Appendix C2. Scoping Meeting PowerPoint Presentation
Agenda

• Meeting Objectives
• Project Overview
• Alternatives Analysis Recap
• Project Need and Objectives
• Draft Environmental Impact Study (EIS)/Environmental Impact Report (EIR) Alternatives
• Evaluation Criteria and Environmental Issues
• Comments
Scoping Meeting Objectives

- First step in the environmental clearance process.
  Consistent with:
  - National Environmental Policy Act (NEPA)
  - California Environmental Quality Act (CEQA)

- **Scoping Meeting Objectives:**
  - Describe Draft EIS/EIR Process
  - Solicit Comments on:
    - Project need and objectives
    - Alternatives under consideration
    - Evaluation criteria / methodologies
    - Environmental issues to be addressed

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Five phases of project development:

- Environmental (EIS/EIR): Completed December 2009
- Engineering
- Construction
- Transit Service
- Future Phases
Project History

- **1990s-2008:** Initial studies of Harbor Subdivision ROW
- **Jun. 2008 – Nov. 2009:** Harbor Subdivision Alternatives Analysis (AA) Study analyzed transit alternatives along the Harbor Subdivision
- **Nov. 2008:** Measure R approved, providing partial funding for a Metro Green Line Extension
- **Dec. 2009:** Metro Board approved AA Study results and preparation of Draft EIS/EIR
- **Early 2010:** Begin Draft EIS/EIR
Harbor Subdivision Alternatives Analysis

- **Study Area:**
  - Downtown Los Angeles, Los Angeles International Airport (LAX), South Bay and the Harbor area

- **Initial Alternatives Examined Included:**
  - 6 bus and rail vehicle options
  - 25 routing / terminus options between Downtown, LAX and the Harbor area

- **Four Build Alternatives:**
  - Local North: Local service from Los Angeles Union Station (LAUS) to LAX
  - Local South: Local service from LAX to Harbor area
  - Regional: Regional service from LAUS to Harbor area
  - Express: Express (non-stop) service from LAUS to LAX

- **Phased Implementation Strategy:**
  - Priority 1: Local South Alternative from Metro Green Line Redondo Beach (Marine) Station to Torrance RTC
South Bay Metro Green Line Extension

- 29 square-mile Study Area from LAX area through South Bay to Torrance
- Includes portions of nine jurisdictions:
  - Inglewood
  - Los Angeles
  - El Segundo
  - Hawthorne
  - Manhattan Beach
  - Lawndale
  - Redondo Beach
  - Torrance
  - Unincorporated Los Angeles County
    - Lennox
    - Del Aire
The South Bay Metro Green Line Extension is included in Measure R
Draft EIS/EIR
What are we analyzing?

April/May 2010
EIS/EIR Purpose/Process

- **Draft EIS/EIR:**
  - Define/refine alternatives
  - Study potential benefits/impacts of alternatives
  - Evaluate measures to avoid, minimize and mitigate reasonable adverse impacts
  - Selection of a Locally Preferred Alternative (LPA) by the Metro Board

- **Final EIS/EIR:**
  - Response to comments received after circulation of Draft EIS/EIR
  - Response to potential engineering issues
Project Need

- Access to Major Activity Centers
- Heavy Traffic Congestion (Arterials and Freeways)
- Long Transit Travel Times
- Transit Schedule Reliability
- Challenging Transit Connections
- Limited Access to the Metro Rail System
Project Objectives

- Improve mobility in South Bay area by introducing high-frequency transit service options
- Enhance the transit network by providing more direct connections to travel destinations
- Provide an alternative mode of transportation for commuters using the congested I-405 corridor
- Improve transit accessibility for residents along the corridor
- Encourage a mode shift to transit, reducing air pollution and greenhouse gas emissions
Alternatives

- No Build
- Transportation Systems Management (TSM)
- Light Rail
- Freight Track
No Build and TSM Alternatives

No Build:
- Represents the Study Area in 2035 if the Project is not built
- Includes all existing highway and transit services and facilities, and the committed highway and transit projects specified in:
  - Southern California Association of Governments (SCAG) 2008 Regional Transportation Plan (RTP)
  - Metro 2009 Long Range Transportation Plan (LRTP)

TSM:
- Low cost improvements to the No Build
- Includes:
  - Intersection improvements
  - Signal synchronization
  - Rapid bus line that resembles service of the Build Alternatives
Light Rail Alternative Route & Stations

- Extend Metro Green Line 4.6 miles from existing Redondo Beach (Marine) Station to proposed Torrance Regional Transit Center (RTC)

- Operate on two light rail tracks next to existing freight track within Harbor Subdivision ROW

- Serve up to four new stations with bus transfer facilities and potential park-and-ride lots:
  - Manhattan Beach/Inglewood
  - Redondo Beach RTC
  - Hawthorne/190th
  - Torrance RTC
Light Rail Alternative Vehicles

- Electrically powered by overhead wires
- Vehicles can be linked together to accommodate up to 500 passengers per 3-car train
- Requires traction power substations every mile along tracks
- LRT vehicles already operate on existing Metro Blue, Green and Gold Lines and will operate on the planned Crenshaw/LAX Transit Corridor
Freight Track Alternative Route & Stations

- 8.7-mile rail line from LAX area to proposed Torrance RTC
- Operate on upgraded freight track in the Harbor Subdivision ROW
- Serve up to four new stations with bus transfer facilities and potential park-and-ride lots:
  - Century/Aviation or Aviation/LAX
  - Douglas or Redondo Beach (Marine)
  - Redondo Beach RTC
  - Torrance RTC

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Freight Track Alternative Vehicles

• **Light Self-Propelled Railcar (SPR)**
  - Railcars powered by non-electric sources (diesel, fuel cell, hybrid technology, etc.)
  - Cannot operate at same time as freight – freight service would be moved to late night/early morning hours
  - Accommodates up to 675 passengers per three-car train
  - Example: Sprinter (San Diego County)

• **Freight-Compatible SPR**
  - Similar to Light SPR, but heavier vehicles that can operate at same time as freight
  - Accommodates up to 380 passengers per three-car train
  - Example: Westside Express Service (Portland)

• **Commuter Rail Transit (CRT)**
  - Locomotives pushing or pulling unpowered passenger coaches
  - Can operate at same time as freight
  - Accommodates up to 426 passengers per three-car train
  - Example: Metrolink
Evaluation Criteria

- **Transportation System Performance**
  - Travel Time Reliability
  - System Connectivity
  - Intermodal Compatibility
  - Accessibility
  - Vehicle Efficiency

- **Cost Effectiveness**
  - Capital & Operating Costs
  - Ridership & User Benefits
  - Financial Feasibility

- **Community Acceptability**
  - Service Attractiveness
  - Community Integration
  - Public Meeting Input

- **Environmental Benefits & Impacts**
  - Acquisitions / Relocations
  - Construction Impacts
  - Traffic / Intersection Operations
  - Air Quality
  - Visual / Aesthetics
  - Noise / Vibration
  - Economic Development
  - Cultural Resources
  - Parklands
  - Equity / Environmental Justice
  - Safety / Security
  - Transit-Supportive Land Use
Environmental Issues to be Studied

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Scoping Meetings

- **April 26, 2010, 6-8 PM**
  - Nakano Theater, 3330 Civic Center Dr, Torrance, 90503

- **April 28, 2010, 6-8 PM**
  - North Redondo Senior Center, Perry Park, 2308 Rockefeller Ln, Redondo Beach, 90278

- **May 1, 2010, 10 AM – 12 PM**
  - Lawndale City Hall, 14717 Burin Ave, Lawndale, 90260

- **May 5, 2010, 6-8 PM**
  - Automobile Driving Museum, 610 Lairport St, El Segundo, 90245

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Opportunities to Provide Input

April/May 2010

Please submit comments by May 28, 2010

- Complete Comment Card at Meeting
- By Mail:
  Randy Lamm, Project Manager
  One Gateway Plaza – MS 99-22-3
  Los Angeles, CA 90012
- By Phone:
  (213) 922-4004
- By Email:
  southbayextension@metro.net
- On the web at:
  http://www.metro.net/projects/southbayextension
  (Click on “Contact Us”)
- On Facebook at:
  South Bay Metro Green Line Extension
Your Turn to Comment

• Comments
  – Please restrict comments to two minutes

• Key topics we want to hear about:
  – Purpose and Need for Transit Improvements
  – Alternatives to be Evaluated
  – Benefits/Impacts to be Evaluated

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