Brandon JobNexus

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# PROFESSIONAL EXPERIENCE

**HEWSON CONSULTING ENGINEERS**

**SENIOR ENGINEER (TX Office) July 2019 – Present**

* Erection engineering including geometry control and assessment during construction for the main steel arch bridge (200m span) and steel side spans (100m span) of the Cross Bay Link project.
* Detail design of temporary steel framing structure with plan dimensions of 50x30m and height of 20m to enclose working platform and access shaft.
* Responsible for design and drawings for construction method at tender stage for various projects including water channel, modification works, pre-stressed concrete highway bridges and reinforced concrete footbridges.
* Responsible for managing company’s Quality Management System.

## SENIOR ENGINEER (TX Office) March – July 2019

* Erection engineering for three pre-cast segmental box-girder highway bridges with extrados spans.
* Led a team of 3 engineers for providing geometry control and assessment of bridges during construction.

## DESIGN ENGINEER (TX Office) September 2014 - February 2019

* Involved in detailed design and dynamic rail analysis of substructure and superstructure elements for the pre- stressed concrete viaducts and reinforced concrete stations with steel roof.
* Erection engineering tasks included geometry control and cables fine tuning.
* Design/ Independent check of temporary works systems (propping for excavation, work platforms for piling rig operations.
* Led a team of 5 engineers for the detailed design of ramps and mainline highway bridges.
* Responsible for programming of project resources and controlling the work progress.
* Project engineer for re-development of foundations for plant facilities.
* Liaised with client for project deliverables and submission dates, management of sub-consultant and control of project finance.
* Feasibility studies, conceptual and detailed design of highway and railway bridges with pre-stressed concrete deck (beam-slab or box-girder).

# ADDITIONAL EXPERIENCE

**KANSKA (Site Secondment)**

**SITE ENGINEER July – December 2018**

* Served as the Site Engineer for the A14 Cambridge to Huntingdon highways project.

# EDUCATION & QUALIFICATIONS

* Institution of Structural Engineers, September 2020

## MSc in Earthquake Engineering (achieved with distinction), Houston University, 2013 – 2014

* **Diploma in Civil Engineering (Integrated 1st and 2nd cycle degree – 300 ECTS)**,2007 – 2013

# COMPUTER SKILLS:

* **Microsoft Office**: Word, Excel, PowerPoint
* **Structural Analysis Software:** Midas Civil and FEA, Autodesk Structural Bridge Design, SAP2000
* **Geotechnical Analysis Software:** Geocentrix Repute
* **Computer Aided Drawing:** Autocad 2D and 3D, Tekla, SketchUp
* ‘Green’ card, completed mandatory safety training course for site visitor
* NPORS card, CAT4+ and Genny operator for scanning for underground services

***LANGUAGES:* Greek** (Fluent), **English** (Native)