

CURRICULUM VITAE

PROPOSED POSITION : Bridge/Structural Engineer

NAME : PRAWIT SANTISUKPOTHA

YEAR OF BIRTH : 1984

NATIONALITY : Thai

EDUCATION : B. Eng (Civil Engineering), Srinakharinwirot

University, Thailand, 2007

M. Eng (Structural Engineering), Chulalongkorn

University, Thailand, 2010

OTHER TRAINNING : "Proceedings of the 22nd KKCNN Symposium on

Civil Engineering"

LANGUAGE AND DEGREE

OF PROFICIENCY

English, good in reading and fair in communication

Thai, Mother Tongue

COMPUTER PROGRAM : STADD PRO, ANSYS, SAP2000, ETAB, SAFE,

SUT, PCA-Column, AUTO-CAD, MICROSOFT

OFFICE, MATHLAB

STANDARD CODE : AASHTO 2007, ACI318-11, ASCE7-10, AS5100,

ASD, BS8100 and EIT

MEMBERSHIP OF PROFESSIONAL

SOCIETIES

Member of Council of Engineers.

Engineering License (Level II) Professional

Engineer Sor Yor 11115



Identity Card

Identification Number: 1101800060219

Name: Prawit Last name: Santisukpotha

Sex:Male

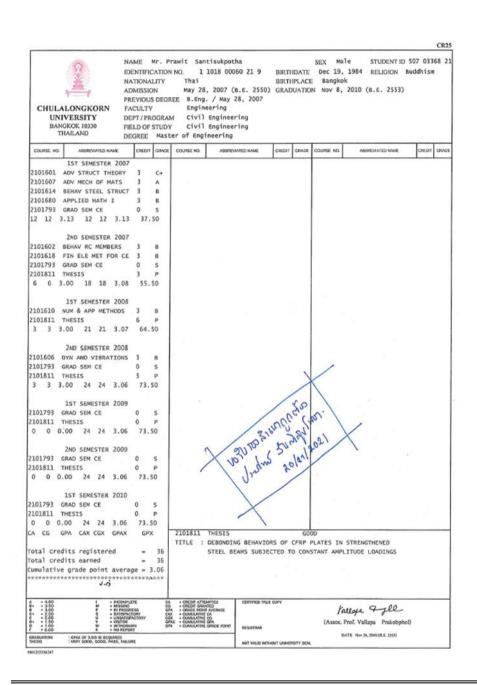
Date of Birth: December 19, 1984

Residential Address: 117/117 Banbuathong Village Kanjanapisek road

Bangrakpatthana Bangbuathong Nonthaburi 11110

Issue Date: January 21, 2019 Expiry Date: December 18, 2027

Kingdom of Thailand



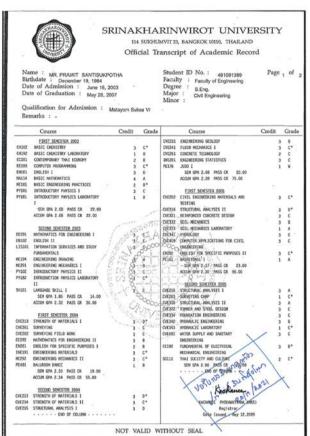
Academic Certificate for Master Degree

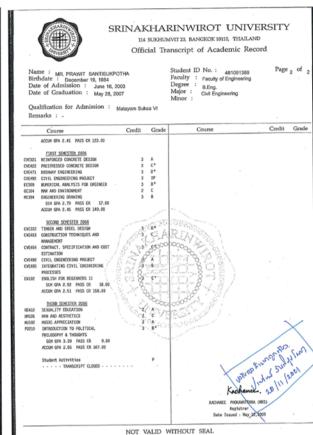
Mr. Prawit Santisukpotha, male, born on 19th December, 1984, has completed all the undergraduate program courses prescribed in the structural engineering majoring in civil engineering in our university from 2007, to 2010, for the graduate curriculum, and finished all the courses regulated in the teaching plan with examination records qualified, thus is permitted for graduation.

Registrar: -

Name of University: Chulalongkorn University

Date of Graduation: 2010





Academic Certificate for Bachelor Student

Mr. Prawit Santisukpotha, male, born on 19th December, 1984, has completed all the undergraduate program courses prescribed in the civil engineering majoring in civil engineering in our university from 2003, to 2007, for the undergraduate curriculum, and finished all the courses regulated in the teaching plan with examination records qualified, thus is permitted

for graduation.

Registrar: -

Name of University: Srinakarinwirote University

Date of Graduation: 2007





Professional Title Certificate for Engineer

License for Professional Practice of Engineering Act B.E.2550

Name: Mr.Prawit Santisukpotha

ID Number: 1101800060219

Professional Practice of Engineering: Professional Engineer (Civil&Structural Engineer)

Level of Engineering: Professional Engineer 11115

Associate Engineer: Associate Civil Engineer

Registration Number: <u>กี.ย.11115</u>

Valid Date: Aug 9, 2019 Expired Date: JAug. 8, 2027

Membership Type: Ordinary Member Member No.: 179757

Issue Date: Aug 9,2019 Expiry Date: Aug 8, 2024

PROFESSIONAL EXPERIENCE RECORD

Experience: 11 years in the field of structural engineer from 2010 to 2022(present)

Date: since 2022 to present

Company: China Railway Design Coperation (CRDC)

Location: Thailand, Bangkok

Position: Senior Structural/Bridge Engineer

Team: - 20 engineers

Description: To review/check/approve shop drawings and method statements and coordinate with team to solve the problem onsite or detail design conditions.

Project: High Speed Rail (HSR) Bangsue to Nakhonratchasima.

- 1. Review the shop drawings submitted from Contractor to ensure that the drawing does meet the Design standards, Specification, Functional and Safety requirement.
- 2. Review the material submission and RFI (Request for Information).
- 3. Review Project Tender drawing and provide the structure design advice to the contractor.
- 4. Coordinate with Construction Team.
- 5. Other structural work assigns by the project.

Date: since 2021 to 2022

Company: CHEC THAI.co.,ltd

Location: Thailand, Bangkok

Position: Senior Technical Engineer

Team: - draftsman - 1 engineers

Description: Design & Detailed design in the phase of construction, Method statement.

Project: Rama 3- Daokhanong western Bangkok outer ring road expressway.

- 1. Design and Detail design in the phase of construction.
- 2. Propose the method of statement for construction.
- 3. Launching and Erection method for segment installation.

Date: since 2017 to 2021

Company: Asian Engineering Consultant.co.,ltd

Location: Thailand, Bangkok

Position: Structural Engineer/Bridge Engineer

Team: 9 draftsman – 14 engineers

Description: Design and Detail design bridge structures for railway and highway.

Project:

1. Detailed design of railway bridges and elevated structure for high speed rail from nakhon ratchasima – nhongkai.

Locations: Thailand

Responsibilities:

- 1) Manage (leader) the detailed design of railway bridge structures to reach on the target.
- 2) Design PC-Bridges and RC-structures to support Rail load (ZK-standard and EN-cord)
- 3) Detailed design PC-Bridges and RC-Structures.
- 2. The modification of detailed design at sikhu and nakhon ratchasima district for map kabao thanon chira junction section (contract II: khlong kanan chit thanon chira junction)

Locations: Thailand

Responsibilities:

- 1) Manage (leader) the detailed design with 2 engineer to reach on the target.
- 2) Design PC-Bridges and RC-structures to support Rail load (U20 or 80% of LM71)
- 3) Detailed design PC-Bridges and RC-Bridges.

Note:

- 1) PC Bridge such as Precast segmental bridges, Multi boxed girder bridge and ugirder bridge.
- 2) RC structure such as Pier for U-girder joint with Precast segments, Pier for Multi boxed beams joint with Precast segments and abutments.

3. Proposed development of laem chabang terminal, phase 3

Locations: Thailand

Responsibilities:

- 1) Manage (leader) the preliminary design with 2 engineers to reach on the target.
- 2) Preliminary design RC-Buildings and Steel Structures.
- 3) Preliminary detailed design RC-Buildings and Steel Structures.

4. Feasibility study and preliminary design of chumphon – ranong railway project

Locations: Thailand

- 1) Manage the preliminary design to reach on the target.
- 2) Preliminary design Segmental boxed girder bridges and RC-Bridges.

Date: since 2015 to 2017

Company: Freyssinet International & Cie Technical Support (FITS)

Location: Thailand, Bangkok

Position: Structural Engineer/Bridge Engineer

Team: 4 draftsman – 2 engineers – To continue development

Description: Design and Construction method, cable structures specialist, Construction engineering, Repair & strengthening solutions, concrete structures

Technological development, Technical services & support for FIC subsidiaries

Launching and Erection of Launching Gantry

Project:

For Preliminary Project:

1. AP-JNKLT-KOSTRAD-PtPP, This project is bridge's construction in Indonesia. Type of bridge is segmental box girder which is constructed by SPAN-BY-SPAN Method.

Location: Indonesia

Responsibilities:

- 1) Analysis step of erection (span by span method) by launching gantry.
- 2) Checking the stabilities of launching gantry while it working.
- 3) Make a drawing for construction stage.
- 2. Sunway Lagoon retrofitting, Sunway lagoon bridge is pedestrian bridge in Malaysia.

Location: Malaysia

- 1) Analysis force in cables and design cables.
- 2) Make a drawing for re-installation of cables.

3. Mtentu Bridge, Mtentu bridge is segmental box girder bridge to link between London to south of Africa and it is constructed by balance cantilever method.

Location: South of Africa

Responsibilities:

- 1) Design and Detail Design Form-traveller for cast concrete of the bridge.
- 2) Design the Construction method by using balance cantilever method.

For Construction Project:

1). Cao Lanh Bridge, Cao Lanh Bridge project is part of Central Mekong Delta Region Connectivity Project

(CMDRCP) in the Cao Lanh province. It is a 650 meters cable stayed bridge above water with a maximal 41.01 meters clearance on the central span. The 2-pylon height is 129.00 meters; they are used semi-fan cable stay system. The ratio H/L (pylon height / span length) is 1/5. The deck width is 27.5 meters cast in situ segment cells.

Location: Vietnam

- 1. Reviewing and Recommendation
- 1.1.) Contract to Vietnam Team to make a calculation and drawing.
- 1.2) Review and take recommendations for shop drawings for construction of Cao Lanh Bridge.
- 2. Analysis Cable-System and Design Anchorage system
- 2.1) Contract to Vietnam Team to make a calculation and drawing.
- 2.2) Analysis/ Design a cable's system for example formwork-tube, bearing plate.
- 2.3) Make a drawing detail for cable's system and drawing for cable's installation.
- 3. Reviewing and Design Access Platform at Deck-Segment and Pylon
- 3.1) Review and design check the jumping platform and stair-case.
- 3.2) Design and detail design the C-platform.

2). Hong Kong Metro, There are 5 Viaduct (A, B, C, D, E) in this project. For Viaduct C and A are constructed by balance cantilever method and principle of kinematic energy.

Location: Hong Kong

Responsibilities:

- 1) Contract with Hong Kong Team to make a construction method.
- 2) Make the construction method by balance cantilever method which use the Kinematic design and consider a stabilities to make a launching step and an erection step of launching gantry in viaduct C and A.
- 3). Ribbon Hills Bridge, Ribbon Hills Bridge is Pedestrian suspension bridge.

Location: Canada

Responsibilities: 1) Design the Construction method for installation's the bridge by using the cables.

- 2) Details design the Construction method for installation's the bridge by using the cables.
- 4). Unilever Building, this jobs the contractor has already installed the column and no have a space to lift the girder from the bottom to the top and space for tensioning. we've solved this problem by using cast-in-placed double t-girder and tensioning at the top of girder.

Location: Indonesia

Responsibilities: Design Post-tension double T-Girder (Sky Bridge).

- 1) Contract with Indonesia's team to make a detail design.
- 2) Design and Detail Design the post-tension of Double T-girder

5) Thu Thiem Bridge Steel Bridge which it is constructed at outside and it will be placed on correction position by incrementally launching gantry.

Location: Vietnam

Responsibilities: Design and Detail design temporary shallow foundation for Incremental Launching Gantry.

Date: Aug 2014 to DEC 2014

Company: Aurecon Thailand Corp.,Ltd

Location: Thailand, Bangkok

Position: Bridge Engineer

Team: 10 Bridge engineers with 10 draftsman

Description: he is responsible for analysis, check and design of bridge structure and other

structures such as reinforced concrete structures, prestressed concrete structures in Project of

The Pacific Highway Oxley Highway to Kempsey in Australia (OH2Ku) which Project Owner is

NSW Government (Transport Roads & Maritime Services). Expertise in utilizing commercial

structural analysis software.

Project:

Details of work in OH2Ku Project:

- 1. Bridge Structure
- -Twin Bridges over Wilson River Floodplain at 23.3km North of Port Macquarie(SB6)
- -Twin Bridges over Wilson River Floodplain at 25.7km North of Port Macquarie (SB8)
- -Bridge over highway No.10 at Blackmans Point road Interchange 18.1km North of Port Macquarie (SB14)

- -Bridge over Highway No.10 at Bill Hill Road Overpass at 21.6km North of Port Macquarie
- 2. Underpass Structure
- -SC01 Fauna underpass at Oxley.
- -SC02 Drainage and Fauna underpass/Flood Relief Culvert at Oxley.
- -SC03 Culvert at Maria River.
- -SC04 Fauna underpass at Telegraph Point

Date: MAY 2013 - DEC 2013

Company: Nippon Koei Corp.,Ltd

Location: Thailand, Bangkok

Position: Contract Engineer/Office Engineer, He worked as a Office Engineer under Project Management Consultant (PMC) Department in Project of Mass Transit System Project in Bankok, Red Line-Project (Bangsue-Rangsit).

Team: 3 Engineers

Description: He is responsible for preparing a monthly progress report, monitoring work progress (s-curve) and report to State of Railway of Thailand (SRT).- Project of Mass Transit System Project in Bangkok (Red-Line Project, Bangsue-Rangsit)

Date: JULY 2011 - MAY 2013

Company: Asian Engineering Consultants Corp., Ltd.

Location: Thailand, Bangkok

Position: Structural Engineer & Bridge Engineer

Team: 8 Structural Engineers/Bridge engineers with 7 draftsman

Description: he is responsible for structural analysis and design of bridge and other structures such as reinforced concrete structures, prestressed concrete structures and steel structures. Expertise in utilizing commercial structural analysis software.

Project:

1) Track Doubling Project for Northeastern Line Map Kabao – Thanon Chira Junction and Track Doubling Project for North Line Lopburi – Pak Nam Pho (October 2012 – April 2013)

Responsibilities

- 1) Analysis and Design RC structures and Steel structures.
- 2) Details design RC structures and Steel structures.
- Detailed Engineering Design for Road Improvement and Construction of Ban Huag (Phayao

Province) – Muang Khob – Muang Xiang Hone and Muang Khob – Ban Pakkhob – Ban Kontun

Project: Lao PDR. (July 2012 – October 2012)

- 1) Analysis and Design RC & PC Bridge structures such as i-girder bridge, multi boxed beam bridge and slab type.
- 2) Details design RC & PC Bridges structures such as i-girder bridge, multi boxed beam bridge and slab type.

2)The Construction Supervision Assistance Work for The Project of The Construction Sheet Piling, etc. for Protection for future Flood – Don Muang Airport. (June 2012 – October 2012).(Construction Cost: 35 MB, Project Owner: Fujibo Textile Co., Ltd)

Responsibilities:

- 1) Analysis and Design RC Wall to prevent the flood.
- 2) Details design RC Wall to prevent the flood.
- 3) Detailed Design of Thanyaburi Toll Gate Improvement for the Preparatory Survey on The Rehabilitation Project of the Outer Bangkok Ring Road (East Portion) in The Kingdom of Thailand (June 2012 July 2012)

Responsibilities:

- 1) Analysis and Design reinforced concrete buildings and steel buildings such as Pedestrian Bridges, Retaining Walls, Toll Plaza 3 Channels and 7 Channels.
- 2) Detailed design reinforced concrete buildings and steel buildings such as Pedestrian Bridges, Retaining Walls, Toll Plaza 3 Channels and 7 Channels.
- Western Chiang Rai By Pass (March 2012 April 2012)

- 1) Analysis and Design reinforced concrete bridges.
- 2) Detailed design reinforced concrete bridges.

Date: OCTOBER 2010 - MAY 2011

Company: Center of Excellence in Earthquake Engineering and Vibration, Civil Engineering of Chulalongkorn University

Location: Thailand, Bangkok

Position: Structural Engineer

Description: Work with my teacher in Chulalongkorn University in term of checking and inspection the existing refinery structures.

Project: - To study the seismiced capacities of Refinery Structures in Bangchak Petroleum Facilities Pharse 2. (October 2010 – May 2011)

Project Owner: Bangchak Petroleum Public Company

- 1.) Checking a capacity of structure under seismic condition,
- 2.) Visual Inspection and records the damages of refinery-structures and take recommendations to the owner for strengthening and repairing the existing structures to prevent the future seismic in Thailand.