

LENNART RUSTAM, P.E.

SUMMARY

Mr. Rustam is an experienced professional engineer whose expertise includes construction, industrial water and wastewater plants, facilities, and structures. Lenny's areas of specialties include project management, construction oversight and cost estimations. Mr. Rustam is well versed in the handling of cases involving construction failures and defects for private and governmental projects.

EDUCATION

Master of Government Administration – Fels Center of Government, University of Pennsylvania

Master of Science in Civil Engineering – Villanova University

Bachelor of Science in Civil Engineering – Villanova University

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer
○ Pennsylvania #PE029232E

PROFESSIONAL ASSOCIATIONS

American Public Works Association
American Society of Civil Engineers

CAREER HISTORY

FORCON International - Civil Engineer

Conducting forensic engineering investigations and provide expert witness testimony for cases involving failures and construction defects for large government and industrial water and wastewater plants, facilities and structures.

Consultant

Provide project management in the construction industry for a large construction firm serving the tri-state area. duties included, negotiating contracts with subcontractors and suppliers, buying out jobs, handling all correspondence and meetings, responsible for job costing, dealing with clients (private and public), estimating, value engineering and overseeing construction crews through project foremen and superintendents. Projects vary from large utility contracts, streetscapes to buildings.

City of Philadelphia, Water Department (PWD) - Philadelphia, PA - Assistant Construction Manager Division Engineer

Direct construction and inspection activities for PWD's plants, facilities and structures through subordinate engineering supervisors. Consult with city, state and federal government officials, contractors, consultants and developers to resolve complex construction problems and ensure compliance with regulatory requirements and contract documents. Streamline operations, staffing and fiscal decisions to maximize project results.

HIGHLIGHTED EXPERTISE

Leadership

- Manage a staff of 45 engineers and technical personnel.
- Direct \$80M capital improvement projects; overseeing 15 - 20 simultaneous projects.
- Recognized for effective hiring, staff management and delegation of authority leading to high retention of employees.
- Conduct training workshops on procedures; train and mentor new employees individually.

FORCON INTERNATIONAL

- Created department's initial Standard Operating Procedures for construction inspection.
- Initiated utilization of data base to track projects and personnel in 1990's.
- Directed citywide PWD utility construction contract workload to assure uniformity, adequacy and accountability of inspection and project management, staff functions and performance.

Negotiation

- Negotiate complex contract issues with national and local contractors; quickly resolved contract disputes.
- Resolve critical construction scheduling and coordination issues, claims, delays and disputes involving Streets Department, Penn Dot, SEPTA, PGW and PECO.
- Negotiate and resolve private developer's issues and concerns.

Consensus Building

- Design and deliver presentations to community groups; exhibiting sensitivity to stakeholder's concerns and achieving buy in for controversial projects.
- Collaborate with consultants and developers on projects.
- Address and resolve issues raised by various councilmanic districts, taxpayers and rate payers.
- Develop and maintain extensive industry contacts within field of expertise to use as resources for best practices and new technologies.
- Respond to media requests concerning project impact on the public.

Construction Management

- Manage large complex tunnel projects utilizing (TBM), \$14M to \$40M.
- Direct construction of Navy Yard utility infrastructure to meet city standards for commercial and residential use and contribute to enhanced marketability of the property.
- Supervised construction management of Vine Street Expressway construction/utility relocation project (\$60M - \$100M) as the City's lead liaison.
- Troubleshoot and generated solutions to respond to complex engineering problems leading to new technical specifications for high pressure water system.

City of Philadelphia, Water Department (PWD) - Philadelphia, PA - Abatement Unit, Project Engineer

- Supervised structural, mechanical, civil, plumbing and HVAC construction at the Southwest Water Pollution Control Plant as part of a Federal Expansion Program.
- Collaborated with EPA and other federal agencies for conformance to federal requirements to ensure participatory funding.
- Assigned field engineers, contractors and consultants; developed and implemented start-up procedures; determined field modifications and approved payment requisitions.

City of Philadelphia, Water Department (PWD) - Philadelphia, PA - Design Branch Project Engineer/Design Engineer

- Planned, analyzed and designed public works facilities, water and wastewater treatment plants, lift stations, storm and sanitary structures, water distribution systems and municipal buildings using computer aided design.
- Wrote technical specifications; performed design calculations; approved shop drawings; prepared contract plans and engineer estimates; supervised design engineers and draftsmen; represented Department at pre-bid meetings.