



MARRS

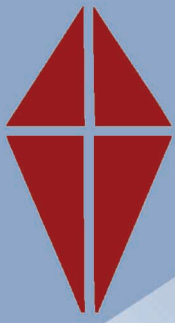
MARRS offers a full range of engineering, management and environmental services.

We tailor our approach to best suit project needs and client preferences. Working collaboratively with our clients, we apply technical and management expertise backed by solid project experience to provide innovative solutions and a full suite of quality work products.

MARRS has a track record of successfully completing public works infrastructure, facilities and environmental projects for major public agencies and private contractors.

Our technical knowledge and culture of responsiveness keep projects on track. We are recognized for the knowledge, commitment and integrity we will bring to your project.

ENGINEERING ■ MANAGEMENT ■ ENVIRONMENTAL



MARRS



WATER

MARRS offers a full range of services for implementing complex water projects from planning through construction and startup for potable water, wastewater, stormwater and groundwater. We apply state-of-the-art technologies to new or existing systems to achieve environmental and cost objectives.

Our expertise includes infrastructure condition assessment, capital improvement projects identification, agency coordination, permitting, design and specifications development, construction management, O&M manuals, operator training, facilities maintenance and development of tools and procedures to streamline project implementation.



TRANSPORTATION

MARRS' transportation services help agencies to improve operations and address growth demands.

These services include agency coordination and permitting, civil engineering, construction management and project controls for road, freeway, bus facility, rail system and airport infrastructure projects. We understand the logistics of supporting large complex projects, and bring expertise in utilities documentation, relocation and in-place protection; resident engineering, construction sequencing, construction resource estimating and cost estimating; and document control.

**civil
engineering**

**program
management**

**construction
management**



ENVIRONMENTAL

MARRS environmental services provide cutting-edge solutions for a variety of multi-media contaminants. Our expertise includes: compliance, characterization, MEC, sampling and analysis, remedial design, and site closure. MARRS has extensive experience with regulated contaminants such as petroleum hydrocarbons, volatile and semi-volatile organic compounds, metals, PCBs, munitions, and emerging compounds.

We are well versed with regulatory requirements, and our long-standing relationships with regulatory personnel enable us to streamline regulatory activities and negotiate fair and reasonable compliance goals.

FACILITIES

MARRS offers project/construction management and technical support services for new build and renovation projects. We manage the entire project implementation cycle, including environmental compliance, utilities coordination, constructability review, construction sequencing, cost estimating and construction, to achieve project technical, schedule and cost objectives.

Our asset management services include the development of systems and procedures for tracking maintenance of completed facilities. Our expertise includes application of specialty software, database management and GIS tools.

**environmental
management**

**project
controls**

**design-build
support**

SERVICES

civil engineering

Field Investigations
Pipe Line Alignments
Treatment Technologies
Life Cycle Cost Analysis
Utilities Documentation
Utilities Relocation/Protection
Feasibility Reports
Cost Estimates
Construction Plans & Specs.
Construction Sequencing
CAD / GIS Applications
Agency Coordination
Permitting
Bid Solicitation Support
Response to RFIs
Shop Drawings Review
Change Orders Review
Punchlist Preparation
O&M Manuals
Startup & Commissioning
Operator Training

program management

Condition Assessment
CIP Development
Master Scheduling
Cost Estimating
Resource Estimation
Cost & Resource Loading
Progress Tracking
Cost Management
Feasibility Reports
Project Implementation Plans
Best Management Practices
Agency Coordination
Permitting
CAD / GIS Applications
O&M Manuals
Facility Start-up Planning
Training
Asset Management

construction management

Resident Engineering
Constructability Review
Bid Solicitation Support
Contract Administration
Inspection
Progress Billing Review
Change Order Administration
Site Safety Monitoring
Estimating
Schedule Review
Document Control
Permit Monitoring
Claims Avoidance
Extra-work Analysis
Schedule Delay Analysis
As-built Record Drawings
Project Closeout

environmental management

CERCLA & RCRA Management
Compliance
Contaminant Fate & Transport
Field Investigations
Munitions (MEC) Support
Permitting
Planning Document Preparation
Pollution Prevention
Regulatory Liaison
Remedial System Implementation
Remediation Design
Sampling & Testing
Site Characterization
Site Closure
Site Delineation
Storm Water Management

project controls

Master Scheduling
Resource Estimation
Cost & Resource Loading
Cash Flow Projections
Work Progress Tracking
Schedule Review
Cost Estimating Review
Schedule Delay analysis
Cost Control
Document Control
Software Evaluation
Standard Forms
& Procedures
Report Generation
Information Systems
Support

design-build support

Field Investigations
Design Criteria Development
RFP Preparation
Bid Solicitation Support
Design Plans & Specifications
Quantities & Cost Estimates
Response to RFIs
Shop Drawings Review
Change Order Review
Punchlist Preparation
O&M Manuals
Startup & Commissioning
Operator Training