

THE MRT 7 PROJECT



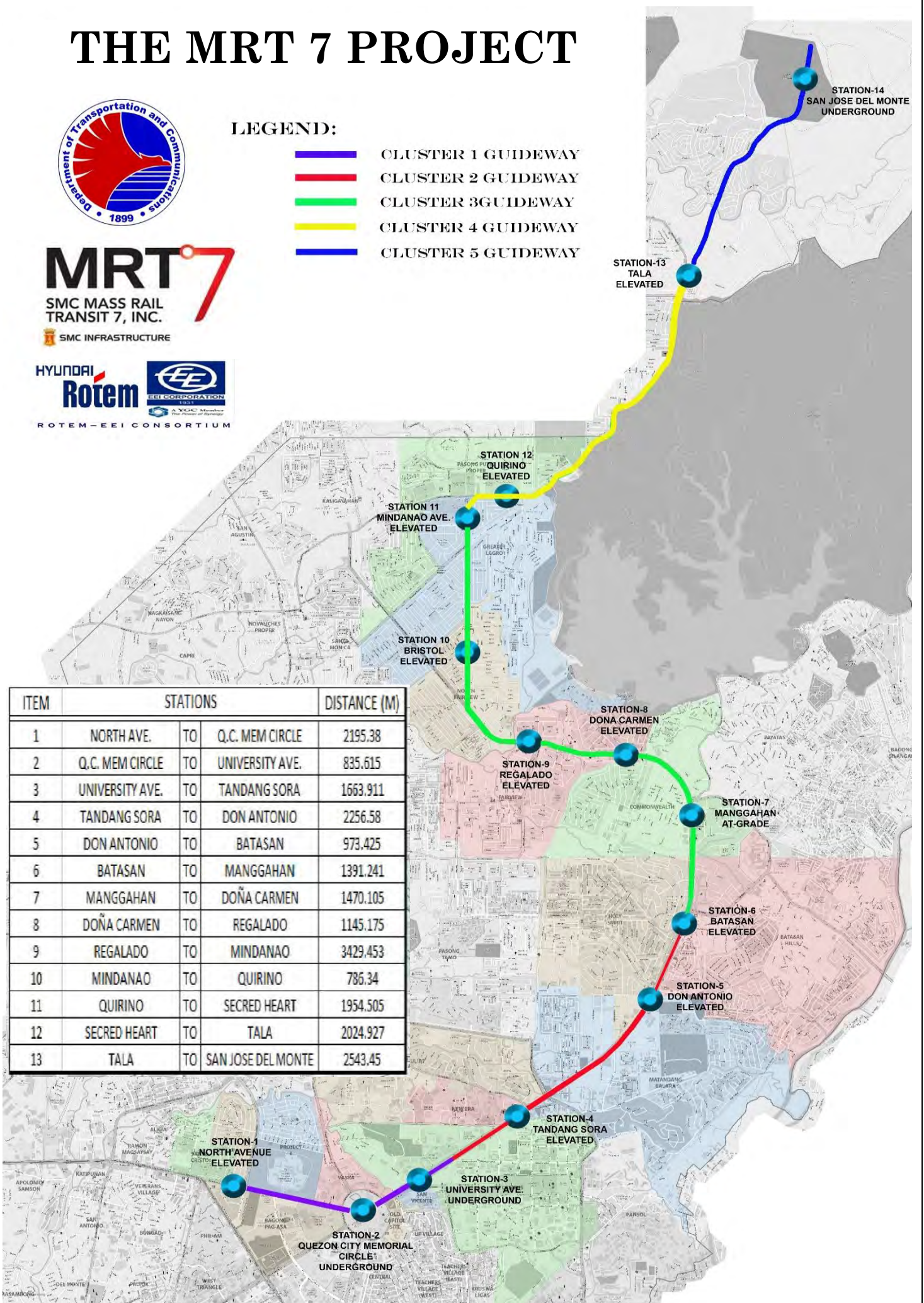
MRT7
SMC MASS RAIL
TRANSIT 7, INC.

SMC INFRASTRUCTURE



LEGEND:

- CLUSTER 1 GUIDEWAY
- CLUSTER 2 GUIDEWAY
- CLUSTER 3 GUIDEWAY
- CLUSTER 4 GUIDEWAY
- CLUSTER 5 GUIDEWAY



ITEM	STATIONS		DISTANCE (M)
1	NORTH AVE.	TO Q.C. MEM CIRCLE	2195.38
2	Q.C. MEM CIRCLE	TO UNIVERSITY AVE.	835.615
3	UNIVERSITY AVE.	TO TANDANG SORA	1663.911
4	TANDANG SORA	TO DON ANTONIO	2256.58
5	DON ANTONIO	TO BATASAN	973.425
6	BATASAN	TO MANGGAHAN	1391.241
7	MANGGAHAN	TO DOÑA CARMEN	1470.105
8	DOÑA CARMEN	TO REGALADO	1145.175
9	REGALADO	TO MINDANAO	3429.453
10	MINDANAO	TO QUIRINO	786.34
11	QUIRINO	TO SECRED HEART	1954.505
12	SECRED HEART	TO TALA	2024.927
13	TALA	TO SAN JOSE DEL MONTE	2543.45

BRIEF DESCRIPTION OF THE PROJECT

The project involves the implementation of an integrated transportation system under the Build-Gradual-Transfer-Operate and Maintain (BGTOM) arrangement with components, namely: The Metro Rail Transit System (MRTS), The Highway, and the Intermodal Transportation Terminal (ITT). It also includes a joint station with MRT Line 3 at EDSA corner North Avenue, Quezon City and LRT Line 1.

The end station of the project in San Jose del Monte shall be connected to NLEX by an open road consisting of at least six (6) lanes highway to the Bocaue interchange of the North Luzon Expressway.

OBJECTIVE OF THE PROJECT

The objective is to address the transportation needs of passengers and alleviate the traffic congestion in Metro Manila, particularly traffic going to and coming from Northern Luzon.

COMPONENTS OF THE PROJECT

1. Metro Rail Transit System (MRTS)

A 22km rail transit system with 14 stations¹; from North Ave Station to San Jose del Monte, Bulacan. MRTS shall include 108 Rolling Stocks, E&M Systems, & Depot.

a) Rolling Stocks

At present, **108** cars are already completed. The shipment of the completed train sets is currently on hold awaiting the availability of the holding area/depot.



b) The Depot Area

The Depot is about 33.2 hectares of land located in Tungkong Mangga, San Jose del Monte Bulacan. It comprises the stabling/maintenance area for **150** car-train, Intermodal Transportation Terminal (ITT) and the final Station (SJDM).

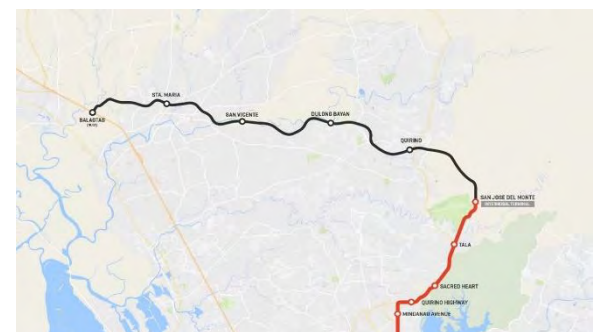
At present, the construction of the Depot is suspended due to Right-of-Way acquisition (ROWA) issue (under expropriation process).



2. Highway Component

Complimentary to the MRTS is the 6-lanes 22 km highway that will connect the Intermodal Transportation Terminal (ITT) in San Jose del Monte, Bulacan to Bocaue/Balagtas Interchange North Luzon Expressway (NLEX).

The road will pass thru the municipalities of San Jose Del Monte, Sta. Maria, Pandi, Bocaue and Balagtas.



3. The Intermodal Transportation Terminal (ITT)

The ITT is located adjacent to the Depot which can accommodate 60 buses at any given time, complete with facilities, i.e., passenger waiting areas, lounges, ticket booths, etc.

PROJECT TIMELINE

Effectivity of CA	February 19, 2016
Groundbreaking Activity	April 20, 2016
Commencement of Construction	August 2016
Original Target Completion	August 2019
Partial Operation	4th Quarter of 2021
Construction Period	42 months
Concession Period (CA)	25 years

PROJECT STATUS

**A. The Metro Rail Transit System (MRTS)
EPC CONTRACT**

The total accomplishment as reported was registered at **44.98 %** broken down as follows:

Particulars	Physical Accomp.	Remarks/Status
I. Civil Works	37.49 %	
i. Guideway		Ongoing guideway construction (14,000m out of 23,200m) along Sta. 2,4,5,6,7,8, & 9.
1. Underground/Depressed		Excavation/concreting works in progress.
2. At Grade		Excavation/concreting works in progress.
3. Elevated		Installation of coping beam, girder & trans-slabs are in progress.
i. Stations		Ongoing construction on 9 Stations.
1. Elevated		On-progress.
2. Underground/Depressed		On-progress.
II. Rolling Stock and E&M Works	53.09 %	The shipment of the 1st trains which is available January 2018 was deferred due to unavailability of the holding/depot area. At present, 108 cars are already completed.
Total Accomplishment	44.98 %	As of June, 2019

**Financial Report as of June 2019, the total disbursement reported is 29.49%.*

PROJECTED TRAVEL TIME

The estimated travel time from North Avenue to San Jose Del Monte, Bulacan is **34 minutes** or 68 minutes loop time and a **Headway of 2 minutes**.

ESTIMATED TRAFFIC PROJECTION

The MRTS shall have an initial passenger peak-hour capacity of approximately **28,000** and an ultimate peak-hour capacity of 38,000 passengers.

The estimated passenger projected at the time when the project was conceptualized was **300,000** during the 1st year of operation and shall reach the maximum projection of **850,000** passengers per day on the 12th year

PASSENGER CAPACITY

Load Condition	Passengers per Car		Passengers per Train
	DM-Car	T-Car	3-Car
Designed based on AW3 Vehicle seated load plus standees at 7.60 persons/m ²	323	361	1,007

Note: Initial operations will use 3-cars per train set using 2DM Cars and 1 T-Car

STATIONS PERSPECTIVE DESIGN



01 North Avenue (Elevated)



08 Doña Carmen (Elevated)



02 Quezon Memorial Circle (Depressed)



09 Regalado (Elevated)



03 University Avenue (Depressed)



10 Mindanao Avenue (Elevated)



04 Tandang Sora (Elevated)



11 Quirino (Elevated)



05 Don Antonio (Elevated)



12 Sacred Heart (To be changed from at-grade to elevated)



06 Batasan (Elevated)



13 Tala (Elevated)



07 Manggahan (At-Grade)



14 San Jose Del Monte (Depressed)