

MEASURE R IMPLEMENTATION

BUS OPERATIONS PROJECTS

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Metro

Measure R Project Delivery

Project Categories

- **Sector needs through the Short Range Transit Plan process and solicitation of ideas at January council meetings**
- **Improve service quality through speed, reliability, direct travel, network connectivity**
- **Improve customer amenities, safety, information, and support**
- **Improve access to rail system and support joint development**

Note: Specific projects may be adjusted given future needs, funding constraints, and direction by the board.

Rapid Bus Improvements

- **Coordinate with Los Angeles Department of Transportation (LADOT) for signal priority infrastructure to support expansion of Rapid network.**
- **Implement three Rapid Lines that were recommended in the Metro Rapid Mid-Term Program Review.**
 - Implement Rapid Line on Venice Blvd to improve access from Westside to Central Business District by end of FY10 or first half of FY11 (dependent on timing of funding to LADOT for signal priority on corridor).
 - Implement Sunset by FY12.
 - Implement Avalon by FY13.
 - Consider future expansion lines proposed by Sector Councils on LaBrea, Sepulveda and Slauson Blvds.
- **Upon completion of construction, operate the Chatsworth Orange Line extension by FY12.**

Express Line Improvements

- **Add more limited and express services to reduce commute times and improve point to point connectivity and to improve regional connectivity.**
 - Review options as Long Beach to LAX, South Bay to SFV and West Los Angeles to Long Beach. Implement by FY12 and FY13.
 - Review options for SFV to Westwood or SFV to West LA.
 - Review Burbank-Glendale-Pasadena express service options to implement by FY11.
 - Long Beach-Orange County.
- **Improve security at Silver Line transitway stations by FY11.**
- **Review Orange Line Express service, if feasible implement by FY10.**
- **Complete study of Van Nuys Bus Rapid Transit (BRT) and operate upon completion of construction.**



Local Bus Improvements

- **Implement projects to improve service quality and perception of bus service including amenities, equipment and customer information.**
 - **Equipment:**
 - Replace Diesel buses at Division 6 in Venice with Compressed Natural Gas and Hybrid buses by FY12.
 - Replace buses for contract lines by FY12.
 - Procure 400 additional 45-foot buses between FY10-13.
 - **Customer Information**
 - Complete the implementation of 511 Service and internet Trip Planner by September 2009.
 - Fully implement Next Bus technology and integration with Advanced Transportation Management System (ATMS) to provide web-based reports, maps (real-time vehicle location) for improved customer information by FY10 for high demand lines.

Local Bus Improvements

– Service and Amenities

- Seek funding in Call for Projects for Transit center at terminus of Metro Gold Line Eastside Extension (MGLEE)- FY10.
- Coordinate with municipal operators to partner on transit center improvements (Artesia Transit Center with Torrance Transit)- FY10
- Implement dedicated Bus Only Lane service on high capacity bus corridors, Wilshire and Van Nuys Blvds, upon completion of environmental clearances and status of grant funding.
- Improve coordination with municipal operators to provide coordinated service on county-wide basis.
 - Improve coordination with North County bus operators (Antelope Valley Transit Authority and Santa Clarita).
 - Coordinate with LADOT for service in Mt. Washington area.
- Coordinate with LADOT for signal priority to increase bus speed
- Improve frequency and increase minimum headways to 30 min peak and 45 min off-peak.
- Add new services to fill gaps in system to expand regional service
- Consider more service on Wilshire Blvd.
- Add more North/South service on four corridors in SFV: Lankershim, Reseda, Sepulveda and Van Nuys Blvds.
- Implement amenities at regional and sub-regional hubs identified in Metro Connections Facilities Plan.
- Improve on-time performance and service quality



Improved Service for Seniors

- **Expand Volunteer Travel Training Program by the end of FY10.**
 - Expand program using volunteers who are older adults to coach other older adults on how to use public transportation in Los Angeles County to increase exposure, ridership potential and transition this segment of the population from automobile to transit.
- **Implement Seniors on the Move Program by end of FY10.**
 - Fully implement Seniors on the Move which is a formal 2-½ hour workshop for seniors. Provide training at a senior centers or senior residential facilities and instructs seniors on how to use public buses and trains. Expands access to public transit for a growing demographic segment.

Improved Services for Disabled

- **Implement improved services for Visually Impaired by end of FY10.**
 - In FY10, increase services for visually impaired including upgrading the web site to Worldwide Web Consortium (W3C) compliancy, providing Braille schedules, and improving signage on buses, customer information service improvements.
- **Fully implement county-wide program for securement of wheelchair patrons by FY11.**
 - Fully implement wheelchair marking and tether strap program to secure wheelchair riders on public transportation vehicles. This increases safety and reduces injuries and accidents.

Increased Bus Service to Rail Stations

- Implement the bus/rail interface plan for MGLER in June 2009.
- Feed new Rail service as it is opened (Expo Phase 1 and 2 and Purple Line extensions).
 - FY09 and FY10: Develop Bus/Rail Interface Plan for Expo Phase 1 (secure critical bus layover space at La Cienega Blvd and Culver City Stations) to feed rail lines.
 - FY 09 and FY10: Develop Bus Plan to support mitigation plans for Washington and Flower junction.
 - FY12: Develop Bus/Rail interface plan for second Expo Phase.
 - FY13/14: Develop bus/rail interface plan for Purple Line.

Increased Bus Service to Rail Stations

- **Expand Parking capacity at rail and bus BRT stations.**
 - Expand parking capacity by 5% at congested stations (Artesia, Lakewood, Norwalk, Sierra Madre, Imperial, and Aviation) by end of FY10 by working with churches and businesses to provide parking spaces in their off-peak hours.
 - Work with Caltrans to transition Right-of-Way responsibility to us by end of FY10 for Metro Blue Line and Green Line parking lots to improve the accountability and coordination of maintenance and security issues.
 - Coordinate with Metro Real Estate and New Business Development departments to ensure adequate parking is designed into in all future development and station and terminus planning.

Safer Bus Stops

- Implement solar lighting project for bus stops based on availability and testing of reliable technology.
- Improve transit amenities at County Hospital.
- Improve security at transitway stations.
- Study construction of underground connection between Metro Red and Orange Lines.
- Complete pedestrian bridge from Universal City Station to Universal Studios.
- Add WB Busway station at Patsaouras Plaza.
- Add Near Field Communications capabilities (cell phone chip technology) to bus stops to provide line/schedule information to waiting passengers.

Live-Work Opportunities

- **Coordination with Metro Real Estate and New Business Development to incorporate bus transit access and amenities in joint development and transit oriented development projects.**
- **Consider transit centers to increase access to regional bus service.**
 - Burbank Airport

Bus Projects deliverables by fiscal year

FY10	FY11	FY12	FY13	FY14 & BEYOND		
<ul style="list-style-type: none"> ● Rapid/BRT <ul style="list-style-type: none"> ○ Enhance Florence & Manchester Rapids ○ Orange Line Express Feasibility ● Bus Speed Improvement <ul style="list-style-type: none"> ○ Wilshire Blvd. Service ○ New Point-Point Line ● Customer Convenience <ul style="list-style-type: none"> ○ Arrival info displays ○ Volunteer Travel Training Program ○ Web improv. for visually impaired ○ Seniors on the Move ● Procure add'l 45' buses ● More rail parking on Blue & Green lines 	<ul style="list-style-type: none"> ● Rapid/BRT <ul style="list-style-type: none"> ○ 2 new Rapid lines ○ New Point-Point line ● Customer Convenience <ul style="list-style-type: none"> ○ Wheelchair securement ○ Transitway security ○ Near Field Communications for bus stops ○ Passenger amenities at key transit centers ● Local Bus Improvements <ul style="list-style-type: none"> ○ N/S service in SFV ○ Improve frequencies on rail feeders ● Procure buses for contract lines 	<ul style="list-style-type: none"> ● Rapid/BRT <ul style="list-style-type: none"> ○ 2 new Rapid lines ○ New Point-Point line ● Customer Convenience <ul style="list-style-type: none"> ○ Improved amenities at County Hospital ○ On-Time Perf. Improv. 	<ul style="list-style-type: none"> ● Rapid/BRT <ul style="list-style-type: none"> ○ 2 new Rapid lines ○ New Point-Point line 	<ul style="list-style-type: none"> ● Pedestrian bridge for Universal Station ● Underground connection from Orange to Red Line ● Burbank Airport Transit Ctr ● Van Nuys BRT ● Wilshire Bus Only Lane 		
<h2 style="margin: 0;">Potential Services</h2> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><u>Rapids</u></p> <ul style="list-style-type: none"> ▪ Avalon ▪ La Brea ▪ Sepulveda ▪ Slauson ▪ Sunset ▪ Third ▪ Venice </td> <td style="width: 50%; vertical-align: top;"> <p><u>Point-Point Lines</u></p> <ul style="list-style-type: none"> ▪ 91 Fwy to Artesia TC ▪ Burbank-Glendale-Pasadena ▪ Long Beach-LAX ▪ South Bay-SFV ▪ West LA-Long Beach </td> </tr> </table>					<p><u>Rapids</u></p> <ul style="list-style-type: none"> ▪ Avalon ▪ La Brea ▪ Sepulveda ▪ Slauson ▪ Sunset ▪ Third ▪ Venice 	<p><u>Point-Point Lines</u></p> <ul style="list-style-type: none"> ▪ 91 Fwy to Artesia TC ▪ Burbank-Glendale-Pasadena ▪ Long Beach-LAX ▪ South Bay-SFV ▪ West LA-Long Beach
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