11385 James Watt, Suite B-13
El Paso, Texas 79936
Office (915) 351-6701
Mobile (915) 241-3833
TBPE Firm No. F-15313
TBPLS Firm. No. 10194278
TxDOT Firm Sequence No. 3951

GRV Integrated Engineering Solutions LLC

Maria G. Robles, Masters U.S. Army Major (Retired)

Geographic Information Systems

President & Principal, GRV Integrated Engineering Solutions LLC

EDUCATION:
M.S. Geography and Cartography, George Mason University, Fairfax, Virginia, 2011(ArcGIS 2011)
B.A. Political Science, University of Texas at El Paso, 2000

YEARS OF EXPERIENCE:
GRV IES LLC Firm: 10 Years

TRAINING/MEMBERSHIPS:
Board Member, American Council of Engineering Firms (ACEC)
Member, Society of American Military Engineers (SAME)
Member, Hispanic Chamber of Commerce
ArcGIS (Arc Globe Geography Information Systems) Resource Management Course, U.S. Army
Captain's Career Course, U.S. Army
Advanced U.S. Army Officer Course

EXPERIENCE:

GRV Integrated Engineering Solutions LLC (June 2013-Present). Maria is GRV's Geographic Information Systems (GIS) expert, with a Master's in Geographic and Cartographic Science degree from George Mason University in Fairfax, Virginia (2011) and U.S. Army Imagery Intelligence course graduate (2004). Practical experience with ArcMap 10.7, Maria has first-hand experience in the use of open-source data, its benefits, data management and analysis to create intelligence through visual representation, a valuable tool for making the best informed decisions. GIS, as Land surveying topography aim at providing the most realistic current condition of a geographical location. Complementing each other, GIS is used to manage the ever-growing amount of collected data, to include LiDAR, mobile mapping, and laser scanning to create visual representations capable of detecting change patterns, develop simulations, locate and track the repair of utilities, potholes, construction, soil erosion, drainage systems, traffic patterns, etc.

While serving in the US. army and with heavy reliance on all-source intelligence Maria was directly responsible for managing and providing operations intelligence threat briefings for groups of all sizes from company command level to National level assignments in the U.S., Middle East, Asia and Europe. She served as a U.S. Army Military Intelligence Officer, directly responsible for creating actionable intelligence from research and analysis of all-source data. Led military intelligence training groups in support of a multitude of operations in the U.S., Europe, Korea, Saudi Arabia, Kuwait, Afghanistan and Iraq. Managed Intelligence budgets and was responsible for sensitive equipment valued over one million dollars.

At the National level, she led and managed the prioritization of Intelligence collections for Department of Defense, Homeland Security, National Security Administration (NSA), Counter Intelligence Agency (CIA), White House, Defense Intelligence Agency (DIA), and FEMA's response to National disaster aid. Managed Unit's personnel and physical security programs, maintained 100% accountability of sensitive items and personnel security, ensuring Unit's receiving commendable inspections results that minimized incident reports, for security of equipment and personnel.

Maria's technical experience in Geographical Information Systems (GIS), a capability that merges cartography, statistical analysis, computer science, and applications often used for civil engineering design and analysis. GIS application provides support for project management, site/civil engineering design, storm-water management, flood mitigation, hydrology & hydraulics studies, planning and feasibility, land development, roadway and traffic design and engineering, and utility system design.
Over twenty years of Leading and Project Management experience, culminating as a field grade Military Intelligence officer with the United States Army. Supervisory and managerial experience within various U.S. Army military Units, as well as collaboration with other military services, allied forces, and National Agencies (National Geospatial-Intelligence Agency, Defense Intelligence Agency, Counter Intelligence Agency, Federal bureau of Investigations). Responsible for the daily operations, Intelligence

Basic Army Officer's Course,
U.S. Army
ROTC Graduate, University
of Texas, El Paso

analysis, preparation and execution of threat, personnel and physical security briefs for Army Units and their Commands for daily operations, in preparation for exercises and deployments, and upon completions of these activities throughout the world.

PROJECT EXPERIENCE:

City of El Paso Bicycle Connectivity Infrastructure Phase I and Phase II
Quality Manager for the preparation of a traffic control plans for 12 roadways with a total length of 24 miles. The TCPs were approved by TxDOT's Access Committee.

CRRMA-El Paso County
Quality Manager for the traffic control plans execution for the reconstruction of Eastlake Blvd. Phase I from IH-10 to Darrington Road.

El Paso Water Montecillo Drainage Study
Quality Manager for the preparation of a drainage and forensic study for the El Paso Water.

TxDOT Loop 375
Quality Manager for the preparation of the traffic control plans for the Loop 375 Mainlanes Widening from Pellicano Drive to the Zaragoza Port-of-Entry (6 mile long corridor).

Transmountain Commercial Park Unit Two and Saurey Subdivision Commercial Center
Quality Manager for the development of two new commercial sites (11 acres and 5 acres respectively).

Various Traffic Impact Studies Citywide
Quality Manager for various traffic impact analysis studies for several new developments. GIS review of plans