



## Curriculum Vitae – Shafquat Ali Aslam

### Education and Professional Qualification

- MS Civil Engineering with specialty in Water Resources Engineering Management, CUST Islamabad, Pakistan, 2019
- MS (Research Option) Thesis on, “*Hydraulic & Financial Comparison of Combined & Separate Systems for a Residential Colony in Islamabad*” Available online via links, [https://thesis.cust.edu.pk/UploadedFiles/MCE161014\).pdf](https://thesis.cust.edu.pk/UploadedFiles/MCE161014).pdf) [https://www.researchgate.net/publication/345171791\\_MCE161014](https://www.researchgate.net/publication/345171791_MCE161014)
- Completed B.Tech(Honors) final year project a study about, “*Retrofitting of Brick Masonry Walls by Wiremesh*”
- B.Tech (Honors) Civil Eng, IUB (BWP), Pakistan, 2015
- B.Tech (Pass) Civil Eng, BZU, Multan, Pakistan, 2010
- DAE 3year Civil Eng, GCT, Bahawalpur, Pakistan, 1988
- Registered as Professional Civil Engineering Technologist, (NTC, Pakistan)
- Award – Honorariums from NESPAK in years, 1994, 1998, 2005, 2009, 2013 & 2015 for standardized construction activities
- Received Appreciation letters in, 1998, 2003 & 2009 for managing vigilant constructional works

### Other Certification

- Attended time to time on site skill enhancement workshops and seminars held by consultants or clients
- CPD Workshop on Flood Assessment Techniques held in CUST Islamabad on 10<sup>th</sup> of Feb, 2017
- Esri Credential for attending webinar “*ArcGIS Online Feature Layer Best Practices*” on 19<sup>th</sup> Aug, 2020.
- Esri Certification for attending 6 weeks MOOC “*Going Places with Spatial Analysis*” completed on 16<sup>th</sup> Sept, 2020

### Expertise and Skills

- Research Competence
- Staff Management, Leadership & Risk Evaluation
- Written and Verbal Communication
- Mentoring, Training and effective Coordination Skills
- Project planning, Contract Administration
- MS Office suite (Word, PowerPoint, Excel etc.)  
AutoCAD, Web Surfing, Satellite Image Processing using Google Earth Pro, USGS-Earth Explorer and GIS

### Technical Abilities

- Highways and Transportation
- Wastewater and Storm Drainage Network Design
- Infrastructure Development Projects Execution

### Nationality

- Pakistani

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### Relevant Experience

Practicing in the field of Civil Engineering with **33 years of total experience** at several important National Projects in Pakistan

- Served for 10 months as Planning Engineer with SBL-NLC JV.
- Served for **4 years** as Resident Engineer with **Al-Jadid Consultants (Pvt.) Ltd**
- Experience of **26 years** as Resident Engineer, Assistant Resident Engineer, Quantity Engineer, Civil Inspector and Structure Inspector with Internationally Reputable Consultants Firm, **NESPAK (National Engineering Services Pakistan) (Pvt.) Ltd**
- Experience of **2 years** as Junior Engineer with **AZCO (Pvt.) Ltd. (Azhar Zaidi & Co) Contractors,**
- Substantial experience to handle, manage and deliver major **highways and infrastructure** projects in hilly and plain terrains according to international standards
- Significant ability to **Design Sewerage and Drainage networks** for highways and infrastructure projects
- Remarkable project estimation, quantification and scheduling capability
- Familiar with FIDIC and local forms of contracts

### Career Achievements

- Worked as Planning Engineer with NLC-SBL JV for the Construction of Additional Block at Pakistan Engineering Council (PEC) Headquarters G5/2 Islamabad.
- As Resident Engineer administered construction of Labor colony located in Zone -V Islamabad with **Al-Jadid-NESPAK joint venture for 1.5 billion PKR (\$9.5 million)** Infrastructure project. The scheme was spreaded over an area of 76 hectares (1500 Kanals) and comprised of G+3 apartment blocks (1024 Flats) and 500 houses along with community centers, Mosques, Parks/Playgrounds, School buildings, MI (Medical Investigation) Room. Project Clients were **WWF (Workers Welfare Fund)**. Substantial completion of the said project was achieved.
- As Resident Engineer with **NESPAK** managed rehabilitation and reconstruction of **50 No of roads, bridges and numerous government buildings** affected due to earthquake (8th Oct 2005) situated in Abbottabad, Mansehra, Bttagram, Kohistan and Shangla Districts of KPK Pakistan for **9 billion PKR (\$100 millions)**. The project was mainly funded by **WBG, ADB, KFW, JICA, and GOP.**

- As Assistant Resident Engineer, Quantity Engineer, Civil Inspector and Structure Inspector with **NESPAK** accomplished for the **20 billion PKR (\$200 million)** various National highways, Farm to Market roads including flyovers, underpasses, bridges, culverts and drainage structures in Pakistan according to **ASTM, AASHTO** and **BS** standards. Most of the projects were funded by **ADB** and **GOP**, where clients of the projects were **NHA, MLG&RD** (Ministry of Local Government & Rural Development), **C&W, PIEDM** (Punjab Industrial Estates Development and Management), **MC** (Municipal Corporation) Faisalabad, **LDA** (Lahore Development Authority) and **District Council Bahawalpur**.

### **Career Summary:**

#### **OBA-GT JV Contractors. Islamabad, Sept, 2021 Till date.**

#### **Position – Deputy Project Manager/Construction Manager**

#### **Duties & Responsibilities:**

- Organized and stream lined construction activities of already on-going **Federal Government Employees project, PHASE-VI (Bhara Kahu Housing Scheme & namely ‘Green Enclave-I’) Islamabad**. The project client is **FGEHA** and consultants are **NESPAK**, where its **cost is 5558.98 million PKR**. The infrastructure project is spread over an area of **3375 kanals** and consists of **3268 numbers of multi sized plots**. Land use distribution of the project area holds 47.5% of residential, Roads 27.2%, Parks/Greens 15%, Public Amenities 3.5%, Commercial 4.8% and Graveyard 2%. At the main entrance of project towards Murree Expressway four span 150m long dual bridge of 8.50m width per lane at Korang stream is completed. Road network construction including 5 Nos of overhead tanks (0.1-million-gallon capacity each) and 5 Nos of underground water tanks (0.25-million-gallon capacity each) along with complete water supply network, separate sewer system, gas, electric supply net and sewerage treatment plants is underway.
- Whole time scheduling and monitoring of various project components.
- Made arrangements to boost progress according to approved timeframe.
- Full time coordination with client, consultant and construction team to put right progress and quality related issues.
- Time to time consulted with project manager for the future requirements of the project materials to avoid any kind of progress interruption.
- Analyzed daily, weekly and monthly progress reports.
- Participated daily/ weekly meetings with client, consultant regarding progress and planning.

#### **NLC-SBL JV Contractors. Islamabad, Sept 2020 to June 2021.**

#### **Position – Planning Engineer**

#### **Duties & Responsibilities:**

- Responsible for Planning, control and progress monitoring for **Construction of Additional Block at Pakistan Engineering Council (PEC) Headquarters G5/2 Islamabad**. PEC project consultants are **NESPAK** and cost is 1310.79 million. The project was comprised of two basements and nine stories above ground level. To achieve foundation level of 2<sup>nd</sup> basement level and foundation piles cutoff 301 no’s secant piles were provided on all four sides of rectangular shape plot of size 174ft x 126ft (**125 no’s hard piles + 124 no’s soft piles of 600 mm dia + 31 no’s hard piles of 1000 mm dia + 21 no’s hard piles of 1200 mm dia**) ranging from **15m to 18m depth**. After completion of secant piles 3 layered anchoring plus stressing could be carried out and construction of **77 no’s foundation hard piles** would be possible to construct frame structure of entire building.
- Full time planning and monitoring of secant pile activities.
- Made plans to enhance progress according to approved work schedule timelines.
- Coordinated with client, consultant and project construction team to resolve progress and quality related issues.
- Responsible for coordinating with project manager for current and future requirements of construction materials, so as to keep project activities uninterrupted.
- Prepared all necessary submittals regarding all kinds building materials, accessories/equipment either imported or local items to ensure completion of sequential building activities.

- Reviewed and prepared daily, weekly and monthly progress reports.
- Attended daily/ weekly meetings with client, consultant and piling sub-contractor to make certain daily project tasks for timely completion of deep excavation support system.

**Al-Jadid Associates Consultants (Pvt.) Ltd, Islamabad, Pakistan July 16 to Aug 20**

**Position – Resident Engineer**

**Duties & Responsibilities:**

- Responsible for managing and supervising all kinds of multifamily building construction activities, Single Storey houses and government/public buildings from foundation up to roof including all kinds of utilities and finishing works at **WWF Labor colony Zone-V Islamabad**. Also monitored site Development Works including roads, walkways, water supply, electricity, Gas, sewerage, and surface drainage.
- Full time supervision of the construction activities and acted as liaison on behalf of the consultant between contractors, clients for improvement of work quality and progress according to given specifications. Assisted **NESPAK** for the design and improvement of sewer and storm drains network.
- Executed engineering surveys for infrastructure construction.
- Responsible for coordinating all drawings with work being done in the field and discussing any changes with those involved to ensure execution of work as planned.
- Managed contractors' performance through engineering surveillance and analysis to ensure all work was performed in accordance with contract administration policies.
- Managed field team of assistant resident engineer, office engineer, field inspectors and material testing crew.
- Holding of Progress Review Meetings, preparation of monthly progress reports, highlighting the financial aspects and obstacles. Developed and issued daily reports and weekly progress photos for headquarter project management and client.
- Recommended approval/disapproval of material and conducted material tests for compliance with specifications and applicable codes.
- Maintained, reviewed and monitored construction documents. Approved contractor's project plans and submittals including quality control plan, shop drawings, as built drawings, payment verification, claims, site inspections and request of information.

**Achievements:** The project was substantially completed with excellent quality and appreciated from the Client.

**NESPAK, D.M.R. Division, Pakistan May 10 to June 16**

**Position – Resident Engineer**

**Duties & Responsibilities:**

- Deputed for the construction supervision of various Flexible/Rigid Pavement Roads, Bridges & Buildings (Rehabilitation/Reconstruction) projects situated in high altitude areas of **Districts Abbottabad, Mansehra, Kohistan & Shangla damaged as a result of Oct,2005 Earth Quake**.
- Monitored inspection team performance, recorded daily construction activities and reviewed all material certifications, material sampling, and material test results in accordance to given specifications and codes of practice for better construction management, quality assurance. Resolved difficult technical/sensitive issues, requiring continual travel on critical support items employing strong project management skills.
- Ensured standardized working drawings and specification sheet formats across contractors/sub-contractors to improve construction quality of block works, masonry, roofing work, finishing works for several new and existing government, public buildings.
- Prepared quality/ inventory reports of various roads to propose new or mend existing Bridges, R/Walls, Breast Walls, Cause Ways, Irish Crossings, Pipe Culverts and Stone Masonry Culverts.
- Prepared retrofitting and new construction costs estimates to compare for the possibility of improving existing building, road structures or construction for brand-new.
- Reviewed the construction schedules of different roads and buildings projects submitted by the contractors, quantitative measurement processing and evaluation of bills and claims and project time extension cases.
- Coordinated project management, site management and contract specialists to identify potential contract deviations, non-conformances or scope gaps.
- Prepared daily inspection reports, identifying variances to planned work and report problems/issues to supervisors. Generated daily, weekly and monthly progress reports for client and consultant headquarters.

**Achievements:** Some project pockets were finally completed and handed over to client while a few substantially completed keeping in view quality standards. Received appreciation letter on Aug, 2009 from Vice President (Coordination) and honorariums (cash prizes) on Oct, 2013 & Sept, 2015 from General Manager/Head (Coordination), Chief of Administration NESPAK central office. Also earned long service reward in March, 2016.

**NESPAK, E.P.H.E. Division, Pakistan Jan 08 to May 10**

**Position – Assistant Resident Engineer (structure & highway)**

**Duties & Responsibilities:**

- Served for **Infrastructure Development of Industrial Estate Phase-II Multan** (Road network of 52000 RFT, installation 73000 RFT of 3inch to 8inch dia water supply lines, 3000 RFT 9inch dia sewer lines, construction of 4 No's Overhead Reservoirs of 100000 Gallons capacity each, 62000 RFT multi size PCC, RCC storm drains, 35 No's of culverts and 4 No's of Pump Houses). The project area was comprised of 667 acres (5336 Kanals) of land. The cost of project was **474 million PKR** but after revision it was increased up to **888 million PKR**.
- Responsible for administration of construction contract works, and assisted the RE with prompt exchange of correspondence, submittals, and RFI's to all contractors.
- Oriented, assigned, and supervised the construction inspection staff on a daily basis so that all contractor activities are adequately covered.
- Supervised and remained vigilant regarding all aspects of the construction activities. Responded with appropriate and necessary levels of construction supervision to provide quality assurance in accordance with contract documents/specifications.
- Reviewed the contractor's progress at all times. Monitored the material incorporated in the work, the materials stored at the site, and the contractor's manpower and equipment.
- Calculated reinforcement quantities for all masonry and concrete members according to the construction documents/drawings.
- Reviewed inspector's daily reports and preparation of engineer's daily diary, and general oversight of inspector's daily activities including works assignments, on-site performance, and guidance on the supervision of the contractor's operations.
- Prepared punch lists and remaining works lists for substantial completion of project.
- Attended weekly, monthly, and other progress meetings held at the site as required by the CRE. Identified constraints and recommended corrective measures.

**Achievements:** The project was substantially completed.

**NESPAK, H&T.E. Division, Pakistan Oct 07 to Jan 08**

**Position – Assistant Resident Engineer (structure & highway)**

**Duties & Responsibilities:**

- Monitored construction of new **dual bridges (L = 1170 m each, 26 spans) over River Chenab at Sher Shah (N-70) Multan**, including 1.5 km approach roads on either sides. The project Cost was **850 million PKR** and the client **NHA**. The bridge connects the provinces of Baluchistan and Sindh with Punjab.
- Watchful regarding all aspects of the supervisory staff activities like pile boring process by Reverse Rotary and Percussion methods, bore log preparation, steel fixing, cage lowering, steel liner fixing and pile concrete pouring, including laying, compaction, and brooming of W.B.M inclusive of Prime Coat application and Asphalt pavement activities at bridge approaches.
- Monitored progress and quality issues related to steel fixing, fixing shuttering and concrete pouring activities of pile cap, pier columns, transoms, D/Slabs and Girders, including pre-stressing of girders by Strong Hold method, launching.
- Attended meetings and coordinated with RE, Clients, contractor's supervisory personnel regarding schedule sequence, method of work and quality assurance so as to maintain desired work progress pace and project cost as well. Collaborated between designers and the contractors about the implementation of detailed structural drawings.

**NESPAK, H&T.E. Division, Pakistan      Dec 04 to Oct 07**

**Position – Assistant Resident Engineer**

**Duties & Responsibilities:**

- Worked as ARE (Structure) at **Okara Bypass Project** (construction of **4 Lane Expressway 12.5 km length at N-5**, along with service roads on either side including 10 under passes, one cloverleaf interchange, one canal bridge, 250 pipe culverts and toll plaza plus residential Facilities near **Gamber Okara**). The project client was **NHA**, which built on **BOT** (Build-Operate-Transfer) for **625 million PKR**.
- Monitored construction activities of substructure (Reverse Rotary boring of 0.75 m Ø cast in situ piles, well logging, pile load test, SPT test etc.), superstructure (from foundation caps up to deck slab, wing walls, steel liner fixing for column, deck expansion joints, bridge approaches and protection works etc.) of bridges, under passes, interchange, pipe culverts including steel cutting/binding, cage lowering, fixing shuttering, all classes of concrete pouring, fixing of parabolic tendon profile, pre-stressing and launching of girders according to specified drawings, design and applicable Codes.
- Checked ancillary works (curb stones installation, casting and fixing of R.C.C fence posts on either side, fixation of barbed wire, erection of galvanized steel guard rail, traffic/gantry sign posts, cat's eyes, monuments, double arm/triple arm electric poles) as well as pavement marking and horticulture works at center median green belt in entire length of expressway, at traffic islands and in toll plaza area.
- Checked ancillary works (curb stones installation, casting and fixing of R.C.C fence posts on either side, fixation of barbed wire, erection of galvanized steel guard rail, traffic/gantry sign posts, cat's eyes, monuments, double arm/triple arm electric poles) as well as pavement marking and horticulture works at center median green belt in entire length of expressway, at traffic islands and in toll plaza area.
- Responsible for the construction of flexible pavement (T.S.G, sub-base, A.B.C & Asphalt courses activities) at approach roads and rigid pavement (lean concrete, B-class concrete, sand laying fixing of tuff tiles in 100 m width & 500 m length) at toll plaza area along with construction of 8 no's R.C.C toll islands which were constructed for installation of toll cabins over it.
- Monitored construction of toll plaza admin building, generator room in all respect, fabrication of toll plaza steel frame structure (erection of vertical steel columns, horizontal steel I-Beams launching, trusses fixture, fiber canopy ceiling) and fixation of toll booth cabins with split A/C, flexible delineators, drainage provision in canopy roof, automatic barriers, canopy lights & Panaflex fascia boards, also coordinated with electrical engineer for whole electrical works.
- Regular communication with all project stakeholders regarding quality assurance, progress and contract relating issues along with preparation of progress reports, as built drawings, and punch lists, remaining works lists for substantial completion of project. Aligned the construction inspection staff on a daily basis so that all contractor's activities could be suitably wrapped up.

**Achievements:** The project was finally completed and handed over to the Client (NHA). Acquired honorarium (cash prize) on Aug, 2005 from Vice President/Deputy Managing Director NESPAK central office for excellent and high standard construction work.

**NESPAK, H&T.E. Division, Pakistan      Sep 03 to Dec 04**

**Position – Assistant Resident Engineer (highway)**

**Duties & Responsibilities:**

- Engaged for rehabilitation and widening of **Sahiwal to Multan ECW** (Existing Carriage Way) **N-5** road (L = 100 Km in various patches) for **600 million PKR**. Project client was **NHA** and the contractors **SAMBU Construction Company Korea**.
- Monitored benching process for widening and strengthening of existing road at inner, outer shoulders by excavating trenches and compacting it layer wise up to TSG (Top of Subgrade) besides asphalt scarification at existing main-carriageway and laying, compaction of flexible pavement layers (sub-base, aggregate base course, tack coat, prime coat, asphaltic base course & asphaltic wearing course).
- Advised inspection and survey teams to maintain, longitudinal, transverse gradient at straight stretches of highway and super elevations at curves according to given design, drawings by using straight edges as well as auto levels so to achieve excellent riding quality.
- Reviewed project progress reports and motivated contractor, consultant staff to improve work pace, quality. Assisted RE and Project Manager to maintain desired work progress and project cost as well in compliance with contract documents and relevant codes of practice.

- Supervised construction inspection staff involved at bridges for pile foundation drilling by Percussion Method, steel cutting/binding, cage lowering, concrete of piles, pile load test, fixing shuttering and Class-D concrete pouring of pre-stressed girders in accordance with approved drawings, standards.
- Regularly joined in meetings and coordinated with RE, Clients (NHA) and Contractor (NLC) to improve and maintain quality, work progress

**NESPAK, H&T.E. Division, Pakistan      June 02 to Sept 03**

**Position – Assistant Resident Engineer (highway)**

**Duties & Responsibilities:**

- Responsible widening and strengthening of **Bewata to Khajuri N-70 (Baluchistan)** road Project. Length of project was 90 Km and cost was **550 million PKR**.
- Monitored roadway construction including bridges, culverts, retaining walls, breast walls and offsite or onsite material sampling, testing as per established codes of practice.
- Managed traffic & load counting reports for standardized road widening.
- Always coordinated and cooperated with RE to maintain desired work progress pace ensure, qualitative construction and project cost as well.
- Regularly attended meetings along with RE, Clients (NHA) and Contractor (NLC) regarding quality assurance and progress relating issues.
- Regularly attended meetings along with RE, Clients (NHA) and Contractor (NLC) regarding quality assurance and progress relating issues.

**Achievements:** Received entire team appreciation letter on Aug, 2003 for skillful construction supervision activities from Project Coordinator/Project Manager NESPAK, General Manager (Construction) NHA along with Managing Director NESPAK.

**NESPAK, H&T.E. Division, Pakistan      April 02 to June 02**

**Position – Assistant Resident Engineer (highway)**

**Duties & Responsibilities:**

- Responsible rehabilitation and widening of **Faisalabad** city roads. Project cost was **2000 million PKR** and client **Municipal Corporation Faisalabad**.
- Monitored roadway construction including offsite or onsite material sampling, testing as per specified codes of practice.
- Reviewed and evaluated contractor RFI's for approval of site activities and materials.
- Coordinated with RE, client and contractor to maintain appropriate work progress and project cost as well.

**Achievements:** Received long service reward after completion of 10 year service on May, 2002 from Managing Director NESPAK.

**NESPAK, H&T.E. Division, Pakistan      March 98 to April 02**

**Position – Assistant Resident Engineer (structure & highway)**

**Duties & Responsibilities:**

- Appointed for the widening and reconstruction of **MNJ (Mansehra-Narran-Jalkhad, at altitudes 2500 ft to 8500 ft) Road N-15 (L = 160 Km)** for **2 billion PKR**. The project client was **NHA**.
- Monitored rock (hard, medium, soft) blasting operation, excavation of soft materials and material classification (before and after roadway excavation) to choose suitable, stable cut slope for side or box hill cut including provision of benching terraces to avoid landslides.
- Inspected construction of stone masonry culverts, retaining walls, breast walls, multi shape side drains, low-level causeways, gabion protection works, including steel cutting/binding, concrete pouring, fixing shuttering activities and preparation of bar bending schedules.
- Prepared inventory reports for structures (to restore existing or new proposal) and formed punch lists for substantial completion of works before final handing over of project to client. Also checked contractor's Interim payment certificates (IPC's).
- Reviewed construction of pavement structure activities and structural backfilling along with pavement marking and traffic sign posts erection.

- Responsible for construction of 3 span bridge of 120-meter length over Ichar Nullah near Mansehra including steel checking and concreting of spread footing foundations, erection of steel anchors in rock bed, columns, cantilever type transoms, pre-stressed girders casting & launching.
- Reviewed the contractor's progress at all times. Monitored the material incorporated in the work, the materials stored at the site, and the contractor's manpower and equipment.
- Oversaw all construction activities in compliance with given drawing, specifications and standard code of practice. Maintained site records and attended meetings together with RE, Clients (NHA) and Contractor (FWO) regarding quality assurance and work progress matters.

**Achievements:** Received honorarium (cash prize) on Aug, 2005 from Vice President/Deputy Managing Director NESPAK central office for excellent and high standard construction supervision. The project was substantially completed.

**NESPAK, H&T.E. Division, Pakistan      June 96 to March 98**

**Position – Highway & Structure Inspector**

**Duties & Responsibilities:**

- Served as **Structure Inspector** for construction of 5 Bridges at **DG Khan-Quetta road N-70**. The bridges were located at DG Khan (Dera Ghazi Khan) canal (L=50 m) and at hill torrents, Sakhi Sarwar (L=325m), Mithawan (L=350 m), Rakhi Munh (L=500 m) and Girdu (L=90 m). Project cost was **400 million PKR** and the client **NHA**.
- Supervised RCC piling (1.20 m Ø & 25 m deep, drilling by Percussion Method) , erection of steel liners for columns, steel binding/bending/fixing, shuttering & concrete pouring activities of pile caps, columns, transoms, abutment curtain walls, wing walls, deck slabs, walk ways, barriers & approach slabs including curing by using curing compound and preparation of bar bending schedule.
- Inspected casting of pre-stressed concrete girders as well as, parabolic tendon profile adjustment, post-tensioning, injection of grouting & launching.
- Executed the quality tests of materials likewise gradation, blending, fineness modules, Proctors test, mix designs for different classes of concrete at site lab. Also checked concrete slump tests at various occasions and crushing strength of sampled cylinders from different structure parts for 7 days and 28 days.
- Checked the earthwork, sub grade, sub base, WBM, laying & compaction activities at bridge approach roads and backfilling of structures with rock, sand and suitable common material.
- Supervised construction of grouted ripraps near bridge abutments to secure bridge backfilling and approach roads against erosion.
- Participated for the compilation of BOQ and all site records/reports, also liaised with construction management team for the betterment work quality according to given drawings and specifications.

**Achievements:** Attained appreciation letter on Feb, 1998 for qualitative work from Resident Engineer NESPAK DG Khan 5 Bridges project & honorarium (cash prize) from Vice President (Coordination) NESPAK central office on Sept, 1998 for excellent and standardized supervision of construction activities. The project was successfully handed over to the Client (NHA).

**NESPAK, H&T.E. Division, Pakistan      April 96 to June 96**

**Position – Civil Inspector**

**Duties & Responsibilities:**

- Deputed for the construction of ACW (Additional Carriage Way) from **Pattoki – Okara Section N-5** of **50 Km** length. The project was ADB funded for **800 million PKR** and the client **NHA**.
- Checked & supervised GMP (Granular Material Platform) laying & compaction activities in various water-logged locations of ACW including construction of flexible pavement structure.
- Maintained all types of necessary site records and daily, weekly & monthly progress report.
- Frequently attended meetings with ARE, RE, clients (NHA) and contractor for quality assurance and progress pace issues.

**NESPAK, H&T.E. Division, Pakistan**      **Sept 95 to April 96**

**Position – Structure Inspector**

**Duties & Responsibilities:**

- Worked as **Structure Inspector** at Ferozepur Road Underpass in Lahore City. Project cost was **174 million PKR** and the client **LDA**.
- Checked & supervised pile boring of 750 mm diameter by Reverse Rotary Method including cage lowering, concrete pouring activities, also maintained borehole records.
- Checked the steel binding fixing shuttering & monolithic concrete pouring activities of pile caps along with 900 mm thick Underpass Deck Slab and RCC retaining wall projected on either sides of underpass to retain embankment of slip roads.
- Witnessed all tests of concrete and steel to ensure compliance with specifications and relevant codes.
- Inspected the ongoing construction of temporary and permanent works to ensure compliance with the Contract Documents and approved shop drawings and submittals.
- Held Meetings with contractor staff at the beginning of each shift to determine what work is scheduled and who is on site. Assisted with project team for the preparation of monthly Project Status Report.

**NESPAK, H&T.E. Division, Pakistan**      **Aug 94 to Sept 95**

**Position – Civil Inspector**

**Duties & Responsibilities:**

- Worked as **Civil Inspector** at **Farm to Market Roads** Project in District Sialkot. There were 12 No's of roads in mentioned district with average length of 12 km each. Entire project cost was around **350 million PKR**. The project was funded by **ADB**.
- Verified the survey works before starting construction activity such as detection of major/minor control points, centerline tracking, X-sections of NSL before and after clearing grubbing, TBM (temporary benchmarks) set up.
- Inspected the earthwork and pavement structure activities including necessary field testing and layer wise levelling (to maintain vertical, horizontal alignment and super elevation).
- Performed material testing such as gradation, blending of aggregates, moisture content & soil classifications at site labs of various roads as per ASHTO, ASTM standards.
- Monitored the construction of Brick Masonry culverts including steel binding, fixing shuttering and concrete pouring activities of bedplates & deck slabs.
- Conducted weekly meetings with project management team and published a daily report about detailed project status, site conditions, available manpower and equipment. Multitasked and stayed organized under pressure.

**Achievements:** The project was extensively completed.

**NESPAK, H&T.E. Division, Pakistan**      **Sept 90 to Sept 95**

**Position – Civil Inspector**

**Duties & Responsibilities:**

- Worked as **Civil Inspector** at **Farm to Market Roads Project**, Faisalabad, Toba Tek Singh and Jhang Districts. There were 24 No of roads in mentioned Districts with average length of 10 km each. Entire project cost was around **300 million PKR**. The FMR project was funded by **Asian Development Bank**.
- Prior to start construction works of various roads conformed geometric design requirements likewise location and detailed surveys.
- Carried out inspections for embankment and pavement construction process including horizontal and vertical alignment, compaction (using vibratory rollers, Sheep foot rollers), onsite or offsite civil/structural tests to achieve the quality of construction required in the drawings and specifications.
- Reviewed the construction of RCC culverts from lean concrete up to deck slab including layout, grades and elevations, steel binding and fixing, shuttering activities.
- Assisted for preparation of BOQ (Book of Quantities) and shop drawings, as-built drawings.
- Ensured the delivered materials and equipment are the correct product from approved vendors.

- Verified measures of works completed and prepared regular reports on the progress vs programme.
- Reviewed and prepared responses to contractor's submissions (i.e., Method Statements, RFIs etc.). Interfaced with clients and contractor's staff to determine and verify project requirements
- Reviewed the QA/QC documents of the project including certificates, calibration, test results, inspection requests, non-compliance reports and site instruction/observations in liaison with the RE / Materials Engineer.

**Achievements:** The project was finally completed & handed over to the Client (MLG&RD).

**AZCO (Pvt.) Ltd. (Azhar Zaidi & Co), Contractors, Pakistan Aug 88 to Sept 90**

**Position – Junior Engineer**

**Duties & Responsibilities:**

- Worked with **AZCO (Pvt.) Ltd.** Govt. Contractors for construction of School Buildings, Water supply, Sanitary Schemes in rural areas of **District Bahawalpur**. Project cost was **50 million PKR**.
- Supervised the activities of sub-contractors such as site surveys, layout and installation of main water supply lines, sanitary pipe lines, pipe jointing, and construction of manholes, casting of manhole covers, septic tanks, soakage pits/wells.
- Provided technical support to sub-contractors involved for the construction of primary school buildings like excavation, foundations, brick masonry, roof slabs concrete, floor work, fixation of door, electrical wiring, sanitary works including finishing.
- Updated usage and availability of materials daily to avoid backlogs.
- Direct day to day interface with client and provincial and federal inspection teams. Provided supporting documentation and participate in the Construction progress meetings.
- Ensured all work carried out is in compliance with Quality and Site Safety requirements at all times.
- Visual inspection on the surface condition of concrete works in order to identify any damages, such as cracking and delamination. Also prepared and processed I.P. C's (Interim Payment Certificates).
- Maintained work packages, resolved conflicts and issues, removed all road blocks to ensure a successful project completion. Supervised, pipefitters, ironworkers, carpenters, laborers, electricians, and painters.

