

1. Proposed Position	
2. Name of Firm	An-Najah National University
3. Name of Expert:	Amjad Z. Issa
4. Date of Birth:	27/3/1976 Nationality: Palestinian

5. Education:

Ph.D., Civil Engineering, University of Nantes, Nantes, France, 2016.
M.Sc., Civil Engineering/Highway and Transportation Engineering, An-Najah National University, Nablus, West Bank, 2006.
B.Sc., Civil Engineering, An-Najah National University, Nablus, West Bank, 1999.

6. Membership in Professional Associations:

Engineers Association, Jerusalem Center

7. Countries of Work Experience:

- Palestine
- France

8. Language Skills: and Arabic

- English (Speaking, Reading, and Writing)
- Arabic (Native Speaker)

9. Courses taught:

- Transportation Systems I.
- Transportation Systems II.
- Transportation Systems III.
- Astronomy.
- Surveying for Building Engineering.
- Surveying for Architectural Engineering.
- Surveying for Planning Engineering.
- Surveying for Geography
- Advanced surveying for Geography.
- Advanced Road Design.
- Advanced Pavement Design.
- Pavement Design and Analysis.
- Pavement Management Systems.
- GPS for Geomatics (Surveying Engineering).
- Astronomy for Geomatics (Surveying Engineering).
- Principles of Scientific Research and Technical Writing.
- Integrated Transportation-Land use Planning.
- Computer Science and Skills.

10. Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact inform for references	Country	Summary of activities performed relevant to the Assignments
2016-Present	<p>Positions: Associate Professor Director of Construction and Transportation Unit Employing Organization: An-Najah National University Reference: Prof. Abdel Naser Zaid (President) Tel.: 092345115 Fax: 092345982</p>	Palestine	<ul style="list-style-type: none"> • Participating in leading, managing, facilitating, and coordinating several studies related to development of SDIPs for different NGOs and LGUs. • Transportation, Infrastructure and Environmental Specialist: Preparation of SDIP for 27 municipalities for the benefit of MDLF. • Conducting studies and research on roads, pavement maintenance management, planning, and infrastructure. • Teaching civil/planning/ and building engineering, roads/buildings and transportation courses for graduate and undergraduate students.

		<ul style="list-style-type: none"> • Supervising graduation projects concerning developing of pavement management systems in specific municipalities. • Evaluation and assessment of existing pavement distresses in Jaba' and Sanour internal roads. • Evaluation and assessment of existing pavement distresses in Nablus for about 30 km of main roads. • Supervising Master students (pavement management, GIS, and mobile applications). • Team Leader for package IV -Area C-design and implementation infrastructure projects • Road expert for updating Talfit master plan. • Road expert for updating Beit Sahour master plan. • Road and infrastructure expert for Battir, Al-Walaja, Qalandia, etc. • Infrastructure expert for rehabilitation of Beit Al Rosh earth dam-Dora, Hebron governorate. • Team leader for Consultancy Services for Support in preparing Fixed Assets Registration & Valuation (FARV) Reference Number: 2.1.7.A3.
<p>2010-2013</p>	<p>Positions: Infrastructure specialist, Municipal Engineer/Team Leader, Senior Roads Engineer, Facilitator, Pavement Engineer.</p> <p>Employing Organization: Universal Group for Engineering and Consulting</p> <p>Reference: Eng. Imad Kanaan Managing Director Tel.: 092383281/2 Fax: 092383280</p>	<ul style="list-style-type: none"> • Lead and manage overall project processes. • Follow up with the experts and ensure quality deliverables. • Manage and supervise all correspondence with the Client. • Attend meetings with both Client & the LGUs representatives. • Lead the team in following up the project processes and the accomplishment of milestones based on the time schedule to ensure that project processes are running smoothly and timely. • Follow up with the roads engineers, manage their work, and ensure quality deliverables and outputs of roads database and updated fixed assets registration data. • Participate in planning infrastructure projects • Participate in preparation of O&M Manual including maintenance plans for roads. • Lead in the review of the design and in the follow up of the implementation of road rehabilitation and maintenance works. • Lead building the capacity and training of local government unit's staff in the registration of fixed assets. • Prepare of design drawings and tender documents including (drawings, bidding documents, BOQ, and specifications). • Supervise and follow up the construction works. • Review all contractor submittals such as shop drawings, work schedule, reports, and as-built drawings, • Make sure that all required laboratory tests and quality control measures are done in a professional manner and provide scientific and engineering opinion on them. • Review the contractor invoices. • Follow-up of construction schedule • Check the quality of works executed by the relevant contractor • Check the quality of materials in accordance with the contract specifications • Assessment of Contractor's performance • Support in reporting, and finalization of required outputs.

		<ul style="list-style-type: none"> • Report and discuss the assessment progress (and result later on) regularly with the stakeholders. • Supporting the LGUs in various stages of project development implementation. • Project planning and scheduling • Participate in producing the requested deliverables and progress and final reports. • Participate in the main workshops and meetings. • Represent the team in front of the Clients (such as the MDLF) and LGUs representatives.
2009-2010	<p>Positions: Project Manager, Infrastructure Needs Program, USAID funded project, Task Orders; 14, 34 & 41.</p> <p>Employing Organization: International Relief and Development (IRD).</p> <p>Reference: Eng. Naim El-Mani Chief of Party (COP) International Relief and Development (IRD) Tel.: 022950206 Fax: 022950208</p>	<ul style="list-style-type: none"> • Lead and manage the overall project processes • Manage and supervised all correspondence with the Client. • Attend meetings with both Client & the LGUs representatives. • Monitor the progress of project processes and the accomplishment of milestones based on the time schedule to ensure that processes are running smoothly and timely. • Provide technical direction, guidance and oversight on all project activities. • Produce all required weekly/monthly/ closeout reports and project documents, not limited to status reports, variance reports, cash flow projections, payment requests, material submittals, etc. • Monitor project schedule and budget and ensure all works are executed according to specifications, contracts and schedules. • Responsible for the successful execution of all construction activities, including Quality Control, Safety, Environmental Compliance, etc. • Meet with IRD and client staff as required. • Working on the pre-construction submittals (work method statement, traffic plan, construction time schedule, environmental management and mitigation plan, risk management plan, etc..).
2008-2009	<p>Positions: Quality Control Manager, Infrastructure Needs Program, USAID funded project, Task Order 3, Phase IV.</p> <p>Employing Organization: International Relief and Development (IRD).</p> <p>Reference: Eng. Naim El-Mani Chief of Party (COP) International Relief and Development (IRD) Tel.: 022950206 Fax: 022950208</p>	
2007-2008	<p>Positions: Team Leader, Area Engineer</p> <p>Employing Organization: Universal Group for Engineering and Consulting</p> <p>Reference: Eng. Imad Kanaan Managing Director Tel.: 092383281/2 Fax: 092383280</p>	
2003-2007	<p>Positions: Area Engineer</p> <p>Employing Organization: United Nations Development Programme (UNDP), Programme of Assistance to the Palestinian People</p> <p>Reference: Mr. Khaled Shahwan. Deputy Special Representative United Nations Development Programme (UNDP) Tel.: 026268200 Fax: 026268222</p>	<ul style="list-style-type: none"> • Technical support to municipalities and LGUs as required. • Check the quality of works executed by relevant contractors. • Check the quality of materials in accordance with the contract specifications. • Check the quantities and endorse the invoices submitted by the contractors for executed works. • Follow up of the time schedule, requests, claims, checklists, shop drawings, etc. • Report to all concerned UNDP supervisors through issuing Daily, Weekly, and Monthly Reports. • Monitoring the implementation of projects and reporting on indicators
1999-2003	<p>Positions: Civil Engineer</p> <p>Employing Organization: Universal Group for Engineering and Consulting</p> <p>Reference: Eng. Imad Kanan</p>	

Managing Director Universal Group for Engineering and Consulting Tel.: 092383281 Fax: 092383280		
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11. Publications and Research:

- 7th European Workshop on Structural Health Monitoring (EWSHM), July 2014, University of Nantes/IFSTTAR/INRIA, France (Attendant).
- 9èmes Journées Fiabilité des Matériaux et des Structures (JFMS'9), April 2016, Mines Nancy/University of Lorraine, Speaker, Conference Paper « Assessment of uncertainty in the evolution of Markov chain for maintenance of pavement degradation ».
- Journal paper: Issa, A., & Abu-Eisheh, S. (2017). Evaluation of implementation of municipal roads' maintenance plans in Palestine: A pilot case study. *International Journal of Pavement Research and Technology*, 10(5), 454-463.
- Issa, A. and Abu Eisheh, S. 2017. Development of Pavement Performance Model for Proper Rehabilitation and Maintenance using First Order Markov Chain for Palestine: Nablus City as a Pilot Case. Conference Paper, The Seventh Jordanian International Civil Engineering Conference, JICEC7, May 9-11, Amman, Jordan.
- Issa, A. and Awad, R. 2017. Development of Maintenance Composite Priority Index for Buildings in Palestine: A Pilot Case Study. Accepted Conference Paper. International Conference on Construction and Building Engineering [ICONBUILD 2017], August 14-17, Palembang, Indonesia.
- Issa, A., & Abu Eisheh, S. (2017). Evaluation of Transport Policies on Public Transport in Palestine. Presented in Eighth International Traffic Safety Conference. Jordan Traffic Institute.
- Journal paper: Issa, A. and Schoefs, F., 2020. Assessment of uncertainty propagation using first-order Markov chain for maintenance of pavement degradation. *International Journal of Pavement Engineering*, 21(14), pp.1841-1852.
- Issa, A., & Abu Eisheh, S. (2019). DEVELOPMENT OF PAVEMENT PERFORMANCE MODEL FOR PROPER REHABILITATION AND MAINTENANCE USING FIRST ORDER MARKOV CHAIN. International Structural Engineering and Construction Conference Chicago, Illinois, United States, May 20-25, 2019. Theme: Interdependence between Structural Engineering and Construction Management. doi: 10.14455/ISEC.res.2019.60 Proceedings of the Tenth International Structural Engineering and Construction Conference Chicago, Illinois, United States, May 20-25, 2019.
- Issa, A., Kobari, F. & Abu Eisheh, S. (2019). Assessment of Early Damage in Newly Constructed Low Volume Local Roads. Presented in Second International Conference on Civil Engineering. ICCE 2019-Palestine.
- Rabaya, R., Dawwas, E. & Issa, A. (2019). Developing An Electronic Database For Prioritization Of Pavement Maintenance Activities. Presented in Second International Conference on Civil Engineering. ICCE 2019-Palestine.
- El Meouche, R., Abunemeh, M., Hijazi, I., Mebarki, A., Fatayer, F., & Issa, A. (2020). Probabilistic Fire Risk Framework for Optimizing Construction Site Layout. *Sustainability*, 12(10), 4065.
- Issa A. (2020). THE IMPACT OF ADDING WASTE TIRE RUBBER ON ASPHALT MIX DESIGN. Proceedings of Emerging Technologies and Sustainability Principles in Structural Engineering and Construction. ASEA SEC 5, Christchurch, New Zealand, November 30–December 2, 2020. doi: 10.14455/ISEC.2020.7(2). MAT-08.
- Fatayer, F.A., Issa, A.Z., Abunemeh, M. and Dwikat, M.A., 2022. Investigating the causes preventing the fulfillment of construction contract requirements. *Engineering, Construction and Architectural Management*, 29(7), pp.2577-2598.

- A. Issa, H. Samaneh, and M. Ghanim, "Predicting pavement condition index using artificial neural networks approach," *Ain Shams Engineering Journal*, vol. 13, no. 1, p. 101490, 2022/01/01/ 2022.
- Issa, A.; Sammaneh, H.; Abaza, K. Modeling Pavement Condition Index Using Cascade Architecture: Classical and Neural Network Methods. *Iran. J. Sci. Technol. Trans. Civ. Eng.* 2021, 46, 483–495.
- Issa, A.; Bdair, R.; Abu-Eisheh, S. Assessment of compliance to planned cost and time for implemented municipal roads projects in Palestine. *Ain Shams Eng. J.* 2021, 13, 101578.
- AMJAD ISSA, AREEN ABU SHEIKAH, RASMYA NAZZAL, and AMEED MAHER. STUDY THE EFFECT OF ADDING HIGH-DENSITY POLYETHYLENE ON THE ASPHALT MIXTURE. *Proceedings of International Structural Engineering and Construction*, 9(1), 2022.
- Itair, M., Hijazi, I., Qanazi, S., Zaidalkilani, S. and Issa, A., 2022. Localizing sustainable development goals in strategic development planning procedures. Case study: local development planning manual for the Palestinian cities and towns. *An-Najah University Journal for Research-B (Humanities)*, 37(8).
- Issa, A., Zawawi, Z. and Ashqar, H.I., 2023. Impact of road grade on fuel consumption: Potential savings in Nablus, Palestine. *Case Studies on Transport Policy*, 12, p.100973.
- Issa, A., Hijazi, I., Qanazi, S., Natsheh, E. and Rashed, A., 2023. Assessment of Existing Pavement Distresses Utilizing ArcMap-GIS: The Case of Nablus City. *Jordan Journal of Civil Engineering*, 17(2).

12. Key Qualifications:

Dr. Issa has a broad knowledge in the fields of civil engineering and studies in general, and transportation, mobility and road/infrastructure/pavement engineering at specific. He obtained his Ph.D., in Civil Engineering, University of Nantes, Nantes, France. His PhD thesis was about development of combined pavement bridge maintenance management system for developing countries. One of his Master students worked on Design of an Integrated Pavement Management Systems with Geographic Information Systems. Another master student is working on Defining signature for some pavement distresses using mobile sensors :Case study from Nablus City. Moreover, he supervised on several undergraduate projects such as Evaluation of Existing Pavement Distresses of the Mohammad Ibn Maktoom Road, evaluation of existing pavement distresses for part of Nablus city road network utilizing GIS, Asset Management for Part of Nablus City Road Network, the impact of using rubber on asphalt mix design, development of pavement priority index for different roads in Nablus city. He worked also as Transportation, Mobility, Infrastructure/Road Specialist in the preparation of Strategic Development and Investment Plans for 44 municipalities. He participated in the preparation of the Operation and Maintenance Manual for Roads and Buildings. He worked as a team leader in providing the Consulting Services for Local Technical Consultant for Design and Supervision / Area C Development-Package IV where he prepared needed pavement design for several road's projects included. He worked as pavement engineer on design of roads for the benefit of MOPWH. He taught different relevant courses such as pavement management system, advanced pavement design, advanced road design, etc. He has prepared many journal and conference papers related to pavement and pavement evaluation. He was involved as a Project Manager and cost Engineer in various projects such as: Consulting Services for the Preparation and Design of Tender Documents for Tulkarem Municipal Light Industrial Estate, Preparation of Detailed Design and Works Tender Dossier for the Rehabilitation of the Major Roads in Gaza Strip: Salah Al-Din Road and Al-Karama Road and Design and Supervision Services for the Reconstruction of Birzeit Internal Roads. He worked as a Project Manager and Quality Control Manager (QCM) for Infrastructure Needs Program (INP) Phase IV, the project is executed by International Relief and Development (IRD) and funded by USAID. He worked as an area engineer for PARCS project in the north area of West Bank, the project is executed by CHF International and funded by USAID. He was the Project Engineer and prepared the bidding documents and BOQs for many projects as well. He was the Team leader for Local Municipal Development in the Northern West Bank for the Municipal Development and Lending Fund (MDLF) during the project he followed up tendering process for more than 56 sub-projects. He worked extensively on the EMSRPII project as the monitoring, analysis, evaluation, and quality assurance engineer. He worked on conducting projects for public and private agencies. He also worked in a number of emergency road rehabilitation projects in the West Bank for PECNDAR, and the Ministry of Public Works. He worked in many projects in the West Bank as an area engineer with UNDP. He has extensive experience in the use and application of computer programs in the field of

civil engineering such as GIS, Computer Aided Design and Drafting (Such as AutoCAD and MicroStation), GIS, ACCESS, Primavera, MS Project, SPSS, GEOPAK, and other software.

13. Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ul style="list-style-type: none"> - Follow up with the roads engineers, manage their work, and ensure quality deliverables and outputs of roads database and updated fixed assets registration data. - Supervise the training of the municipal staff and on-the-job training and take part where needed as related to roads. - Participate in meetings with staff and MDLF as needed. - Participate in reports production. - Review and update the existing O&M plans for the selected municipalities. - Review of coding system for roads as prepared by the GIS unit or any other related department in the municipalities. - Assist the targeted municipalities in preparing the database to facilitate computing the maintenance priority index for roads. - Manage the data entry process by assisting each of the involved municipalities. - Supporting the municipalities in data analysis/BOQ estimates. 	<p>1. Name of assignment or project: Support the preparation of Strategic Development and Investment Plans (SDIPs) in selected municipalities/Nablus and Tulkarm Governorates (24 Municipalities). Year: 2022-2023 Location: Nablus and Tulkarm Governorates Client: MDLF Positions held: Transportation, Mobility, Roads and Infrastructure specialist</p>
	<p>2. Name of assignment or project: Rehabilitation of Beit Al-Rosh earth Dam/Dora/Hebron governorate. Year: 2022-2023 Location: Dora-Hebron Governorate Client: Ministry of Agriculture Positions held: Infrastructure expert and project coordinator.</p>
	<p>• Name of assignment or project: for Consultancy Services for Support in preparing Fixed Assets Registration & Valuation (FARV) Reference Number: 2.1.7.A3. Year: 2022-2023 Location: Nablus, Tulkarm, Bethlehem, and Hebron Governorates Client: MDLF Positions held: Team Leader</p>
	<p>3. Name of assignment or project: Land Settlement for Al-Dahirieh and Al-Rammadeen Year: 2022 Location: West Bank Client: UN-HABITAT and PLWSC Positions held: Transportation Expert, Quality Control/Quality Assurance</p>
	<p>4. Name of assignment or project: Preparing of Beit Sahour Master Plan Year: 2022 Location: West Bank Client: Beit Sahour Municipality Positions held: Team Leader and Transportation Expert</p>
	<p>5. Name of assignment or project: Preparing of Talfit Master Plan Year: 2022 Location: West Bank Client: Talfit Village Council Positions held: Team Leader and Transportation Expert</p>
	<p>6. Name of assignment or project: Conducting Consolidation of Local Outline Plans for Palestinian Communities in Area C, "Groups 1, 2 Year: 2021 Location: West Bank Client: UN-HABITAT and MoLG Positions held: Transportations and Infrastructure Expert</p>
	<p>7. Name of assignment or project: Consulting Services for Local Technical Consultant for Design and Supervision / Area C Development-Package IV Year: 2018 Location: West Bank Client: MDLF Positions held: Team Leader</p>
<p>8. Name of assignment or project: Support Preparation of SDIP for 5 municipalities for the benefit of TETRATECH</p>	

	<p>Year: 2018 Location: North West Bank Client: TETRATECH Positions held: Transportation, Infrastructure and Environmental Expert</p>
	<p>9. Name of assignment or project: Support the Preparation of Strategic Development and Investment Plans (SDIP)-North West Bank Year: 2017-2018 Location: North West Bank Client: MDLF Positions held: Transportation, Infrastructure and Environmental Engineer</p>
	<p>10. Name of assignment or project: Consultancy Assignment for Developing Physical Plans for Aqqaba. Year: 2012-2013 Location: Aqqaba, Tubas Governorate Client: MoLG Positions held: Assistant Planner</p>
	<p>11. Name of assignment or project: Developing Physical and Strategic Plans in Selected Clusters-North West Bank. Year: 2011-2013 Location: Beita and Beit Liqia Clusters Client: MDLF Positions held: Facilitator</p>
	<p>12. Name of assignment or project: Physical Inspection for Operation and Maintenance –Middle West Bank Year: 2017 Location: Middle West Bank Client: MDLF Positions held: Senior Transportation/Roads Engineer</p>
	<p>13. Name of assignment or project: Consultancy Services for Implementing Operation and Maintenance-2nd Cycle Year: 2013-2014 Location: West Bank Client: MDLF Positions held: Transportation Engineer</p>
	<p>14. Name of assignment or project: Municipal Ranking Update According to the Grant Allocation Criteria "Transfer Mechanism" for 134 Municipalities in West Bank and Gaza Year: 2013 Location: West Bank, Palestine Client: MDLF Positions held: Civil Engineer</p>
	<p>15. Name of assignment or project: Consultancy Assignment for Developing Physical Plans for Middle Jenin Cluster. Year: 2011-2013 Location: Qabatya, Al Zababdeh, Misilya, Talfit, Al Shuhada, Kherbet Sab'in, Kherbet Tinen, and Al-Kfeir, Jenin Governorate Client: MDLF Positions held: Facilitator</p>
	<p>16. Name of assignment or project: Preparation Consultancy Services for Developing Roads and Transport Manual Specification and Standards Year: 2012 Location: West Bank, Palestine Client: MDLF Positions held: Transportation Engineer</p>
	<p>17. Name of assignment or project: Fixed Assets Registration and Valuation in Selected Clusters-North West Bank Year: 2012 Location: Beita and Beit Liqia Clusters Client: MDLF</p>

	<p>Positions held: Team Leader</p>
	<p>18. Name of assignment or project: Consultancy Assignment for Developing Physical Plans for Wadi Al-Fara. Year: 2011-2012 Location: Wadi Al-Fara, Tubas Governorate Client: MoLG Positions held: Team Leader</p>
	<p>19. Name of assignment or project: Technical Audit for Village and Neighbourhood Development Program Year: 2011 Location: West Bank Client: MOLG Positions held: Civil Engineering Assistant Expert</p>
	<p>20. Name of assignment or project: Consultancy Services for the Preparation of Strategic Development and Investment Plan for Selected Cluster in Salfeet, Tulkarem and Qalqilia Governorates. Year: 2011 Location: Salfeet, Tulkarem and Qalqilia Governorates. Client: MDLF Positions held: Strategic Planning Expert and Coordinator/Facilitator and Infrastructure Engineer</p>
	<p>21. Name of assignment or project: Preparation of Detailed Design and Works Tender Dossier for the Rehabilitation of the Major Roads in Gaza Strip: Salah Al-Din Road and Al-Karama Road (including preparing road operations and maintenance manual) Year: 2011 Location: Gaza Strip Client: IMG Positions held: Senior Civil/Construction Road Expert</p>
	<p>22. Name of assignment or project: Municipal Development Program (MDP) for 40 Municipalities in the Middle Area of the West Bank-1st Cycle. Year: 2010-2011 Location: West Bank Client: MDLF Positions held: Team Leader</p>
	<p>23. Name of assignment or project: Infrastructure Needs Program, Task Orders; 14, 14, 34 & 41. Year: 2009-2010 Location: Northern and Middle Areas of the West Bank (Asira Al Shamaliya-Yasid Road, Beir Zeit-Al Manarah Road and Huwarah-Ein Abous). Client: Ministry of Public Works and Housing (MPWH), Donor: USAID. Positions held: Project Manager</p>
	<p>24. Name of assignment or project: Infrastructure Needs Program, Phase IV, Task Order 03. Year: 2008-2009 Client: Ministry of Public Works and Housing (MPWH), Donor: USAID. Positions held: Quality Control Manager</p>
	<p>25. Name of assignment or project: Local Government Capacity Building Project (LGCBP). Year: 2007-2008 Location: North West Bank Client: MDLF Positions held: Area Engineer</p>
	<p>26. Name of assignment or project: Local Municipal Development in the Northern West Bank- Pilot Phase Year: 2007-2008</p>

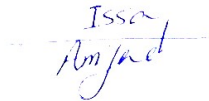
	Location: North West Bank, Jenin Northeast Joint Service Council 1 Client: MDLF, Donor: Danish Government Positions held: Team Leader
	27. Name of assignment or project: Programme of Assistance to the Palestinian People (PAPP) Year: 2003-2007 Location: North West Bank Client: United Nations Development Programme (UNDP) Position: Area Engineer
	28. Name of assignment or project: Traffic Systems Management: Concepts and Applications Manual Year: 2001 Location: West Bank, Palestine Client: PECDAR Positions held: Transportation Engineer

Experts contact information : E-mail: amjadissa@najah.edu. Phone : 0599-292763

14. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

Dr. Amjad Issa
20/08/2023



Name of Expert

Signature

Date

Name of authorized
Representative of the Consultant

Signature

Date