

**Marvin H. Gomez, P.E.,
PMP, CFM, CNU-A, PTOE**



Senior Project Manager
Principal

Education:

BS Civil Engineering
University of Texas at El Paso, 1995

MS Civil Engineering
University of Texas at El Paso, 2007

Years Experience:

GRV IES LLC Firm: 10 Years
Other Consulting Firm: 14 Yrs.
TxDOT El Paso District: 5 Yrs.

Associations:

American Society of Civil Engineers
(ASCE) -

Registrations:

Professional Engineer, TX No. 86920

Professional Engineer, NM No. 17047

Certified Floodplain Manager No.
0745-05N

Professional Traffic Operations
Engineer No. 3287

Land Surveyor in Training
No. 110428

Experience:

Mr. Gomez has over twenty-eight (28) years of experience in civil engineering. He has served in the roles of project engineer and project manager on numerous transportation projects, storm water management projects, public works, and site development projects. He has managed and engineered projects with budgets ranging from \$1 million to as large as \$25 million. His experience includes site development, traffic impact studies, preliminary engineering reports, master drainage studies, feasibility studies, design/construction documents, construction sequencing and phasing, design and construction scheduling, cost estimating, utility coordination and construction administration.

Project Experience:

COEP Yarbrough Drive, George Dieter Drive and Lee Trevino Drive Arterial Lighting, Landscaping and Irrigation Project - Mr. Gomez was the Project Manager and engineer for the new arterial lighting along Yarbrough Drive from IH-10 to Loop 375. The project included landscaping and irrigation along the three corridors. The project was coordinated with the El Paso Electric Company and El Paso Water for the new meters required for the project. The project was coordinated with TxDOT as well. Estimated Construction Cost: \$5.938 Million; Actual Construction Cost: \$6.000 Million. The low bid cost was \$5.721 Million. The project design was completed 1 month ahead of the original project schedule.

Saurey Subdivision Commercial Development (2017-2018)- Mr. Gomez was the Project Manager and engineer for the development of a new 5-acre commercial site. Prepared the final grading and master drainage plan for the site which included designing a storm sewer system. Designed the 8" water and 8" sanitary sewer pipelines required for the commercial property. The 8" waterline was designed to be connected (wet tap) to an existing 12" water pipeline. The water and sewer lines were designed and constructed to meet the El Paso Water's design standards. The water and sewer pipelines were turned over and accepted by the El Paso Water. Design a new concrete driveway along with a culvert structure located in TxDOT right-of-way and permitted by TxDOT.

EPISD (El Paso Water) Reclaimed Water (Purple Pipe) Design and Construction (Various Locations, 2005) – Marvin was the Project Manager for the design of the purple pipe (reclaimed waterlines) for several schools in the El Paso School District.

CRRMA-TxDOT-El Paso County-City of El Paso – Other experience that Marvin has includes being the traffic lead to prepare the traffic control plans for the reconstruction of Eastlake Blvd. Phase I from IH-10 to Darrington Road. Prepared construction sequencing, line diagrams, detour plans and detailed traffic control plans to construct the new roadway along with the new/upgraded utility improvements. He also coordinated the construction sequencing for Rojas Drive at Eastlake Blvd. Other TCP experience includes the preparation of the temporary control plans for the Montwood Drive 36" waterline in the eastside of El Paso. Mr. Gomez was the design engineer and task lead for the preparation of the traffic control plans for the Loop 375 Mainlanes Widening from Pellicano Drive to the Zaragoza Port-of-Entry. Mr. Gomez prepared the construction sequencing and detailed traffic control plans for the mainlanes, ramps and frontage roads.

Transmountain Commercial Park Unit Two (2016-2017) – Marvin was the Project Manager and engineer for the development of a new 11-acre commercial site. Designed the 8" water and 8" sanitary sewer pipelines required for the commercial property. The 8" waterline was designed to be connected (wet tap) to an existing 30" steel pipeline. A portion of the 8" sanitary sewer line was lined with a steel casing in order to cross an existing arroyo. The crossing of the existing arroyo caused the sanitary sewer line to have a deep trench system (10' to 19' deep) that met OSHA requirements. The water and sewer lines were designed and constructed to meet the EPWater's design standards.

The water and sewer pipelines were turned over and accepted by the EPWater. Coordinated with the El Paso Electric Company, Texas Gas Service and Spectrum to bring these utility services to the site. Prepared the construction drawings which included three concrete driveways approved by the Texas Department of Transportation. Conducted all the construction management for the owner for all the site improvements.

Texas Department of Transportation Spur 601 (Liberty Expressway) - Project Engineer for the design-build Spur 601 project (\$268 Million construction cost) which extends approximately 7.4 miles from US 54 (Patriot Freeway) at its western limit to Loop 375 (Purple Heart Memorial Freeway) at its eastern limit. The project also includes the extension of Global Reach Drive, the relocation of Walter Jones Boulevard, and the back road at the East Biggs Access Control Point Road (Constitution) totaling approximately 2.5 miles. As a task leader, Mr. Gomez was responsible for all drainage design, roadside grading and relocation of drainage facilities which included: drainage and floodplain studies for an Application for a Conditional Letter of Map Revision from FEMA; application for a Letter of Map Revision (LOMR); roadside grading (swales/ditches, shoulders/, intersections/interchanges); roadway vertical design coordination; quantity take-offs and plans, specifications, and estimates (PS&E).

TxDOT Border Highway West Extension (Loop 375) – Task Leader for the drainage and utility tasks for the preparation of schematic designs for the proposed, limited access facility, 7 mile extension consisting of 6 miles of bridge structure, 4 direct connectors, and 6 interchanges. He prepared H&H studies using computer software such as Geopak Drainage, Culvert Master, HEC-HMS, and HEC-RAS. He prepared preliminary engineering designs of several major roadway crossings (35 culverts and outfalls to the Rio Grande River), calculated the backwater (hydraulic grade line) elevations using Geopak Drainage for the storm sewer systems (over 20 different systems of 14,000 lf of RCP), he identified 300 deck drains for bridge drainage, prepared the layout for 8,000 lf of PVC pipe required for draining the bridges, identified 20,000 lf of steel pipe for the bridge area adjacent and over the Rio Grande River, identified the location of the water quality catch basins, and computed the footprints and requirements for several retention/detention facilities (13 retention/detention basins/ponds). Estimated Cost: \$500 Million

City of El Paso/TxDOT US 54/Fred Wilson Avenue Storm Sewer Outfall - Task Leader for PS&E for a new 72" storm sewer RCP crossing under US 54, a new 8'x4' reinforced concrete box storm sewer connected to a concrete lined channel, and a new storm drain system for the frontage road. Project was managed by TxDOT. He conducted hydraulic analysis using Geopak Drainage and culvert master, and prepared the PS&E. His design of the 72" RCP required clearing several existing utilities vertically and horizontally and he conducted closed coordination with the contractor and manufacturer to ensure the 72" RCP was traffic rated and could clear the existing utilities. Construction Cost: \$1 Million

Texas Department of Transportation Loop 375 Mainlanes Extension (Northeast El Paso) - Drainage task leader for schematic design of the extension of Loop 375 (Woodrow Bean Transmountain Road), a limited access facility located in Northeast El Paso, Texas having limits from one mile West of US 54 (Patriot Freeway) to Business 54 (Dyer Street) with a total length of 2.7 miles. The tasks performed by Mr. Gomez for the project included: review of previous drainage studies; define existing drainage conditions and requirements; identification of drainage issues that would require coordination with FEMA, City of El Paso, Stormwater Utility, USACE, Fort Bliss and other agencies with jurisdiction over approval of the project the project was estimated at \$60 million.