**Legend:**

Text = core objectives identified by CIHT along with points to consider as a transport planner

Text = Azza’s notes to address objective

Text = Questions about suggested points

**Objective A: Illustrate how you have used a combination of general and specialist engineering knowledge and understanding to optimize the application of existing and emerging technology. In particular, demonstrate how you have:**

1. Maintained and extended a sound theoretical approach in enabling the introduction and exploitation of new and advancing technology and other relevant developments;
2. Engaged in the creative and innovative development of engineering technology and continuous improvement systems;
3. Identified constraints and exploited opportunities for the development and transfer of technology within your own chosen field.
4. Be aware of the sources and trends in national environment and transport statistics and be able to interpret their significance
5. Understand the statutory procedure and practices within which transport planning activities operate. Be able to plan and modify such activities to be consistent with the regulatory and best framework.
6. Be able to extend and develop established methods to new situations and opportunities
7. Be competent with appropriate statistical methods to plan and interpret data collection/analysis
8. Be able to deepen one’s knowledge base through appropriate research and investigation

* Mention how we use the 100 city trends card + cities alive publications in projects to identify baselines and opportunities.
  + Example projects: Capital STMP (Benchmarking report),
  + Sharjah Strategic Plan: opportunities and constraints report, finding out how the government is set-up + using google data in the absence of any data + context of data with city planning
  + Sheikh Zayed Road competition: how were current and future trends can be applied to the city+ road
* To do: Familiarize myself with Regional planning guidance, the development planning system and Local Transport Plans in London.
  + How to incorporate this to the text?
  + Link to the UAE: how is it different? How is the structure here? Pros/cons?
* Point d, is this in general or UK statistics? Link to using open data to establish baseline and draw conclusions. Example projects: SZR competition and SSP (Existing conditions report)
* Point E: could I talk about getting approvals or pushing the boundaries with standards to push non-BAU practices & justifying this with authorities?
* Point F: talk about movement insight tool and how we tried to apply this to an ongoing project (and failed?): RTA Truck ban and axle study to test scenarios
* Point G: RTA Truck ban and axle study
  + Achieving the appropriate random sampling for companies to interview
  + Describe procedure: data cleaning and developing a python script that meets sample size conditions

**Objective B: Illustrate how you have applied appropriate theoretical and practical methods to the analysis and solution of engineering problems. In particular, illustrate how you have:**

1. Identified potential projects and opportunities;
2. Conducted appropriate research and undertaken design and development of engineering solutions;
3. Implemented design solutions, and evaluated their effectiveness.
4. Use imagination, flair and experience to develop solutions to problems and take advantage of opportunities
5. Be familiar with relevant design guidance, advice and best practice to promote measures that are practical, affordable and deliverable and identify the constraints that influence the application of such measures
6. Be able to select, develop and apply the appropriate techniques to assess the future operational, economic, environmental, social and other impacts of suggested measures
7. Use up to date research to generate and evaluate solutions
8. Demonstrate responsibility for the delivery of transport planning projects, from project feasibility studies and outline concepts, through initial design studies, public consultation and inquiry, detailed design and implementation stages
9. Design and execute methods to elicit reliable opinions from interested and involved parties

* Point A, D & G: Sheikh Zayed road competition
  + using data to identify the root cause of a problem
  + Identifying short, medium and long term solutions
  + Example projects: Capital STMP (Benchmarking report),
* Point C: Developing scenarios for a masterplan and assessing each one in terms of effectiveness and cost
  + Example projects: Umm Fannain MP + SSP
* Point E: using design standards and guidelines relevant to authority + city to achieve approvals which being aware of constraints and propose mitigations
  + Example projects: Damac Akoya MP TIS + Jumeirah Central
* Point F: Not very clear on this.
  + Example projects: SSP (Policy Framework Report)?

**Objective C: Provide technical and commercial leadership. In particular, show how you have:**

1. Planned for effective project implementation;
2. Planned, budgeted, organized, directed and controlled tasks, people and resources;
3. Lead teams and developed the capabilities to staff to meet changing technical and managerial needs;
4. Brought about continuous improvement through quality management.
5. Exercise leadership over contribution of other technical staff
6. Identify the training needs of others; help to develop and review the training plans for subordinates
7. Contribute to the implementation of quality systems, and help gain the acceptance of subordinates
8. Understand how continuous improvement in service delivery can be secured, and implement measures to help bring this about
9. Be aware of the implications of the management imperatives and systems of the organisation, and be able to apply these in the team environment
10. Understand the ingredients of effective teams, apply and monitor some measures in the workplace that improve performance

* Points C, E, F & J are not possible to achieve in the coming 2-3 years
* Point A & B: possible to accomplish this, but only in the manner of ‘shadowing’ somebody else that is assigned to do this
* Point D: Could this be applied into enhancing technical tasks through e.g. automation?
* Point G & I: monitoring on a monthly basis e.g. dashboard and AMS procedures

**Objective D: Demonstrate effective interpersonal skills. Evidence is required of your ability to:**

1. Communicate in English with others at all levels;
2. Present and discuss ideas and proposals using a range of communication methods;
3. Demonstrate personal and social skills.
4. Participate in focused discussions about technical matters
5. Understand the principles of client and customer care
6. Understand negotiation skills and have experience of their application
7. Be able to resolve conflict in the workplace
8. Understand the motivation of others, and the factors that influence you own performance
9. Be able to counsel others in a sensitive manner
10. Play and active part in building and maintaining an effective team environment
11. Identify collective goals and responsibilities
12. Issue clear and accurate instructions to subordinates

* Conducting lunchtime talks in Dubai + London
* Participation in conference + talk to university students about Civil Engineering job paths
* Point j: team culture? How can this be worded?
* Point L: delegating tasks to interns and graduate planners?
* Point D: working on multi-disciplinary projects e.g. CDC Riyadh Township, Sharjah Strategic Plan and more transport focused projects such as Jumeirah Central (traffic engineering and ROW design procedure)
* Would mentioning any training modules such as: Presenting with Impact, Influencing Skills help?
* Points E, F, G, I and K are difficult to achieve.

**Objective E: Demonstrate a personal commitment to professional standards, recognizing obligations to society, the profession and the environment, in particular give examples of how you have:**

1. Complied with relevant codes of conduct - CIHT
2. Managed and applied safe systems of work
3. Undertaken engineering activities in a way that contributes to sustainable development and codes of practice on risk and the environment
4. Carried out the continuing professional development necessary to maintain and enhance competence in own area of practice
5. Work constructively within all relevant legislation and regulatory formworks, including social and employment legislation
6. Undertake and record professional development to a minimum of 25 hours a year, in accordance with a current Personal Development Plan covering the next two years, and monitor output.
7. Participate in the affairs of the CIHT at national and/or regional level and encourage subordinates to participate in its work.

* Familiarize myself with UK Health and Safety laws as an engineer & compare to practice in Middle East
* Point C: Research work and project coordination work on Cities Alive Arid Environments + attempt to get finance for invest in Arup: TravelShare project
* How to achieve Point G
* Is Point F the CPD table?
* Point B: Site and Safety training Arup module?
* Point E: does this mean design guidelines and regulations? How to weave in social and employment legislation? Could this relate to Sharjah Strategic Plan – Policy Framework report?