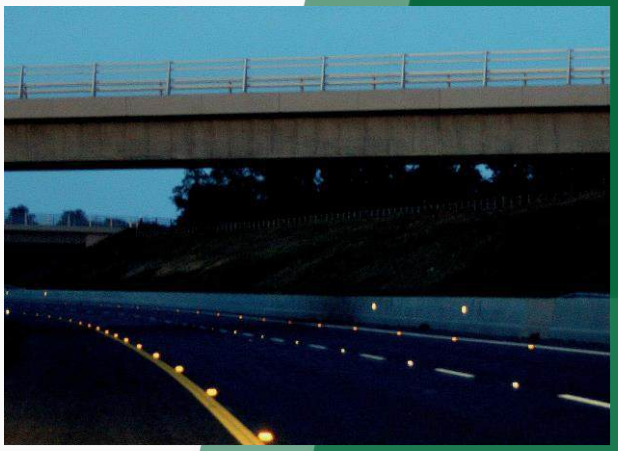
SBE ENGINEERING SENDIRIAN BERHAD(1218814 -K)



COMPANY PROFILE

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CONTENTS

ECO ENGINEERING & SUSTAINABILITY

SBE Engineering Sendirian Berhad is a registered Construction Industry Development Board (CIDB) Grade G7 contractor. Our nature of business involves bridge, slope, road, building maintenance, and import/export trading. We specialize in civil engineering and latest erosion control technology. Our standard operating procedure is to work with all parties to streamline project plans that meet deadlines with quality service. This is a crucial step to succeed in a highly competitive market where every day counts. Our team offers the most up-to-date information on erosion control and civil engineering technologies along with guaranteed solutions.

SBE Engineering Sendirian Berhad only works with registered and trusted partners that meet our high standards of material quality, market pricing, and project schedule management control. We have been actively providing our maintenance services and solutions to the appointed Federal Highway Concessionaries, JKR (Department of Public Works Malaysia), Water Treatment producing companies, local councils, and local contractors.

Mission

Assurance to our clients of the absolute best solutions and services for their projects.

Vision

Providing the highest level of quality service and maintenance solutions for the region of South East Asia through our range of products plus expertise.

SBE ENGINEERING SDN BHD

ORGANISATION STRUCTURE

CERTIFICATES & REGISTRATIONS

SME CORP MALAYSIA

CIDB MALAYSIA

Certificate of Achievement

This is to Certify that

SBE ENGINEERING SDN. BHD.
0120190915-WP031697
Grade Registered : G7

has been evaluated according to the SCORE criterias set by the Board and has achieved the rating of

(3 Star)

for the year
2024
(Valid until 18/08/2026)

Good management and technical capabilities, compliance to best practices and good project management.

Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
19/08/2024

SC112377

CIDB MALAYSIA

PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama perakuan ini.

No. Pendaftaran	:	0120190915-WP031697
Nama Kontraktor	:	SBE ENGINEERING SDN. BHD.
Alamat Berdaftar	:	NO. 1-23AB, JALAN DESA 1/3, DESA AMAN PURI, 52100 KUALA LUMPUR WILAYAH PERSEKUTUAN KUALA LUMPUR
Daerah	:	KUALA LUMPUR
Tarikh Mula Berdaftar	:	17/09/2019

GRED	KATEGORI	PENGKHUSUSAN
G7	B	B01 B04 B09 B11 B14 B27
G7	CE	CE01 CE02 CE03 CE06 CE08 CE13 CE14 CE19 CE20 CE21 CE32 CE36 CE38 CE39
G7	ME	M15

Tarikh Mula Berkuatkuasa : **05/08/2024**
Tarikh Habis Tempoh Perakuan : **28/09/2025**
STATUS: DORMAN

Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 05/08/2024

PUSAT KHIDMAT KONTRAKTOR

KEMENTERIAN PEMBANGUNAN USAHAWAN DAN KOPERASI
SIJIL TARAF BUMIPUTERA
KONTRAKTOR KERJA

Adalah dengan ini syarikat tuan seperti tercatit di dalam Sijil ini diiktiraf sebagai kontraktor kerja bertaraf Bumiputera. Pemberian pengiktirafan ini adalah tertakluk kepada syarat-syarat termaktub di belakang sijil.

NO. SIJIL PENDAFTARAN	GRED PENDAFTARAN	KATEGORI	TEMPOH SAH LAKU
0120190915-WP031697	G7	B	DARI : 02/05/2024
	G7	CE	HINGGA : 28/09/2025
	G7	ME	

NAMA DAN ALAMAT BERDAFTAR
SBE ENGINEERING SDN. BHD.
NO. 1-23AB, JALAN DESA 1/3, DESA AMAN PURI,
52100 KUALA LUMPUR
WILAYAH PERSEKUTUAN KUALA LUMPUR
KUALA LUMPUR

PEGAWAI SYARIKAT YANG DITAULIAHKAN	NO. K/P
ABU REJAII BIN ABU TALIB	801130105055
MUHAMMAD SAIFUDDIN BIN SULAIMAN	940930065063
EEZWAN SOFEEYAN BIN MD YUSOFF	920302146163
MERVIN LIM SWEE PENG	660817055385
MARIZAN BIN ABDUL RAHMAN	740502055057

Ketua Penolong Pengarah
Pusat Khidmat Kontraktor
Kementerian Pembangunan Usahawan dan Koperasi
Tarikh : 02/05/2024

BUILDING DIVISION

The Building Division focuses on all repair, maintenance, and construction works related to buildings, mainly in industrial and commercial sectors.

INDUSTRIAL FLOOR COATING

a. Industrial Floor Coating

SBE Engineering offers normal epoxy floor coating, anti-skid epoxy floor coating, self-leveling epoxy floor coating, and floor hardener. Epoxy coating is encouraged for industrial flooring to provide ultimate protection against chemical or mechanical damages found within the industrial environment. On the other hand, floor hardener is utilized for heavy-duty industrial factory flooring.

b. Waterproofing

We have various waterproofing treatment methods, and they are applied accordingly to the situation. The most commonly used are: Membrane system (torch on type, cold applied, and hotapplied types); Spray-applied Waterproofing; Polyurethane Injection System; cementitious compound; and sealant application.

WATERPROOFING

BUILDING DIVISION

SINKHOLES & FLOOR SLAB DEPRESSION REPAIR

c. Sinkholes & Floor Slab Depression Repair

To repair sinkholes, RC floor slabs, and road surface depressions, we provide services to stop the ground from sinking and further depressing. To do this, we use a high-pressure grouting pump to pump in slurry Portland cement or high-strength polyurethane foam (2 parts mixture) to ensure an increase in ground load-bearing capacity, and to fill in all the voids and cavities beneath the surface.

d. Structural Crack Repair

We provide different repair methods for different structural cracks. For dry cracks, we use low viscosity epoxy resin and epoxy mortar to seal the crack. For cracks larger than 0.25 mm, injection repair is required, and for cracks smaller than 0.25 mm, V-groove cutting and sealing methods are commonly used with epoxy mortar on concrete structures. As for wet cracks, polyurethane foam grout is used to seal leakages by high-pressure injection method.

STRUCTURAL CRACK REPAIR

BRIDGE & ROAD DIVISION

Due to frequent exposure to heavy traffic loading, the conditions of bridges and roads tend to deteriorate. Under the Bridge & Road Division, SBE Engineering teams have the precision and engineering skills in maintaining and repairing bridges and roads effectively throughout Malaysia. We specialize in providing bridge expansion joints, and our expertise is in constructing Elastomeric Load-Bearing Expansion Joints (Rubber Module Joints), Asphaltic Plug Joints, Sealer Joints, Swedsun Joints, and Comb Joints. Each bridge will be analyzed thoroughly before applying the appropriate product.

MODULAR EXPANSION JOINT

a. Modular Expansion Joint

Modular expansion joints are based on the following concept: The movement gap at the end of a bridge deck is divided into smaller individual gaps by horizontal lamella beams. This enables deck movements of well over 2,000 mm to be accommodated. Rotations about every axis can also be facilitated. The individual gaps are sealed watertight by elastomeric profiles, enabling the joint to be completely drained at the deck surface.

b. Bridge Joint- AP Joint AP

AP Joint also known as Asphaltic Plug Joint is installed onto a bridge gap that is less than 50mm. For bridge gaps that are more than 50mm, Expansion Joint is installed. The company uses top quality bitumen and tar as the main components for the joint systems.

ASPHALTIC PLUG/THORMA EXPANSION JOINT

BRIDGE & ROAD DIVISION

ELASTOMERIC EXPANSION JOINT

c. Elastomeric Expansion Joint

Elastomeric expansion joints are comprised of steel angles and steel bridging plate system encased in flexible elastomer. Elastomeric expansion joint is supplied in module lengths designed to be bolted to the structuraldeck on either side of the expansion joint in the structure.The features are heavy duty, long durability, movement accommodation up to 330mm, encased in corrosive resistant elastomer, watertightness and anti-skidding.

d. Walked and Displaced Rubber Bearing

SBE Engineering are involved in jacking works for walked bearing, moved bridge slab and replacing /servicing damaged mechanical pot bearing. We have all necessary equipment and expertise to conduct vertical and horizontal jacking.

BRIDGE JACKING (POT BEARING & RUBBER BEARING)

BRIDGE & ROAD DIVISION

COLUMN ENLARGEMENT

e. Column Enlargement (Column Jacketing)

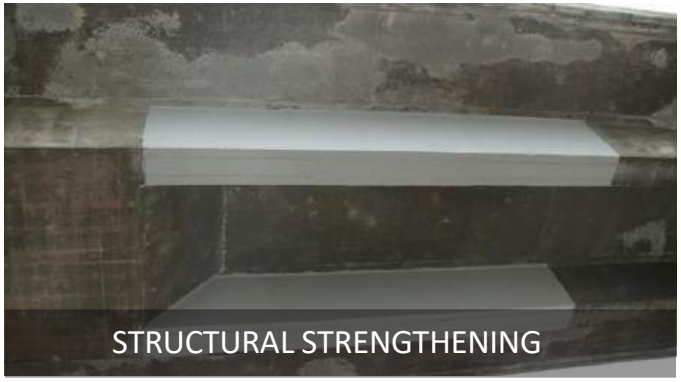
To repair spalled and delaminated concrete columns, our repair method is by Jacketing. Firstly, we will hack off the loose concrete until sound concrete is reached. Subsequent treatment will be by applying a layerof zinc rich primer and adding extra rebar to strengthen the corroded reinforcement segment.To reconstruct the column, HDPE formwork will be used to contain the micro concrete or specific designed grout.

f. Structural Crack Repair

The primary work conducted is known as visual inspection to determine the crack condition. This is followed by detail inspection, data collection and monitoring and finally proposing the appropriate method. The methods are divided into epoxy coating and polyurethane injection depending on the intensity of the crack condition.

STRUCTURAL CRACK REPAIR

BRIDGE & ROAD DIVISION


STRUCTURAL STRENGTHENING

g. Structural Strengthening

We have been using carbon fibre wrap, carbon fibre plate and steel plate bonding to strengthen weak and damaged structures. We have our in-house engineers and consultants to help design these repair methods.

h. Abutment Scouring

The most common repair methods for scouring are river realignment, construction of gabion, mattress, retaining wall, sheet piling and rubble pitching. The repair method depends on the affected site conditions.


ABUTMENT SCOURING

BRIDGE & ROAD DIVISION


BRIDGE MONITORING SOFTWARE & PROGRAM

i. Bridge Monitoring Software & Program

Bridge monitoring software is a wireless sensor network based software used to access the current condition of the bridge structure to determine whether any repairs or bridge strengthening is needed. Sensors are attached to the bridge while the sensor data is transmitted through communication network and analyzed using a software platform.

j. Corrugated Metal Pipe Culvert Strengthening

We use sleeving method to strengthen the damaged CMP culvert by inserting HDPE pipe or installing custom made steel liner plate inside the damaged culvert. These sleeving repair methods will not affect the traffic flow or pose any danger to the road users.


CORRUGATED METAL PIPE CULVERT STRENGTHENING

BRIDGE & ROAD DIVISION

PAVEMENT CRACK REPAIR

k. Pavement Crack Repair

These services are applicable on minor cracks of road pavement only. To rehabilitate the crack pavement, pouring of hot bituminous binder along the crack line or by injecting (only where applicable).

l. Potholes Patching

We produce our own instant patch - cold mix for road pavement potholes patching. We cut the pavement to the required size, depth and pour our cold mix until properly filled and compact it with handheld vibrator.

POTHOLES PATCHING

SLOPE DIVISION

Extreme weather changes and also human activities may lead to slope instability. This division involves slope rehabilitation in the form of soil strengthening and maintenance. SBE Engineering ensures to provide good long term and sustainable improvement for every slope rehabilitation/prevention project.

SURFACE EROSION CONTROL

a. Surface Erosion Control

We have the latest technology to treat barren slopes- a specially formulated and fertilized mulch soil 'Pro Ganics' for spraying on shale, rocky, hard or steep surfaces. To treat acidic soil, we use agricultural lime to neutralize the soil PH prior our vegetation growth treatment with our specially designed mulch and Signal grass seedlings added.

b. Slope Stabilization and Strengthening

Slope stabilisation and strengthening works involve soil nailing, micropiling, borepiling, gabion construction, geogrid and Excel Web. These are the most commonly used methods to stabilize slope.

SLOPE STABILIZATION & STREGTHENING

Trade Business Division

The Trade Business Division involves mainly in road safety accessories supply and installation services. Road safety accessories are essential for all types of construction and civil engineering use. To provide a high degree of safety for all road users, these accessories are essential to be utilized.

a. Road Safety Accessories

SBE Engineering supplies a wide range of top quality road safety accessories such as road safety cones, solar blinkers and also other equipment products like asphalt warmer container, hydro mulching spraying machinery. Apart from supplying, SBE Engineering also offers installation services for the road safety accessories.

ROAD ACCESSORIES

Our Featured Partners

SBE Engineering believes in using the latest technology and most effective products for every project that is assigned to the company. With a comprehensive range of products, clients are able to find the most suitable product to match the requirements required. Among the major products that SBE Engineering carry are as stated below:

Our Strengths

0 defects reported on every bridge expansion joint during the bridge jacking process.
10 years of experienced and skillful ground men to handle the company's physical labour works onsite.
20 years of combined experience management team that ensures all projects are conducted properly and within the specific time frame.
200 loyal local workers to provide the best quality of workmanship with precision.
800 m2 of Flexterra per day/one team stands as the company's highest achievement target for optimum surface coverage.

Our Featured Product

Flexterra® HP-FGM™

High Performance Erosion Control

This biodegradable product is sprayed onto the surface of the slope using the hydro mulching spraying machine. Flexterra has a superior performance that can also be applied under wet conditions. For an ultimate erosion control, Flexterra collaborates with Futerra TRM (Turf Reinforcement Mat). Futerra provides a firm protection layer for natural vegetation ideally for steep slopes.

Our Clients

Since the year of establishment, SBE Engineering has worked with the Malaysian Government, semi Government companies and some large organisations. SBE Engineering has been involved with its clients' projects by bringing deep functional expertise to deliver real positive outcomes. The integrity of the company's work has been the fundamental ingredient to the combination of the clients and SBE Engineering success.