Since 1955 Trumbull Corporation has been a major contributor to the regional construction market. Offering general contracting and construction management services, Trumbull has performed over $3 billion of heavy and highway construction activity. Trumbull is one of the country’s Top 100 General Contractors and Construction Managers, according to Engineering News Record.

TCMS, a construction management group within Trumbull Corporation, has provided services on more than a billion dollars worth of construction projects since 1989. We offer our clients the distinct advantage of having not only extensive construction management and inspection experience, but also valuable construction expertise should the need arise. Members of our staff use the knowledge and experience gained as a contractor to better coordinate the work of other contractors and to manage the required level of inspection successfully for your project.

In addition, many of our employees have worked for state and federal agencies. Their experience provides TCMS with a valuable understanding of public clients’ needs and interests.
When you partner with TCMS as your Construction Manager you can be assured that our performance will reflect positively on your organization, follow your vision and protect your investment.

**Preconstruction Phase**

- Constructability and Bid-ability reviews
- Value Engineering Analysis
- Develop Preliminary Construction Schedules and Master Program Schedules
- Construction Cost Estimates
- Provide recommendation during design phase to assist in establishing priorities with utility relocations, right-of-way acquisitions, environmental permit approvals, etc.
- Develop Bid Packages for lowest cost construction
- Evaluate alternate construction methods
- Coordination of utility relocations
- Assist in obtaining environmental permits
- Conduct pre-bid and preconstruction meetings
- Develop project specific Special Provisions

**Specialized Scheduling Services**

- Microsoft Project, Suretrak, P3 and P6 Proficient
- Proficient with Claim Digger software
- Baseline schedule analysis; including resource loading and production rates
- Critical Path Analysis
- Schedule update reviews
- Develop Pre-construction Schedules
- Develop and maintain multi-contract Master Schedule

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*Whitaker Flyover*
Allegheny County, Pennsylvania

**OUR EXPERIENCE AS A CONTRACTOR ALONG WITH OUR ABILITY TO UNDERSTAND A JOB FROM THE OWNER’S PERSPECTIVE ENABLES US TO ENSURE A SUCCESSFUL PROJECT FOR YOUR ORGANIZATION.*
Services

CONSTRUCTION PHASE

INSPECTION AND TESTING
• On-site construction inspection, record-keeping and payment documentation
• Material acceptance sampling and testing
• Monitor compliance with Quality Control Plans
• Provide Quality Assurance monitoring
• Provide Survey services

PROJECT MANAGEMENT
• Coordinate and conduct monthly progress meetings and monitor Follow-Up issues
• Coordinate environmental agency reviews
• Monitor and coordinate utility relocations
• Monitor construction schedule and updates
• Anticipate potential for claims; provide documentation and analysis with recommendation for equitable resolution
• Facilitate/participate in Partnering to enhance cooperation
• Pre-Activity Meetings (typically conducted prior to start of paving, deck pour, bridge beam erection, etc.)

PROJECT ADMINISTRATION
• Prepare progress payments, change orders, and time analysis
• Coordinate resolution of design problems / conflicts
• Utilize state-of-the-art technology to maximize efficiency of project and documentation systems
• Review and process submittals, RFIs, shop drawings, and source of supplies
• Prepare and process correspondence
• Timely project close-out
• Conduct Semi-Final and Final Inspections
• Prepare As-Built drawings/compile final project records
• Proactively manage our Services Agreement
• Establish and maintain project specific website
• Post-Construction Lessons Learned Report

SPECIALIZED SERVICES
• Coordination of multiple contract projects
• Provide QC oversight on Design /Build projects
• Bridge Safety Inspections (NBIS)
• Onsite Safety Inspections
• Review and critique Blast and Bridge Erection Plans
• Geotechnical and Bridge Inspections
• Provide CM and CI Services in active airport operations area, toll and maintenance facilities, highway signing and lighting
• Review and critique Traffic Control Plans
• Coordination of Owner Controlled Insurance Programs (OCIP)
• Provide project specific document control process
• Efficient in use of Constructware
To date, our most challenging project has been the Pennsylvania Turnpike Commission's Mon/Fayette Expressway I-70 to PA-51 project. Some of the highlights of this project are as follows:

- Total cost of construction $420 million
- 27 construction contracts; 9 concurrent mainline contracts
- 18 miles of new divided/limited-access toll road
- 18 large bridge structures
- 38 million CYS of excavation
- 94 major utility relocations
- 4 interchanges, mainline toll plaza, maintenance sites
- Wetland mitigation

The Mon/Fayette Project was a success story in every aspect. Unlike some large multi-million dollar projects, this project:

- Completed on time
- Under the original budget
- Less than 3% in change orders

The Mon/Fayette Project has received numerous awards. Most notably:

- American Society of Highway Engineers, Pittsburgh Chapter, Outstanding Highway Engineer Award
- Engineers Society of Western Pennsylvania Transportation Project of the Year
- Pennsylvania Partnership for Highway Quality, Project Recognition Award
- American Concrete Pavement Institute, National Finalist, Concrete Highway/Rural

"We commend you on the skill and dedication of your people. Your team exemplified the best in partnering and concern for the project's success. We were honored to partner with your team, and we look forward to working with Trumbull in the future."

- Russell C. Swank III, President
  Swank Associated Companies
  General Contractor, Mon-Fayette Expressway
TCMS’s variety of services can be tailored to meet your individual needs. Whether you require management services on a small or multi-million dollar project, TCMS has your solution.

**Our Clients**

- Allegheny County Airport Authority
- Allegheny Department of Public Works
- Consol Energy
- Delaware River Joint Toll Bridge Commission
- Florida Department of Transportation
- Florida DOT, Turnpike Enterprise
- Miami-Dade County
- Ohio Department of Transportation (ODOT)
- Pennsylvania Department of Transportation (PennDOT), Districts 1, 5, 11 and 12 (CI)
- Pennsylvania Department of Transportation (PennDOT), Districts 6 and 8 (CM and CI)
- Pennsylvania Turnpike Commission
- Summit County, Ohio
- Urban Redevelopment Authority of Pittsburgh
- Village of Wellington, Palm Beach County
- Various Private Clients
TCMS's experienced professionals provide solutions to your project issues. We are committed to making every project a success story!

Our approach to each project involves implementation of seven basic management principles:
• Proactive Management
• Schedule Awareness
• Cost Control
• Quality Assurance
• Efficient Document Control
• Committing to Safety as a priority
• Maintaining a Partnering Attitude

We formulate our methods and procedures first by creating a plan or approach to address required tasks. Then we identify specific assignments to achieve our goal. We focus our attention on providing our clients with the highest quality, most cost-effective project that fulfills their program’s needs. The following are some of the management tools that we develop specifically for each Project:
• Internal Quality Management Plan
• Agreement Status Reports to monitor our budget
• Inspection Checklists for various elements of the work
• Project specific Inspection Plans that identify “Check” and “Hold” points for construction activities
• List of specific Task Assignments from Project Scope of Services,
• Internal Training Program

“Through a long selection process, we chose TCMS because we felt confident that they could handle the job and we also like the fact that they have experience as a contractor. Their staff understands the contractor’s concerns, speaks their language, and works with them as a team. To me, a company is only as good as the people they provide. TCMS put together a great team of experiences professionals, from structural engineers to safety experts.”
David B. Sheridan, PE
Construction Engineer Manager
Pennsylvania Turnpike Commission
Our family of companies is closely held by the Clifford Rowe and Jane D. Burton families. We continue to operate with the integrity and honesty exemplified by our founder, Perry J. Dick, and today we bring decades of experience and a legacy of quality and safety to every project we undertake. Collectively, our companies have managed more than $5 billion in construction activity and we are consistently ranked among the nation’s Top General Contractors and Construction Managers by Engineering News Record. As a result of this experience and our strong commitment to the clients and the communities we serve, our family of companies has been consistently honored with “best of class” status in our industry.

PJ Dick manages and constructs buildings in a variety of markets including corporate, healthcare, education, government, industrial, and research. Trumbull is a leader in the bridge and highway marketplace and has expanded it’s services to include infrastructure inspection and landfill management as well as site development work. Lindy Paving provides quality asphalt paving and product manufacturing.

The cornerstone of our business philosophy is partnership. We encourage partnering throughout our companies, among our subcontractors and suppliers, and with our valued clients. Working as a team, we deliver innovative solutions, achieve quality results and ensure customer satisfaction.