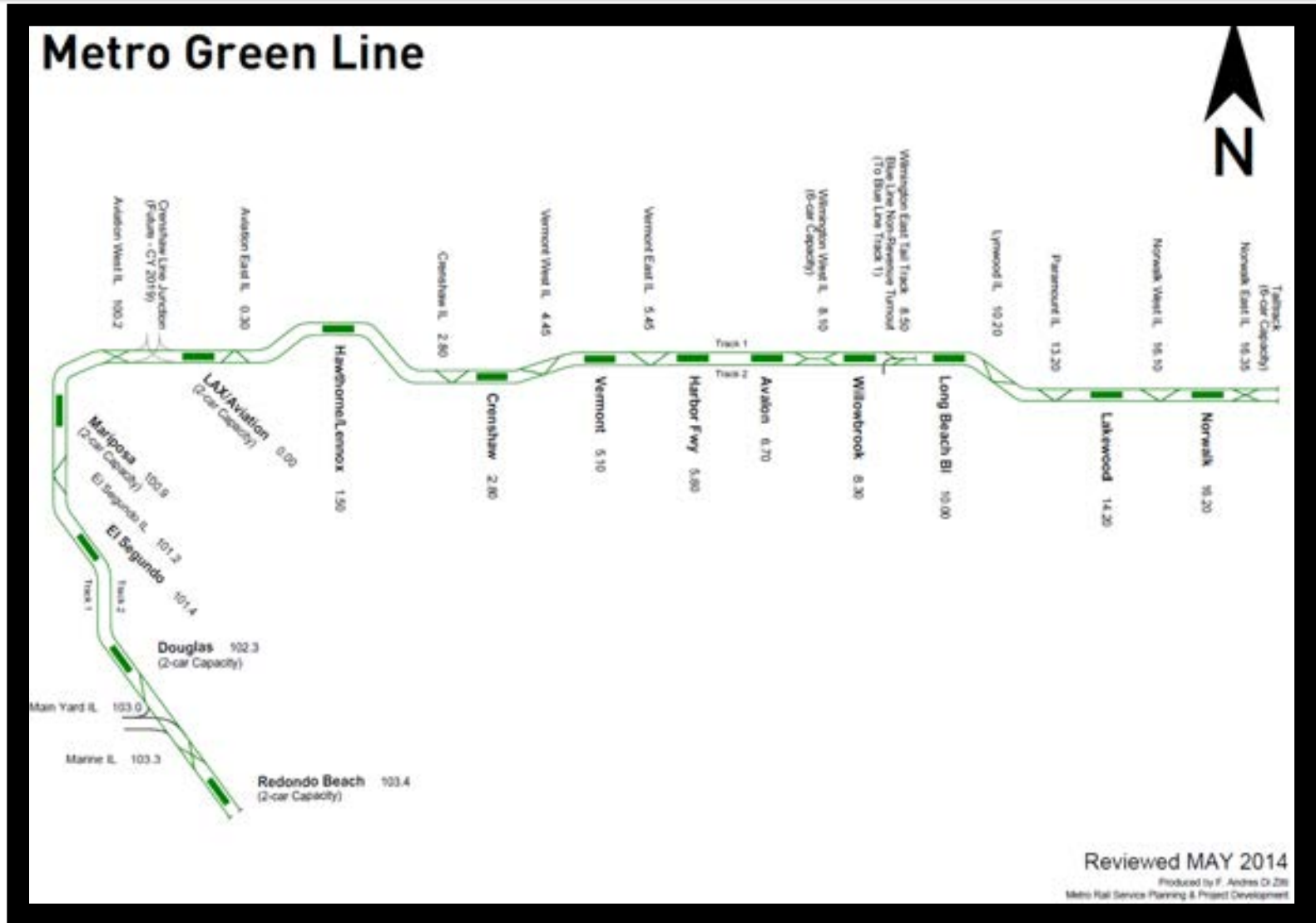


# GREEN LINE REHABILITATION / STATE OF GOOD REPAIR



**RAIL OPERATIONS - Green Line Work**

## Resignaling

- Replacement of MicroLok II train control system
- System upgrade to modern single processor
- Original system was designed for driverless train service with redundant processors
- 2 Year project beginning mid 2014 through 2016

## Prerequisite Testing

- Minimal impact to revenue service during nightly testing of new MicroLok II
  - May require some short van/bus bridge (Marine / Yard Interface)
  - May require Manual Train Operation or Automatic Train Protection Bypass train operation
- Signals / Rail Operations Control to coordinate on nightly/weekly test criteria

# GREEN LINE REHABILITATION / STATE OF GOOD REPAIR

## Project timeline

- August 2014 – 2017
- 2 year project
- Timeline for Marine to Aviation only at this time

GREEN LINE MICROLOK II REPLACEMENT PROJECT

## RESIGNALING TIMELINE



## PROJECT DETAILS

DATE	MILESTONE	POSITION
7/18/2014	Marine Start	10
9/22/2014	Yard Interface Start	10
10/6/2014	Douglas Start	15
10/10/2014	Marine Finish	-10
10/20/2014	El Segundo Start	20
11/3/2014	Mariposa Start	10
11/17/2014	Del Norte Start	20
12/3/2014	Aviation Start	15
1/16/2015	Yard Interface Finish	-5
1/2/2015	Douglas Finish	-10
1/16/2015	El Segundo Finish	-15
1/30/2015	Mariposa Finish	-20
2/13/2015	Del Norte Finish	-10
2/27/2015	Aviation Finish	-15



## Bus

- Bus bridge operations
  - ❖ Required for weekend closure to test, accept and sign-off on new MicroLok II system
  - ❖ Closure will be for affected station(s) between affected interlockings
  - ❖ Require 6 weeks notice to prepare public notification

## Rail

- Regular service to adjacent unaffected station(s)
- Operational requirements to be determined based on location requirements

## Schedules

- To be developed by Service Planning
- Total number of buses to be determined for weekend revenue requirements

# GREEN LINE REHABILITATION / STATE OF GOOD REPAIR

## CUSTOMER INFORMATION (Signage)

- Bus bridge station
- Closed stations

**Long Beach Closure**  
**Metro Blue Line**

Wardlow - Long Beach Transit Mall  
Fri, Feb. 8th (9pm - Close)  
Sat, Feb. 9th (Open-Close)

Willow - Long Beach Transit Mall  
Sun, Feb. 10th (Open-Close)

Blue Line Shuttle Pick up/Drop Off

Long Beach Loop

Metro  
Metro.net 323.60.METRO (323.444.3874)

**Blue Line**  
**SHUTTLE BUS**

**Destination:**

- Willow/Wardlow Station (Northbound)

METRO RAIL UPDATE  
Call 323.60.METRO or visit metro.net for more information.

Metro

**SERVICE ALERT**  
**METRO BLUE LINE**

Due to Railway work from the night of Friday, February 8th to the night of Sunday, February 10th, trips south of Wardlow & Willow must be completed using a Blue Line Shuttle Bus. See details below.

Debido a trabajo sobre las vías, desde la noche de Viernes, 8 de Febrero hasta la noche del Domingo, 10 de Febrero, los pasajeros que viajan mas al sur de Wardlow y Willow deberán completar su viaje por autobus. Vea detalles abajo.

**Affected Stations Include:**  
Estaciones Afectadas Incluye:

- Wardlow Station - Long Beach Transit Mall  
Friday, 2/8 (9pm - Close)  
Saturday, 2/9 (Open-Close)
- Willow Station - Long Beach Transit Mall  
Sunday, 2/10 (Open-Close)

METRO RAIL UPDATE  
Call 323.60.METRO or visit metro.net for more information.

Metro

**Blue Line**  
**SHUTTLE BUS**

**Destination:**

- Long Beach Transit Mall (Southbound)

METRO RAIL UPDATE  
Call 323.60.METRO or visit metro.net for more information.

Metro

# GREEN LINE REHABILITATION / STATE OF GOOD REPAIR

## CUSTOMER INFORMATION RESOURCING (Field Personnel)

- Ticket Vending / Revenue Collection
- Customer Service Information
- Rail Transit Operations Supervisor (RTOS) / Transit Operations Supervisor (TOS)

Function	Position Title	# of Positions
Bus Bridge	Bus Operators	To be determined for weekend revenue requirements
Bus Bridge	RTOS / TOS	2 (1 each)
Customer Information	Customer Information Agents	3
Revenue	Security & Revenue Staff	2 Security / 2 Revenue Collectors

# GREEN LINE REHABILITATION / STATE OF GOOD REPAIR

## COMMUNICATIONS PLAN

### Notification

- City officials, businesses & residents
- Metro customers

Blue Line Refurbishment Communications Plan					
TASK	DETAILS	DATES	STATUS	COMMENT	Responsible person
<b>CITY / AGENCY NOTIFICATION</b>					
Brief City of Long Beach (LB)	Hold regular (bi-monthly) briefing sessions with City of LB	Meet twice a week for project status updates	On-going		C. Valdez to coordinate meetings
Brief LB Transit and other service operators serving LB Transit Mall	Meet with Transit Operators on a monthly basis	To be decided at 1st meeting	In progress	Notification to Long Beach, Torrance, Metro Bus Ops and Dash Service	C. Valdez to coordinate
Update Metro Board on project status	Brief Ops Comm/full board on a monthly basis with Board Box Reports	Monthly reports to Ops Committee and full Board starting with September Board Meeting	1st Board Box Report to be issued in Sept. and monthly thereafter for continued updates for the life of project		Bruce Shelburne
<b>CUSTOMER NOTIFICATION</b>					
Take Ones	Starting Aug. 2014 this form of media will be placed in trains/buses/other transit providers	8/15 On Buses/Trains and delivered to other transit partners Late July - Deliver copy to marketing	Pending		C. Valdez to prepare language for Marketing to produce
Station Monitors and Audio Announcements	TV monitors will display start of project and progress of upgrades	Daily starting Mid-August 2014	Pending		C. Valdez to give language to ROC/BOC for patron notification
Station Posters	Posters to be placed on billboard at rail stations	Starting Mid-Aug. 2014	Pending		C. Valdez to produce language for Marketing to produce
<b>BUSINESS/RESIDENTIAL NOTIFICATION</b>					
Flyers	Flyers to be distributed throughout neighborhoods specific to station location	3-5 days prior to start of work starting mid-Aug.	Flyers notification has started on a limited basis	Flyers service was used in test demonstration @ 8'th/Pacific tail track including minor maintenance work in LA	C. Valdez to produce language and Walking Man Delivery Service will distribute
Public Meetings	Current outreach of project has started	Presentations given to Gateway Service Council on 5/29 & Long Beach Senior Ctr on 6/15 - Ongoing	Ongoing - Currently in progress		C. Valdez will continue setting meetings for presentations
Targeted audience	Key stakeholders to be informed within one block of train alignment in all directions	Ongoing	In progress	Door to door notification	C. Valdez conducting door to door notification and email blasts
<b>MEDIA NOTIFICATION</b>					

## Replacement of 69 Existing Light Rail Vehicles (LVR)

- Option #4 of P3010 LRV Contract with Kinki-Sharyo
- Late 2017 – Early 2019

