



Master Planning

The first step to sustainable solutions.



CLIENTS

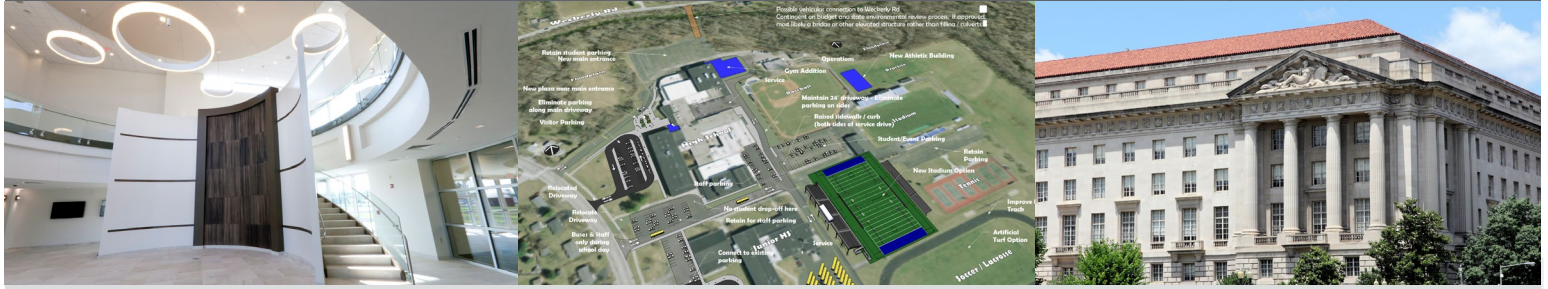
Abbott Laboratories
Dana Incorporated
General Motors
GrafTech
The Hershey Company
Honda Motor Company
Kemin Industries
Kenworth Trucks
Knauf Insulation
Lochinvar
Marathon Oil
TG North America
U.S. EPA

Long-range master planning is most important and effective in the shaping of physical environments. Our team of experts handles everything from single sites to multiple, complex global sites. They consider a broad range of factors—including trend forecasting, market data, and facility and site assessments, community considerations, access, sustainability plans, and energy audits. SSOE's master planning services are based on a collaborative process of gathering input from all the relevant stakeholders and will give you a reliable roadmap for smart facility decisions. We approach your facility challenges creatively in order to identify unexpected opportunities. As a multidisciplinary firm, we draw on our in-house experts to assure the plan's completeness. No plan is too limited or too complex for SSOE.



TECHNICAL SPECIALTIES

- Adjacency matrices and concept plans
- Architectural character and aesthetics
- Auto and pedestrian traffic patterns
- Boundary and topographical surveys
- Building life expectancy review
- Circulation / Parking needs and impacts
- Density and development analysis
- Energy management and conservation
- Environmental issues
- Historic and future growth analysis
- Infrastructure and utility mapping / design
- Land use and site analysis
- Major ancillary service projections
- Physical plant needs analysis
- Programming and phasing
- Strategic planning
- Space needs analysis



"The master plan more than paid for itself. In the design phase, SSOE found ways to use the space more efficiently, which increased the capacity of each building from 300 to 400 people. SSOE saved U.S. Xpress \$6.5 million by reducing future building costs."

Kevin Schopf, Facilities Planner
U.S. Xpress



OUR MASTER PLANNING PROCESS

1

ASSESSMENT

- Strategic direction
- Program priorities
- Current inventory
- Industry trends
- New technologies
- Local market trends
- Capital constraints
- Competitive market position
- Volume projections
- Site / Facility evaluations
- Code requirements

2

CRITICAL ISSUES

- Strategic issues
- Building / Site deficiencies
- Material flow through plant
- Adjacencies
- Infrastructure
- Projected space requirements
- Parking needs
- Code compliance
- Phasing consideration

3

DEVELOPMENT OPTIONS

- Potential development schemes / alternative scenarios
- Block diagrams
- Evaluation criteria / priorities
- Expansion potential
- Capital estimates

4

STRATEGIC PRIORITIES / IMPLEMENTATION PRIORITIES

- Selection of preferred development scheme
- Capital requirements
- Implementation schedule
- Phasing and operational implications