



## SPECIALIZED PROJECT

# Dhaka Elevated Expressway Utility Survey by GPR

Comprehensive underground utility mapping and verification along the revised route of Dhaka Elevated Expressway.



**EMPLOYER / CLIENT**  
Bangladesh Army



**INVESTOR**  
Bangladesh Army



**LOCATION**  
Dhaka  
Elevated  
Expressway



**PROJECT  
COST**  
26.8 MBDT



**CONSULTANT**  
ARIDOD



**STATUS**  
Completed

## MAJOR COMPONENTS



Utility service survey for water lines, telecommunications, gas transmission lines, power cables, sewerage and drainage structures.



GPR scanning and topographic surveys for comprehensive subsurface investigation.



Trail excavation for verification of detected utilities and depth confirmation.



Preparation of utility maps with plan and depth information.



Reporting and relocation recommendations for safe and efficient utility management.

## PROJECT HIGHLIGHTS

- ✓ High-accuracy subsurface detection of multi-utility assets using GPR and advanced geophysical methods.
- ✓ Supports expressway planning, design review and utility coordination.
- ✓ Reduction of utility conflict risk during construction and future operations.
- ✓ Structured reporting and maps vetted for stakeholders and agencies.
- ✓ Integration of geophysical scanning and topographic data for reliable deliverables.
- ✓ Safer and faster decision-making for route alignment and construction planning.

## OUR WORKFLOW



**01**

### SCAN

GPR scanning and topographic survey along the corridor.



**02**

### VERIFY

Trail excavation and field verification of detected utilities.



**03**

### MAP

Data processing and preparation of utility maps.



**04**

### COORDINATE

Utility coordination with stakeholders and agencies.



**05**

### REPORT

Structured reporting, recommendations and submissions.



### MULTI-UTILITY COVERAGE

Comprehensive survey of water, telecom, gas, power, sewerage and drainage.



### VERIFIED MAPPING

Field-verified utility maps with accurate depth and location data.



### PLANNING SUPPORT

Reliable data for route finalization and construction coordination.



### RISK REDUCTION

Minimizes utility conflicts and associated delays and cost overruns.



### SURVEY PRECISION

High-accuracy GPR and topographic integration for confident decision-making.