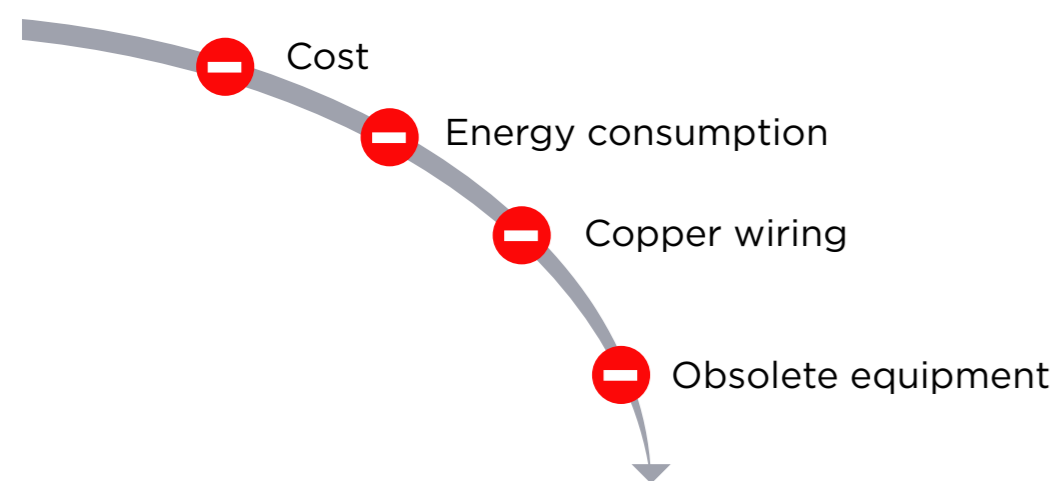
SPEED AND CAPACITY

SUSTAINABILITY

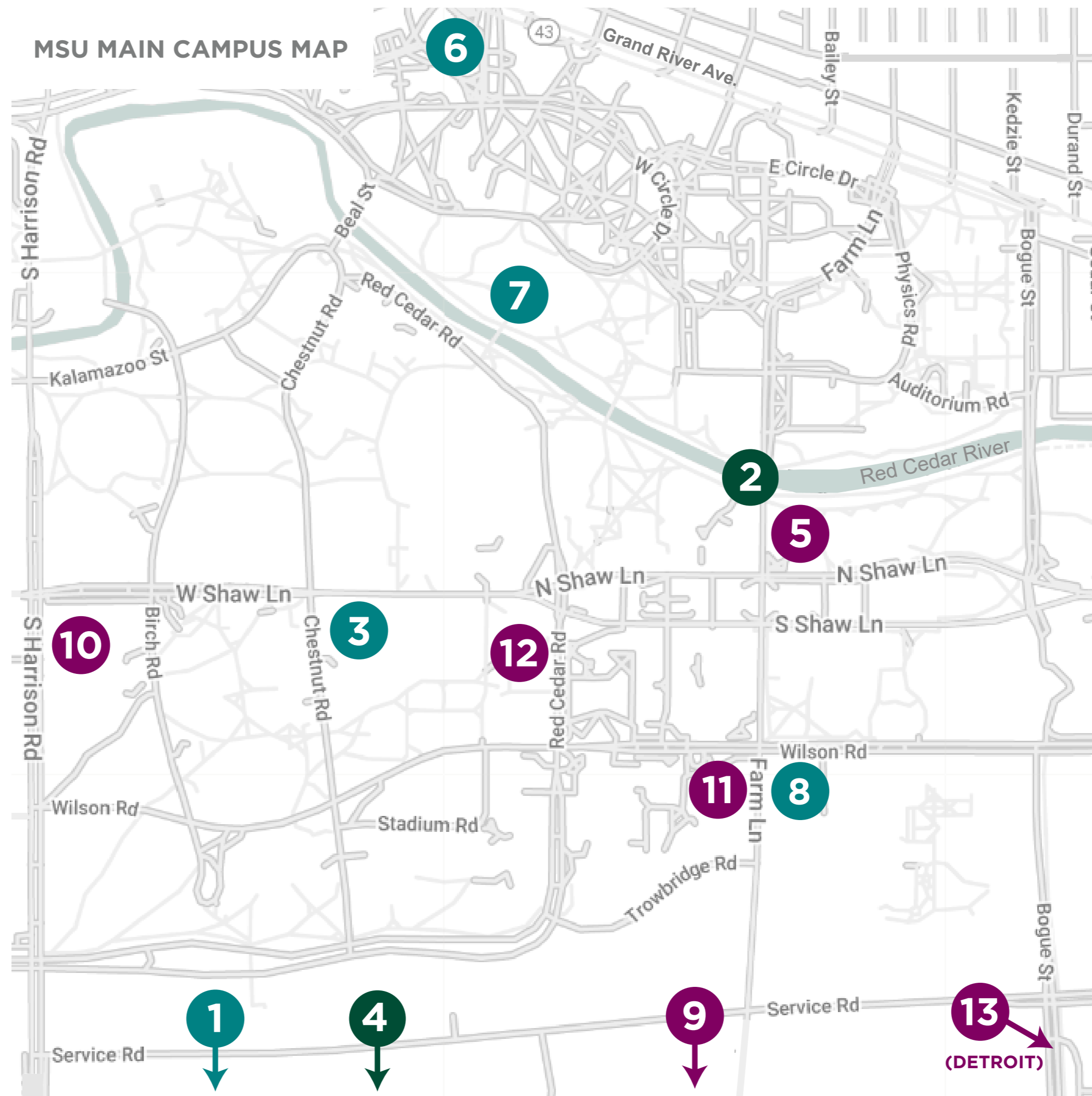
+ ENHANCEMENTS



- REDUCTIONS



WHERE UPGRADES ARE OCCURRING



NEW BUILDINGS

New fiber optics, copper wiring, and equipment including network switches and wireless access points.



EXISTING BUILDING IMPROVEMENTS

Upgrade fiber optics, copper wiring, and wireless solutions for high-performance networking and increased bandwidth. Improve equipment including network switches and wireless access points. Helps energy efficiency to reduce consumption and costs.



OTHER CAMPUS ENHANCEMENTS

FARM LANE BRIDGE FIBER

New fiber infrastructure to support future network growth and improve connection speeds.

MSU DATA CENTER GENERATOR & IPF RESILIENT CONNECTION

New generator adds redundancy for power systems serving critical computing services, removes points of failure, and ensures availability during emergencies.

WHEN UPGRADES ARE HAPPENING

