



Pattharadech Tungbunnitiwong Structural Engineer

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PROFILE.

"2Years Experience in Structural Design Especially Bridge Structure by Using Structural Analysis Programs Combine with Coding Skill That Could Make Very High Productive Efficiency."

With coding skill, it makes data management be an easy thing. It also lets me have time for rechecking, collecting calculations and make the verifiable calculation sheet (Easy to read) that's the one of a good designer attribute before sending it to the customers.

Education.

- Bachelor of Engineering at King Mongkut's University of Technology Thonburi.
- Vocational Certificate Program in Pre-Civil Engineer at King Mongkut's University of Technology North Bangkok.
- Commutative English skill.
- Thai Professional Engineering License
Discipline: Civil Engineer Level: Associate Engineer License No. กข.74043

Core Skills.

- Bridge, RC and Prestressed Structure
- MathCad and Excel
- Coding in VBA, Python and Fortran
- Etaps, Sap2000 and CSI Bridge

Career Summary.

June 2018 – present.

Civil and Construction Engineering (CASE THAI):

Junior Structural Engineer

2017

Council of Engineers:

Entaneer Volunteer

2016

Volunteer of Design for Disaster:

Entaneer Volunteer

2015 – 2016

King Mongkut's University of Technology Thonburi:

Curator of TED X KMUTT

Experience

Present **Project:** Dual Track Sriracha Mataput

Position: Structural Designer.

Work description:

- Analyzes and Design reinforcement concrete abutments that are supported by driven piles size 0.4 x 0.4 m for supporting Precast I-Girder Span 10 to 30 m.
- Analyzes and Design reinforcement concrete abutments that are supported by driven piles size 0.4 x 0.4 m for supporting Precast I-Girder Span 10 to 30 m.

2019 - Present **Project:** MRTA Pink and Yellow line

Position: Structural Designer.

Work description:

- Analyzes and Design method of construction for segmental precast crossbeam of MRTA Pink and Yellow line station are constructed be Balanced Cantilever method. There is the maximum width is about 30 m.
- Solving obstructed ducts cause poring infill concrete problem and any problems while constructing for the ability to continue constructing also safe to use while the system is operating.

2019 – Present **Project:** 3rd Outer Ring Road Bridge

Position: Structural Designer.

Work description:

- Analyzes and Design Precast I-Girder Span 10 to 40 m constructed be span to span method.
- Analyzes and Design reinforcement concrete abutments that are supported by boring piles diameter 0.6 m for supporting Precast I-Girder Span 10 to 40 m.

2018 – 2019

Project: Condo Siamese Exclusive Sukhumvit

Position: Structural Designer.

Work description:

- Analyzes and Design reinforcement concrete footing of 8 level building for tendering by using Etabs program to analyzes.

2018 – 2019

Project: Plum Chaeng Watthana Phase 4

Position: Structural Designer.

Work description:

- Analyzes and Design reinforcement concrete footing and stairs for 8 level building consists of buildings A to D for tendering.
- Design structure for Landscape consist of Guardhouse, Condo walls, Underground treatment tank, Retaining walls, Project's billboard for tendering.

2018 – 2019

Project: Chapter Charoen Nakhon Riverside

Position: Structural Designer.

Work description:

- Analyzes and Design reinforcement concrete footing of 45 and 43 level buildings for requesting EIA permission by using the Etabs program to analyzes.
- Analyzes and Design structure for Landscape consist of Guardhouse, Condo walls, Underground treatment tank, Swimming pool and Project's billboard for tendering.
- Analyzes and Design retaining wall for an underground car park.

2018 – 2019

Project: Chapter Charoen Nakhon Riverside

Position: Structural Designer.

Work description:

- Analyzes and Design structure for Landscape consist of Guardhouse, Condo walls, Underground treatment tank, Swimming pool, Waterfall wall and Project's billboard for construction.

ETC.