

JUAN BARRENECHE, P.E.

Project Manager/Estimator

Mr. Barreneche has over 11 years' experience in civil engineering, construction management and cost estimating in the field of underground utility construction. As Senior Project Manager and Estimator his experience developed around projects involving the installation of water mains, drainage improvements, and sanitary sewer construction. He has obtained further specialization in neighborhood improvement projects, design-build projects, directional drilling, PCCP, box culvert construction, pump stations, treatment plants and sewer force mains for various publicly bid projects for municipalities throughout South Florida. As a Civil Engineer, he has combined technical knowledge and design thought processes with underground construction experience, thereby ensuring the success of design-build partnerships and broadening the capabilities of his company.

KEY PROJECTS:

David Mancini & Sons- July 2011 – July 2014 **Biscayne Point Neighborhood Improvement Project, City of Miami Beach, FL.**

Project Manager for this \$17.7 million neighborhood improvement project. The project began as a standard straight bid unit price contract (\$10.9M) and was converted in to a design-build project by the City after a series of deficiencies with design were exposed and corrected by DMSI thereby adding value to the neighborhood. Project improvements consist of water and stormwater improvements, including pump stations, and above ground improvements to lighting, sidewalks, curb gutter, and roadway.



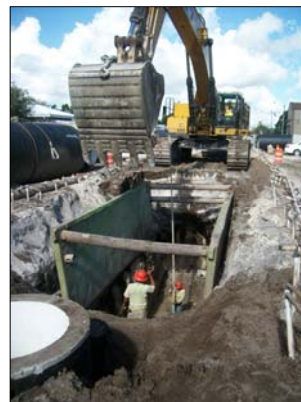
Sunset Islands 1 & 2 Neighborhood Imp. Project, City of Miami Beach, FL.

Project Manager for this \$5.2 million neighborhood improvement project. The project includes water and stormwater improvements, including the renovation of stormwater outfalls and the installation of valley gutters with full roadway reconstruction in a high-end exclusive community. Major challenges to this unit price contract were extensive conflicts with existing utilities and a high water table. Project is ongoing.



GlobeTec Construction- June 2010 – July 2011 **McKinley Street Interceptor Project** **City of Hollywood, FL.**

Project Manager for this \$11.5 million gravity sewer project. Preliminary investigations and utility relocations were critical to ensuring that the 7,460 LF of 66" PCCP gravity sewer could be installed without delay. The project includes two 96" steel casings installations under FDOT and FEC Railroad via sand-shield tunnel. Varying soil and groundwater conditions proved to be the major challenges of this project.



HIGHLIGHTS

Licensed Professional Civil Engineer in the State of Florida, PE#67662

Certified Underground Utility and Excavation Contractor, CUC1224698

11 years experience in underground construction, specializing in Design-Build and HDD.

9 years of Estimating experience on over 100 publicly bid underground and roadway construction projects.

EXPERIENCE

*Vice President
July 2014 to Present
Southern Underground Industries, Inc.*

*Senior Project Manager
July 2011 to July 2014
David Mancini & Sons, Inc.*

*Project Manager
June 2010 to July 2011
GlobeTec Construction.*

*Project Manager/Estimator
Feb. 2005 to June 2010
Ric-Man International.*

*Associate Engineer
May 2003 to Feb. 2005 –
Chen & Associates*

EDUCATION

*University of Florida
Bachelor in Science in
Civil Engineering,
May 2003*

*Belen Jesuit Preparatory
High School, 1997*

TRAINING

*Proficient in Use of:
PROGEN-JOC,
Primavera, MS Excel,
AutoCAD, ArcGIS*

KEY PROJECTS (continued):

***Belcher Road 48" Water Main Replacement
Pinellas County, FL.***

Project Manager for this \$7.5 million water main replacement project. The project included installation of 15,000 LF of 42" DIP and 12"/16" DIP parallel high line in the same trench. The project includes a jack and bore installation of a 60" steel casings under FDOT roadway. Dividing work and MOT into 5 phases and working within 10 ft of existing deteriorating 48" PCCP water main proved to be the greatest challenges of this project.



***Ric-Man International- February 2005 – June 2010
Nautilus Right-Of-Way Infrastructure Improvement Design-Build Project,
City of Miami Beach, FL.***

Project Manager for this \$35 million design/build project. Proposed improvements included storm water gravity and injection well systems, water distribution mains, sidewalks, street lighting, landscaping, milling and resurfacing. Close coordination with the Civil Engineering team member ensured that construction coincided with design production and permit acquisition. A major component of the Project consisted of the installation of 6 drainage pump stations in this residential neighborhood.



***Furnish & Install 20" HDPE Along Rickenbacker Intracoastal Waterway
Bridge, Miami-Dade Water and Sewer Dept., FL.***

Estimator and Project Manager for this \$1.7 million design/build project. Oversaw and reviewed directional drill design and was present to witness all aspects of this 4000 LF directional drill across Biscayne Bay. Worked closely with permitting agencies to accommodate drilling path and methods. Several challenges during this difficult bore proved to be excellent learning opportunities and made the success of this bore most rewarding. Project also included the pipe removal from beneath the Old Bay Bridge.



***Replacement of 48" Force Main Design-Build Project,
Broward County, FL.***

Estimator and Project Manager for this \$4.4 million design/build project. Included over 5,000' of replacement of existing 48" PCCP in DOT ROW relocated and replaced with 48" Ductile Iron Pipe in Broward County ROW. Met aggressive 8 month schedule including design, permits and construction by working closely with Civil Engineering Subcontractor (Chen and Associates). Performed constructability reviews and assisted with permit acquisition. Project included a 48" subaqueous crossing.



***NE 6th Avenue Drainage Improvements,
City of Oakland Park, FL.***

Estimator and Project Manager for this \$3.4 million project which included the installation of over 2,630 feet of 4x6 box culvert. Original design called for the box culvert to be installed vertically which would have resulted in major utility support and massive de-watering. Worked with the Engineer to modify to a horizontal alignment and added an 8" water main as a design-build change order.



***Miami River Crossing, 30" Water Main via Directional Drill,
Miami-Dade Water and Sewer Department, FL.***

Managed this converted design-build project which included installation of 1,000 linear feet of 30" water main which was redesigned from a proposed open cut across the River to be installed via horizontal directional drill, thus eliminating impact to the waterway and park. Personally drafted the proposed directional drill design path and assisted with field operations. Project included associated connections to existing water main and removal of existing 20" water main from the Miami River.



***University of Florida TREC Water and Sewer Improvements,
Homestead, FL.***

Estimator and Project Manager for this gravity sewer system project which included the installation and connection of a package sewer treatment plant. Approximately 1500 linear feet of gravity sewer, lift station, treatment plant, drain field, and water main were installed with minimal impact to research operations. Completion of the project included abandonment of existing septic tanks to satisfy DERM requirements.



***12" Force Main Replacement Design-Build,
City of North Bay Village, FL***

Project Manager for this time-sensitive force main replacement. Damaged section of force main was replaced with new HDPE forcemain installed via Horizontal Directional Drill and connected underwater to existing force main in Biscayne Bay. Personally drafted the proposed directional drill design path and was involved with field operations including underwater inspections.



***Turnpike and Sunrise Boulevard Crossings,
City of Plantation, FL***

Estimator and Project Manager for this Design-Build Utility Relocation Project. Three horizontal directional bores were designed in-house to relocate a sewer force main and a water main across the Florida Turnpike to accommodate impeding widening project. Project also included the design and construction of a 20-inch diameter aerial canal crossing for the force main relocation. As a result of our timely design, permitting, and construction, the City was able to complete the relocations without delaying the Turnpike project.



***24" Water Main Installation Project,
City of Wellington, FL***

Project Manager for the Installation of approximately 6,000 linear feet of 24-inch diameter PVC water main. The project included two major utility crossings and a connection to the City's water treatment plant. Additional duties included preparing and implementing extensive Maintenance of Traffic plans, and assisting with daily field operations.

REFERENCES AVAILABLE UPON REQUEST