

# LBR LBO Infrastructure Summit 2016 – “Realizing The Transformative Power of The Western Region Development: Opportunities and Challenges”



# INTEGRATED MOBILITY

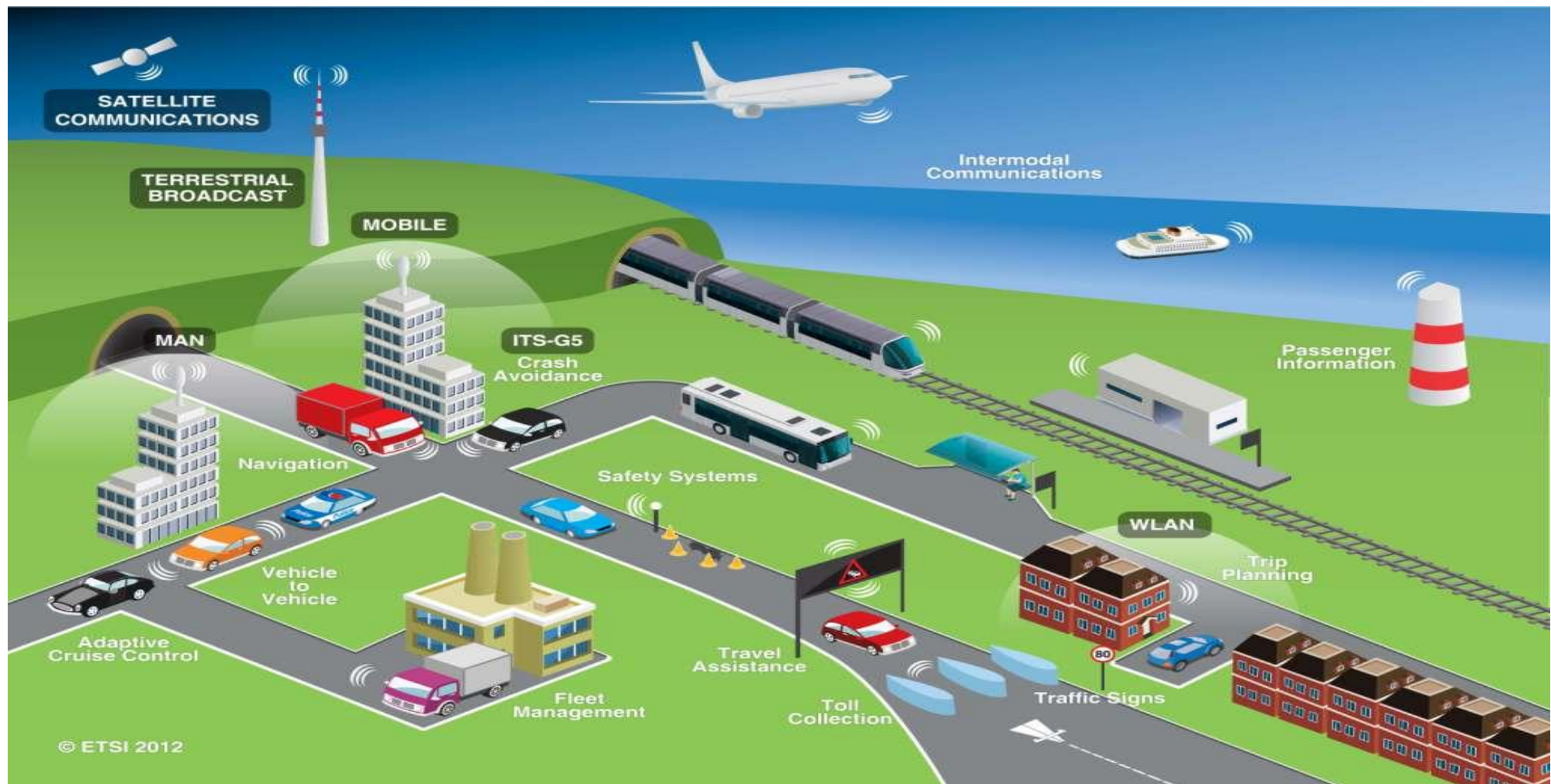


# SEAMLESS CONNECTIVITY

CUs<sub>TOMER</sub> ? ? ? ? ? ? ?







# COMMAND & CONTROL CENTER







# REAL-TIME INFORMATION OF EVERYTHING

- Includes:
  - Travel times
  - Crowdedness in buses / trains
  - Arrival times of buses, trains, and taxis
  - Queue lengths at junctions and stations
  - Parking availability
- Achieved by embedded sensors, satellite trackers, HD cameras, and crowd sourcing



## NEW YORK REGION





# CENTRAL PARK



© Brooks/Cole, Cengage Learning



# NEW YORK CITY SUBWAY





# NYC TRANSIT AT A GLANCE

Subway Cars	6,300
Buses	5,710
Subway Stations	468
Annual Subway – Bus Ridership	2.5 Billion
Subway (1.7 B)	
Bus (.7 B)	
Riders/Weekday	7.7 Million
Track Miles - total	814 Miles
Track Miles --mainline	650 Miles

## PATH TERMINAL WTC





## PATH TERMINAL WTC







# FULTON CENTER



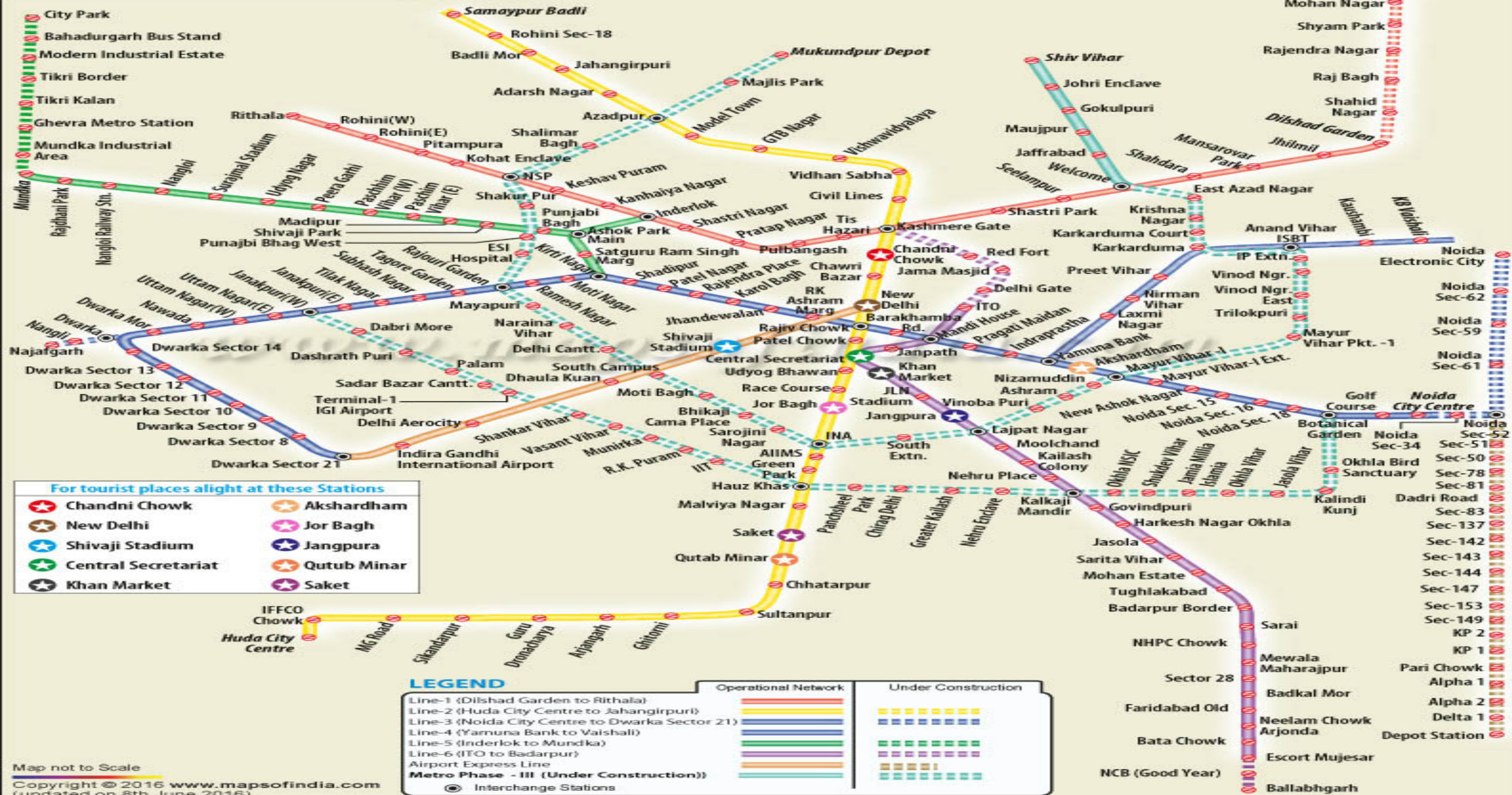






# DELHI METRO MAP

## Phase-I, II & III





# DELHI METRO



# DELHI METRO





# DELHI METRO





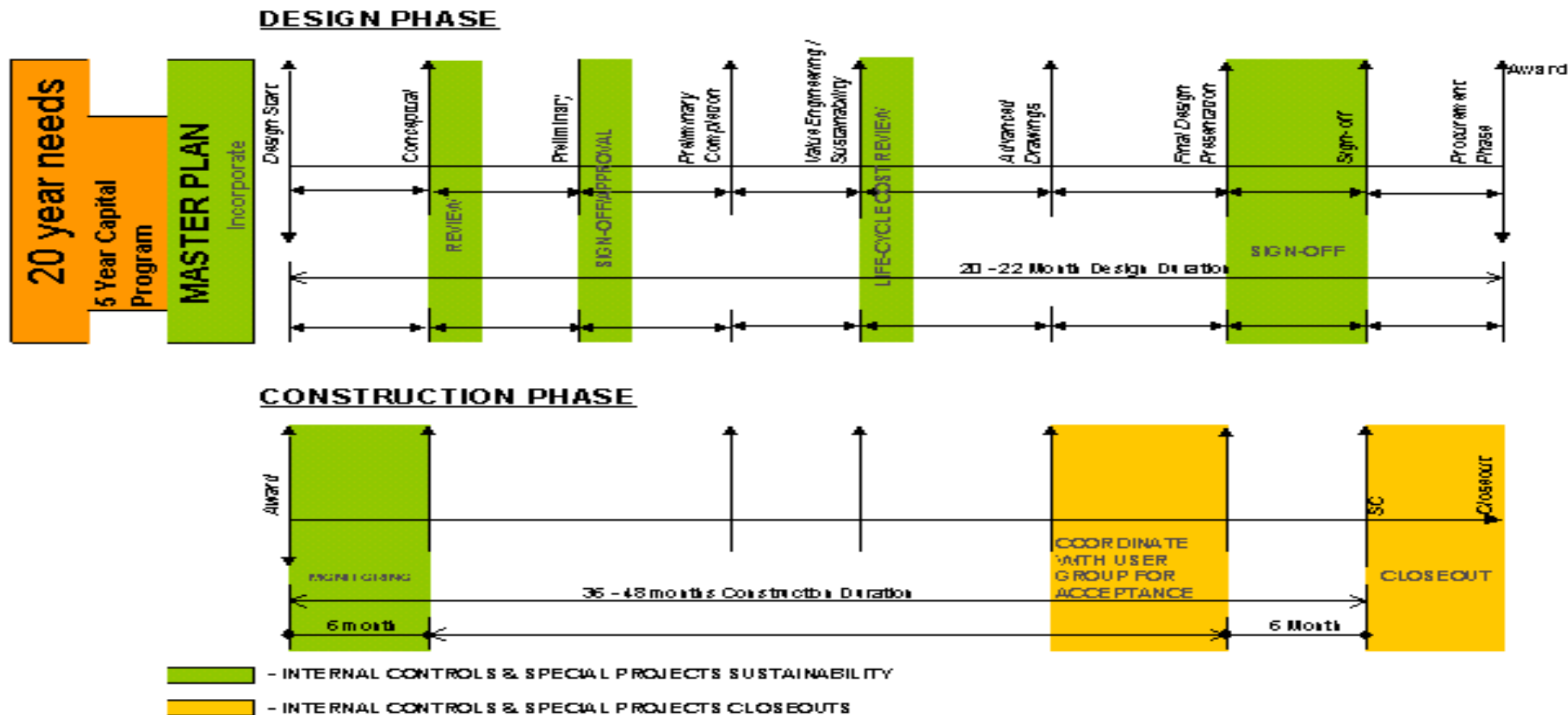


Circa 1970



Yesteryear -The way things were

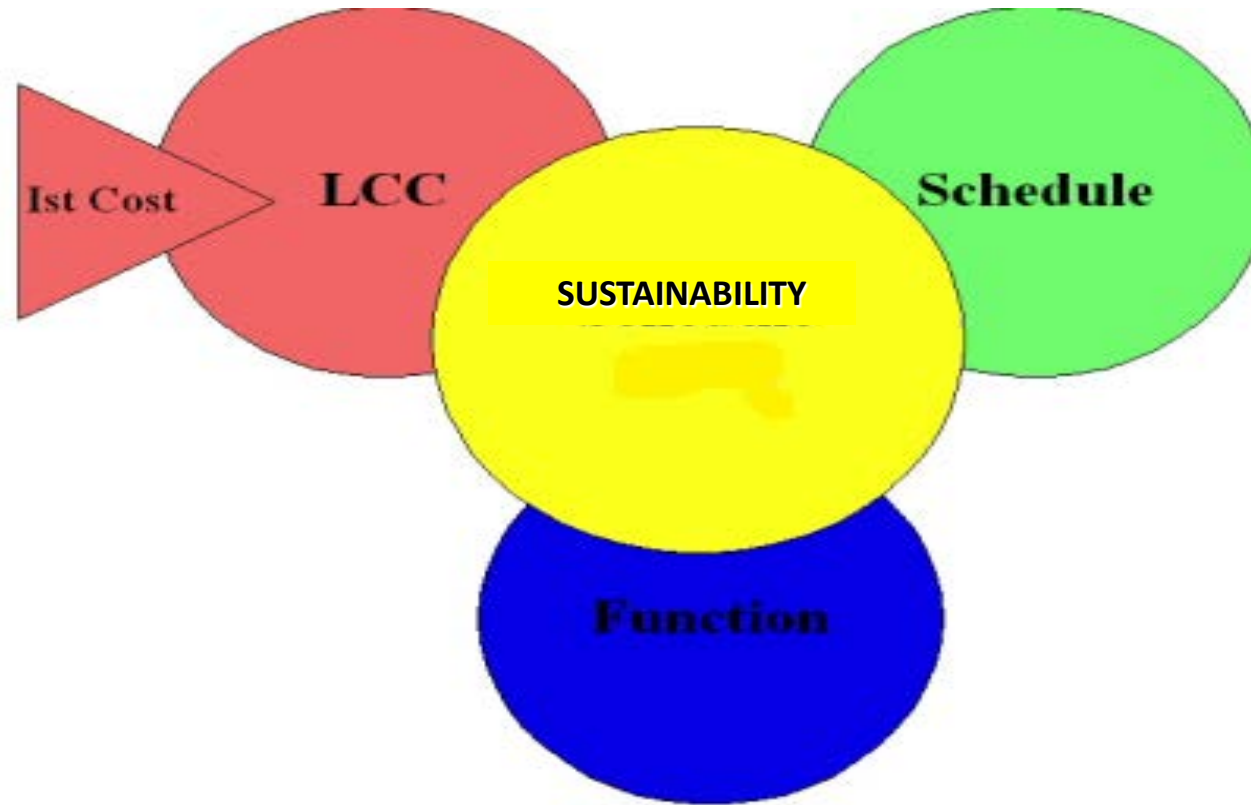




### AREAS OF SUSTAINABILITY DURING A PROJECT'S LIFE

Rev. 09/01

# LIFE CYCLE ANALYSIS AND COST







# What's Going On Here?

This contract is being brought to you  
by the Metropolitan Transportation Authority

The name of this contract is:  
72nd Street Station Cavern Mining, Tunnels,  
and Heavy Civil Structures

The contract ID is:  
C-26007

New York City has a variety of projects, both public and private, which when completed will improve the quality of life for all New Yorkers. Whether it's new building construction, road repairs or park improvements, each effort will make New York a better place to work, live and visit.

Here on Second Avenue a new State of the Art Subway line is being built that will serve the East side of Manhattan and relieve congestion on the Lexington Avenue Line. This is one of several contracts that is part of the Second Avenue Subway Project. The Second Avenue Subway Project is scheduled to be completed in 2016.

Work on this contract is scheduled to be  
completed by October 31, 2013

Thank you for your patience.

**For more information on this  
project, visit**

**<http://www.mta.info/capconstr/sas>**

**And/or call (212) 792-9716**

**If you see an unsafe condition at this site, please dial 311**





# VISION

A sustainable infrastructure where our needs are met without compromising the needs of future generations

