TRANSPORT
Increasing sustainability by facilitating rapid public transportation

Christian Mendoza
Mario Sanchez
Mark Trujillo
The Project

• **TRANSPORT**: A comprehensive transportation terminal facilitating public transportation access for the residents of Los Angeles that incorporates important aspects of environmental sustainability

• Proposed location situated in an empty land parcel bordered by Venice, National, and Exposition boulevards
Parameters and Goals

- The transportation terminal must be accessible to a variety of users and needs
- Increasing public transportation efficiency and speed
- The space will also function as a multi-story parking structure
- Important aspects of sustainability must be implemented into aspects of the space and structure
Construction

- Remove old concrete and treat soil to eliminate as many pollutants and toxins that may leak into water
- Install permeable concrete
- Benefits: controls flooding, captures as much groundwater to treat it and use as graywater
Terminal Building Aspects

- LEED certified multilevel parking structure
- Cisterns (to collect rainwater)
- Green trellises and walls
- Rain Garden
- Multiple entrances and exits
Terminal Building

- Well insulated walls and roof, high quality casement windows, and very tight air barrier. Why?
- Maximize the use of insulated glass to allow for natural lighting
- Extend the number of bike lids to increase the bike capacity from 20 to about 200.
- Use solar panels to provide not only electricity but to provide shade to commuters waiting to aboard a bus
Terminal Layout

• Roundabout entrance and exit to increase efficiency
• Upwards ramp leading to multiple parking levels
• Accessible to pedestrians around borders of entrance
• New streetlights on National Blvd
• Waiting area covered by solar panels on side of terminal
• Rain garden on side of terminal
Increasing transfer speed

• Pre-paid waiting stations for buses
• Dedicated street lights for transportation terminal
• Prioritizing street lights for buses
• Limited stops during rush hour
Bikes

• Ability to accommodate bike riding commuters
• Dedicated bike lines within a reasonable radius
• Use of bike lids instead bike lockers
• Bike servicing stations
Amenities

- Why?
- Parking
- Wi-Fi
- Café
- Restrooms
- Information terminals
- Aesthetics