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M. J. REHMAN, P.Eng., PMP

PROFESSIONAL PROFILE & EXPERTISE

Accomplished project manager with over sixteen years of experience in project and program management of multi-billion dollar infrastructure projects. Confident, drive and tenacity combined with a highly energetic execution profile with a clear understanding of construction and project management principles. Possess hands-on exposure to the full project lifecycle from pre-tender stage to full execution, combined with a thorough understanding of contractual models and legal requirements. Experienced working as a member of **Steering Committee** and member **Board of Directors** overseeing the various functions and governance of the non-profit organization.

- **Project Management:** Plan capital work programs, define scope, lead and manage designs from inception, review and approve consultant assignments, risk assessment, preparation of contract documents, construction management, contract close-out and cost sharing agreements with external agencies.
- **Agile Management** –Commercially astute person with strong negotiation skills and ability to see the bigger picture excelling in business development, strategic planning and growth opportunities.
- **Relationship Building:** Skilled, open and direct communicator possessing valuable experience building strategic relationships with the stakeholders and clients.
- **Industries:** Sound knowledge and experience working in heavy construction including commuter and freight rails, light rail transits, rail grade separations, tunnels, bridges, highways, pilings/caissons, MSE retaining walls and railway maintenance yards /carhouse for car storage.

QUALIFICATIONS & MEMBERSHIPS:

- Currently enrolled in **MBA programme at Strathclyde Business School, UK**, one of the top ranked University in the world with AMBA, AACSB and EQUIS accreditations
- Project Management Professional (PMP) and member of Project Management Institute (PMI), USA
- Professional Civil Engineer registered with Professional Engineers of Ontario (PEO), Canada

PROFESSIONAL EXPERIENCE & ACHIEVEMENTS

TORONTO TRANSIT COMMISSION (TTC), ON, CANADA

Sept 2008- April 2014

Toronto Transit Commission is the third largest public transit system in North America with an annual ridership of over 500 million.

PROJECT MANAGER

April 2011- April 2014

Responsible for new construction and rehabilitation of streetcar/LRT projects for the Toronto Transit Commission (TTC) to keep the 50,000 Double Track Feet (DTF) of surface tracks in state of good repair (SOGP) and ensuring safe operations of TTC's streetcar revenue service. Managed multidisciplinary design teams, internal and external stakeholders, capital program including approval of scope and budget, planning and schedule development of the construction projects. Member Steering Committee overseeing the designs and coordination of construction capital program of various City of Toronto's departments to minimize disruption to public.

- **Queens Quay - LRT :** Managed the design and worked on the multi-million dollar construction of 1.7 km dedicated LRT line on Queens Quay at the Waterfront Toronto. Project involved building new ROW for LRT, tangent and STW, catenary and overheads for traction power, splicing chambers, relocation of utilities and widening of bridge.

http://www.waterfronttoronto.ca/explore_projects2/central_waterfront/queens_quay

- **Cherry Street – LRT:** Managed the construction of a new dedicated LRT line connecting GO Station to King service line. Project involved building a loop for returning streetcars, 700m tangent and the special track work (STW) at Kings street, major relocation of buried utilities, traction power and new splicing chambers.

- **Tangent Projects:** Completed 5 to 7 track replacement projects every year in various part of the City of Toronto ranging from 1500 DTF to 5,000 DTF of tangent projects each. Tangent projects involved reconstruction of new tracks with the retrac method and municipal works as well including replacement of watermain, sewers upgrades, road reconstruction and resurfacing, sidewalk repairs, upgrading traffic signals and modifications to utilities
- **Special Track Works (STW) Projects:** Completed 2 to 3 STW projects every year at various intersections of City of Toronto including grand unions, lubricators, electrical switches with other municipal reconstructions for roads, watermains and services, sewers, traffic signals modification, transit priority loops, and utilities.
- **Loops/Carhouse:** Reconstruction of tracks inside the loops and carhouses for the TTC's streetcar turning back, storage and repair facilities. Projects involve construction of curves, tangent and STW and tangent tracks.

SENIOR PROJECT ENGINEER

Sept 2008 - April 2011

Worked in a program management team for managing over **\$10 billion** LRT projects in the City of Toronto on a **\$1 billion** Sheppard East LRT project to build a new 14 km Light Rail Transit. Scope of work included building a designated track ROW for future LRT, OCS and traction power, substations, signal and communication systems, platforms, road and bridge widening, utilities relocations and a grade separation on GO Transit line. Responsible for managing the multi-disciplinary team consisting of TTC- operations and engineering, various City of Toronto departments, design consultants, and third parties. Involved in development of complex design solutions for roadway and track alignments on a 36m LRT-ROW, relocation of complex network of buried utilities and integration of Urban Design components into the LRT cross-section.

- **Construction Manual:** Prepared the construction manual for the first two projects of Transit City
- **Agincourt Grade Separation:** Completed designs and construction of a grade separation between the existing GO Transit and Sheppard Avenue East road at grade crossing by building an underpass for the future LRT and Sheppard Ave east allowing the Go Transit to cross at the existing level.
- **Sheppard East Maintenance and Storage Facility:** Involved and coordinated with the Sheppard Maintenance Yard design team for preparation of request for qualifications (RFQ) to pre-qualify and shortlist project teams to design, build, finance and maintain a new maintenance and storage facility for new light rail vehicles on the Sheppard Ave.

http://www.metrolinx.com/en/docs/pdf/firstwave/Fact_Sheet_Sheppard_LRT_EN.pdf

HATCH MOTT MACDONALD (HMM), CANADA

APRIL 2004-AUGUST 2008

PROJECT ENGINEER

Worked at Hatch Mott MacDonald at various positions for transit and infrastructure projects.

- **Southeast Collector, York Region, Markham, ON**
Worked as a project control specialist for a **\$500 million** trunk sewer project to build a 15km long tunnel by using 4 earth pressure TBM. Prepared the work plan for approvals and overall project schedule with detailed timelines for pre-engineering, preliminary and final design submissions, procurement, construction and commissioning of the project. Documented project budget, created WBS, assigned resources, implemented cost control procedures, cash flow forecasts, preparing project cost reports, tracking direct and indirect costs and monthly progress reports.
- **Niagara Tunnel Project, OPG, Niagara Falls, ON**
Worked on a **\$1 Billion** EPC project for constructing one of the world largest 10.4km long and 14.4m diameter tunnel to provide additional water from Niagara River to OPG's existing power generating Station to increase power generation capacity. Responsible for monitoring contractor's mining/boring operations and preparing progress reports.
- **GO Transit Rail Improvement Program (GO TRIP), Toronto, ON**
Worked as a construction coordinator in a program management team for over **\$1 billion** GO Transit rail improvement and expansion program in GTA. Managed construction projects including site supervision, representing owner onsite, project control, budget forecasts, progress reports, coordination with consultants, design reviews, liaisoning with railways, public and regulatory agencies.
Selected projects from GO TRIP program management
 - **Barrie- Bradford Tracks Upgrade (GO TRIP)**
 - **Barrie Layover Facility, GO Transit (GO TRIP)**
 - **Barrie South GO Railway Station (GO TRIP)**
 - **Bradford GO Station Platform Upgrade (GO TRIP)**
 - **West Toronto Diamond - Enabling Project GO Transit (GO TRIP)**
 - **Snider Diamond Rail to Rail Grade Separation, GO Transit (GO TRIP)**

- **CN Grade Separation, Ministry of Transportation Ontario, St. Catharines, ON**
Worked on a double mainline, through plate girder (TPG) bridge over the QEW at Sandplant Hill near Niagara Falls. This **\$55 million** project included construction of new structure and temporary realignment of highway connecting Canada to USA. Track protection consisted of H piles with timber lagging, dry drilled tieback anchors and prefabricated whalers.
- **Q.I.T. Railway Bridge Inspection, Havre St Pierre, Quebec**
Visual inspection of 4 bridge structures on a private railway connecting one of the largest Titanium mine in the world to the port. Bridges includes deck plate girders, through plate girders, through trusses, deck trusses and various concrete spans.
- **GO Railway Layover Facility-Site development, Milton, ON**
Site development project for GO layover facility in Milton. Project included subgrading, 300m segmental unit block retaining wall, asphalt roadway, 700m of water main and security fencing. .
- **Beaver Creek Bridge Replacement Project at Alaska Highway# 1, Beaver Creek, Yukon**
Completed **\$5 Million** bridge replacement project on Alaska Highway #1. Replaced the existing bridge with a new 68m span steel plate girder bridge incorporating a concrete deck and integral abutments.
- **Beaver Creek Airport, Beaver Creek, Yukon**
Inspection for runway pavement at Beaver Creek Airport, Yukon on Alaska Highway.

HOLLOWAY PHILP CONSTRUCTION Ltd., MILTON
CONSTRUCTION MANAGER

MAR 2003 – DEC 2003

Construction Manager for a **MTO** bridge rehabilitation project on **Highway 401**. Bridges were post-tensioned, reinforced concrete and steel structural bridges. Project involved deck replacements, jacking bridge, pier and abutment repairs, realignment and pavement of highway.

- **Wellington County Road #36 Bridge on Highway 401, Guelph, ON**
- **Hopewell Creek Bridge on Highway 7, Kitchener, ON**
- **Puslinch Concession Road #7 Bridge on Highway 401, Guelph, ON**

STRUCTURAL TESTING LABORATORY BOCHUM UNI, GERMANY
ASSISTANT ENGINEER

NOV 2000- DEC 2002

- Worked in Europe's largest structural steel testing laboratory
- Analysis and design of steel and concrete structures
- Compiled test results from for the vertical and horizontal load tests and developed reports

RELIANCE CONSTRUCTION, PAKISTAN
CONSTRUCTION ENGINEER

SEPTEMBER 1997- SEPTEMBER 2000

- Design and construction of residential and commercial buildings
- Construction and project management of several school buildings funded by ADB in rural parts of Pakistan
- Completed several World Bank funded Municipal projects for culverts, drainage and sewerage systems

EDUCATION

- Enrolled in MBA programme at Strathclyde Business School, Glasgow, UK **2013-2015**
- Bachelor of Civil Engineering, NED University of Engineering & Technology, Pakistan, **1997**

VOLUNTEER EXPERIENCE

- Worked voluntarily as a Member Board of Directors at Routes Connecting Communities, a non-profit organization, providing free transportation to the needy people with over 12,000 rides annually