



MetroRapid

NORTH/SOUTH CORRIDOR
NEW NORTH TRANSPORTATION ALLIANCE
Meeting
November 2011



Project Overview



- Length: 17.5 miles
- Stations: 50 - 58
(36 MTC – NEB/FLETCHER)
(14 FLETCHER/56TH)
(8-10 ADDITIONAL IN HIDDEN RIVER AND TELECOM PARK AREAS)
- Serving major hubs at MTC and UATC
- Jurisdictions:
 - FDOT
 - Hillsborough County
 - City of Tampa
 - City of Temple Terrace

Project Overview

- *MetroRapid* Tentative Service Plan

- 14 hour service
 - 5:30 am to 7:30 pm – (tentative)
- 10 minute headways peak
- 15 minute headways non-peak
- Weekday service (Travel time estimated @ 55min.)
- Local Service Overlay will remain
 - Route 2 – 30 minute headways
 - Service: 20.5 hrs - 4:30 am to 12:45 am

MART ROUTE 2 - WEEKDAY - NORTHBOUND
 Women Transit Center to University Area Transit Center

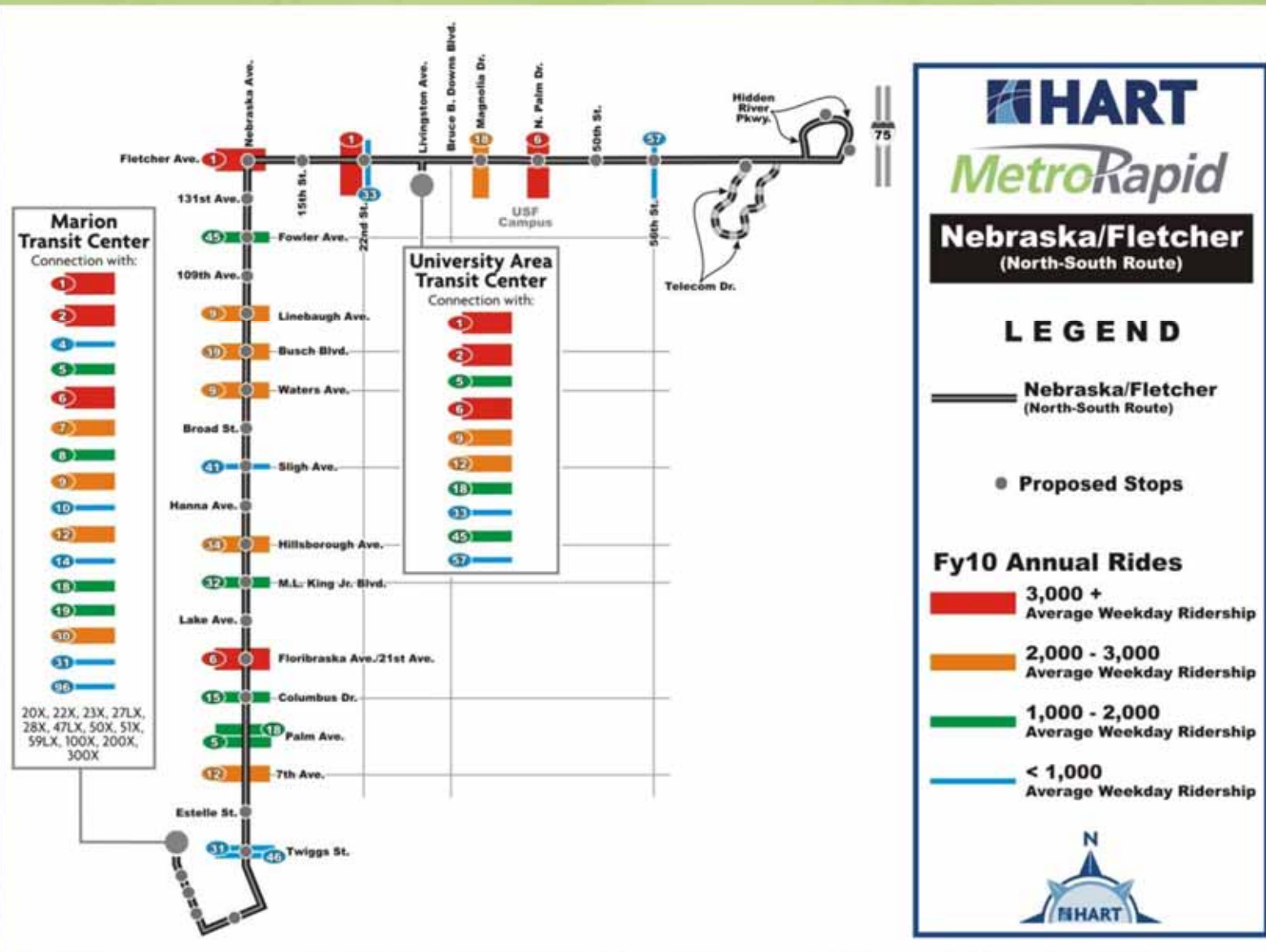
Station	Women Transit Center	University Area Transit Center	W. L. King Jr. Blvd	W. L. King Jr. Blvd	W. L. King Jr. Blvd	W. L. King Jr. Blvd	W. L. King Jr. Blvd
Time	A	B	C	D	E	F	G
5:30	5:30	5:30	5:30	5:30	5:30	5:30	5:30
5:45	5:45	5:45	5:45	5:45	5:45	5:45	5:45
6:00	6:00	6:00	6:00	6:00	6:00	6:00	6:00
6:15	6:15	6:15	6:15	6:15	6:15	6:15	6:15
6:30	6:30	6:30	6:30	6:30	6:30	6:30	6:30
6:45	6:45	6:45	6:45	6:45	6:45	6:45	6:45
7:00	7:00	7:00	7:00	7:00	7:00	7:00	7:00
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7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30
7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
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9:45	9:45	9:45	9:45	9:45	9:45	9:45	9:45
10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00
10:15	10:15	10:15	10:15	10:15	10:15	10:15	10:15
10:30	10:30	10:30	10:30	10:30	10:30	10:30	10:30
10:45	10:45	10:45	10:45	10:45	10:45	10:45	10:45
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11:30	11:30	11:30	11:30	11:30	11:30	11:30	11:30
11:45	11:45	11:45	11:45	11:45	11:45	11:45	11:45
12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
12:15	12:15	12:15	12:15	12:15	12:15	12:15	12:15
12:30	12:30	12:30	12:30	12:30	12:30	12:30	12:30
12:45	12:45	12:45	12:45	12:45	12:45	12:45	12:45
1:00	1:00	1:00	1:00	1:00	1:00	1:00	1:00



15-20% (Est.) Time Savings with TSP and limited stops!

Crossing Routes Ridership

(MetroRapid Projected Ridership : 3,350 AWR)



MetroRapid Branding / Identity

- Stations and Vehicles will be unique to the corridor
- System will be identified as MetroRapid
- Fares will be same as existing HART routes

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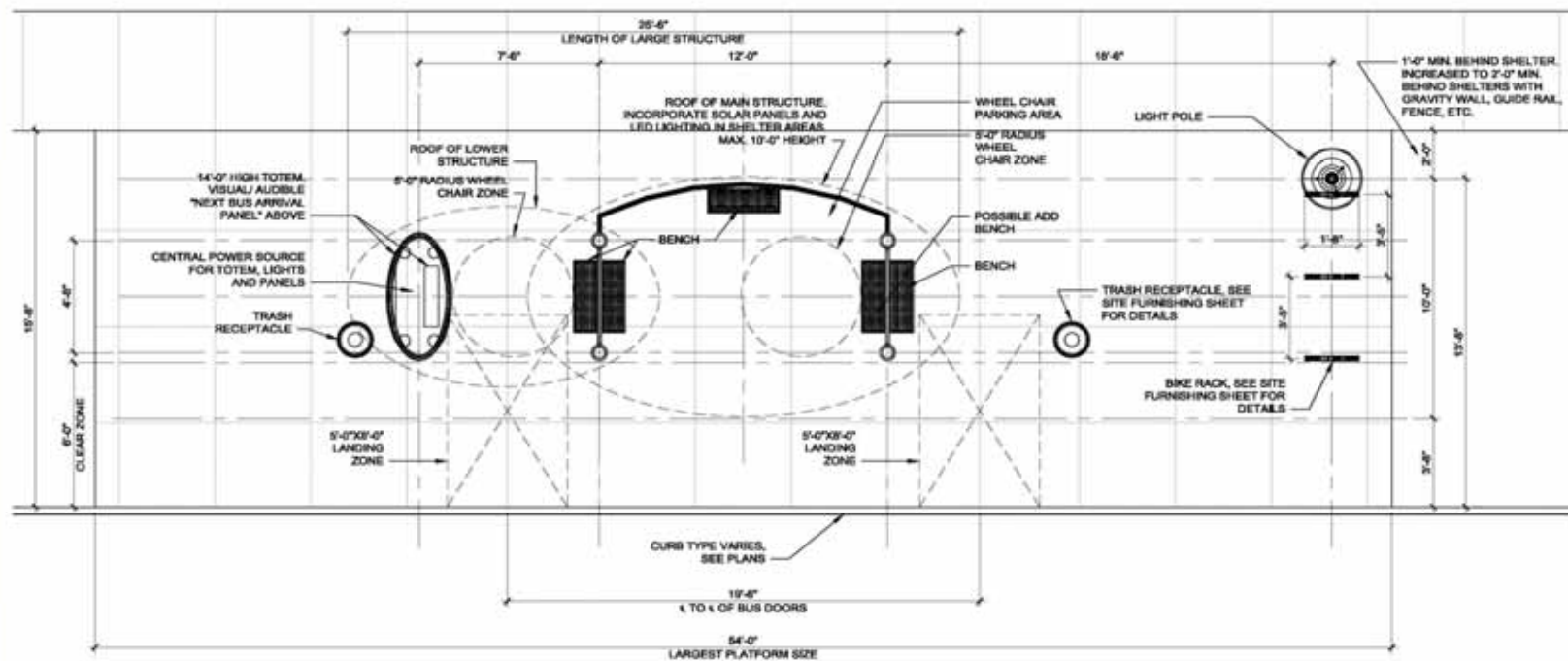


Station Concept

- Three Station Sizes
 - Based on Ridership
 - Amenities based on size
- Basic Features
 - Benches
 - Shelter w/ lighting
 - Totem w/ option Real Time Travel Information (ATIS)
 - Bicycle Racks
 - Trash Receptacles
 - Large Stations
 - Ticket Vending Machines
 - Optional News Kiosks



MetroRapid Station Floor Plan



HART METRORAPID

07/29/11



FleischmanGarcia

ARCHITECTURE • PLANNING • EXTERIOR DESIGN

UNIT TYPE "B" FLOOR PLAN

SCALE: 1/4" = 1'-0"

MetroRapid Station Elevation View



HART METRORAPID

07/29/11

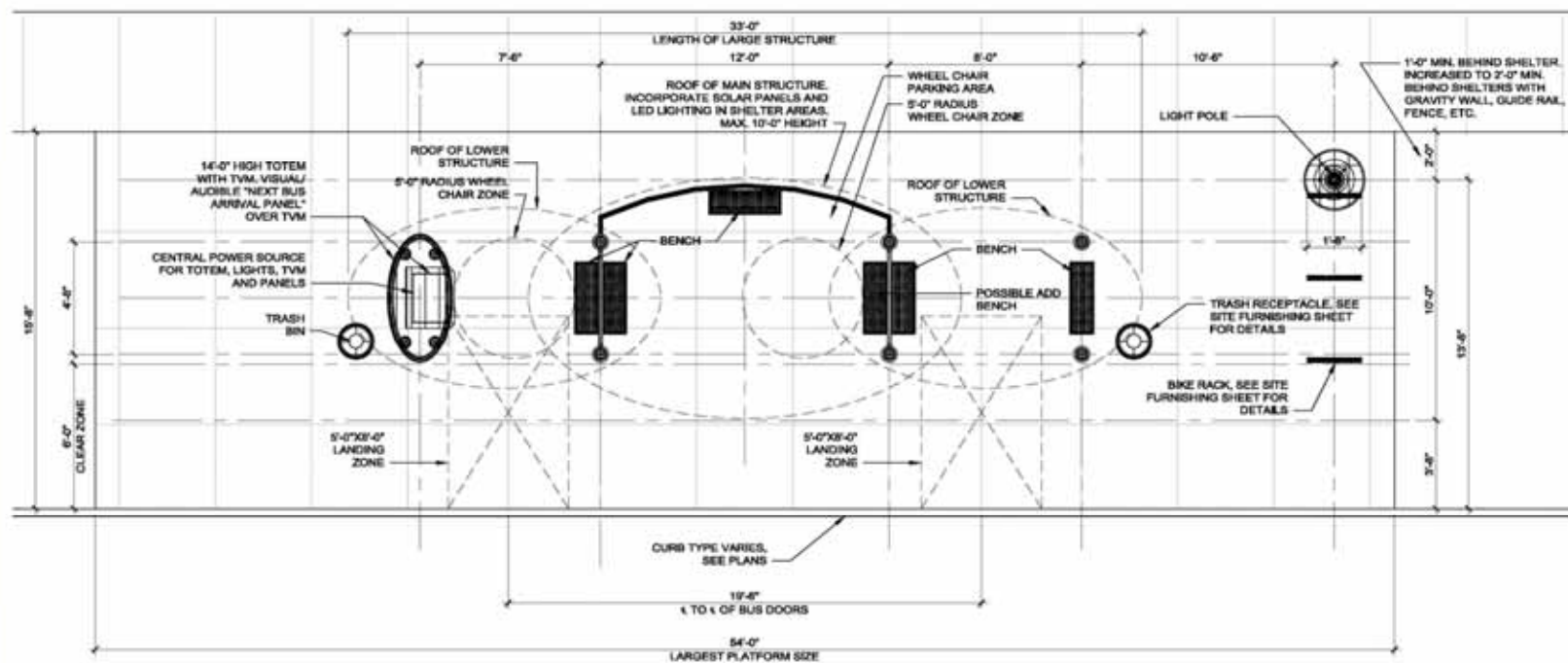


FleischmanGarcia
ARCHITECTURE • PLANNING • INTERIOR DESIGN

UNIT TYPE "B" VIEW 1

SCALE: N.T.S.

MetroRapid Station Floor Plan



HART METRORAPID

07/29/11



FleischmanGarcia
ARCHITECTURE • PLANNING • EXTERIOR DESIGN

UNIT TYPE "C" FLOOR PLAN

SCALE: 1/4" = 1'-0"

MetroRapid Station Elevation View



HART METRORAPID

07/29/11



FleischmanGarcia
ARCHITECTURE • PLANNING • INTERIOR DESIGN

UNIT TYPE "C" VIEW 1

SCALE: N.T.S.

Station Hardscape/Landscape Concepts



CONCEPT 1 - BRICK BORDER WITH BRICK FIELD OF PAVERS

Station Hardscape/Landscape Concepts



CONCEPT 2 - BRICK HEADER WITH ANGLED CONCRETE GRID

Station Hardscape/Landscape Concepts



CONCEPT 3 - CONCRETE HEADER WITH STRAIGHT CONCRETE GRID

Station Hardscape/Landscape Concepts



CONCEPT 4 - 12" SQUARE CONCRETE GRID

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Technology Related Station Amenities



Ticket Vending Machines



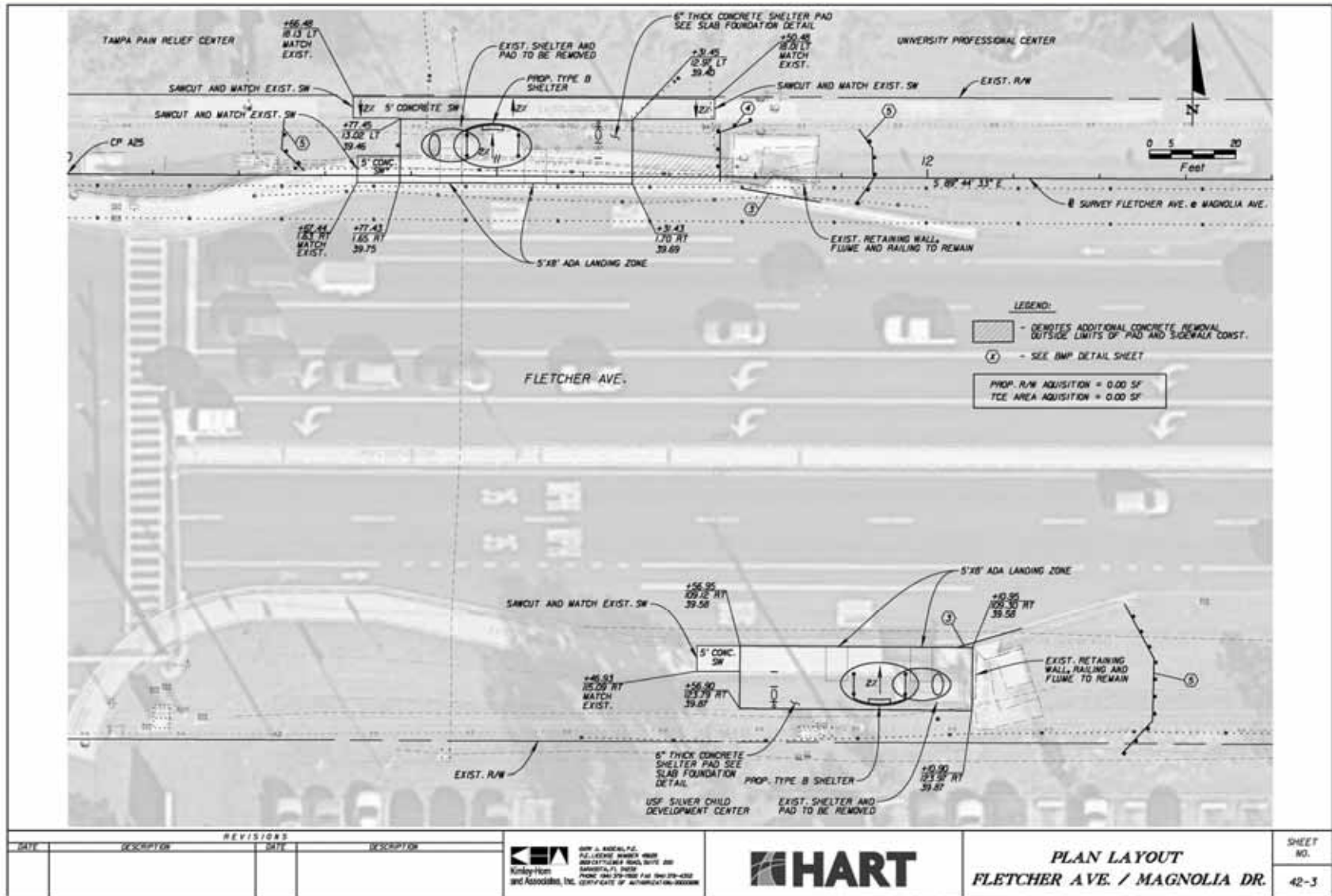
Passenger Information Displays

- Automatic Passenger Counters (APC)
- Computer Aided Dispatch (CAD)
- Automatic Vehicle Location (AVL)



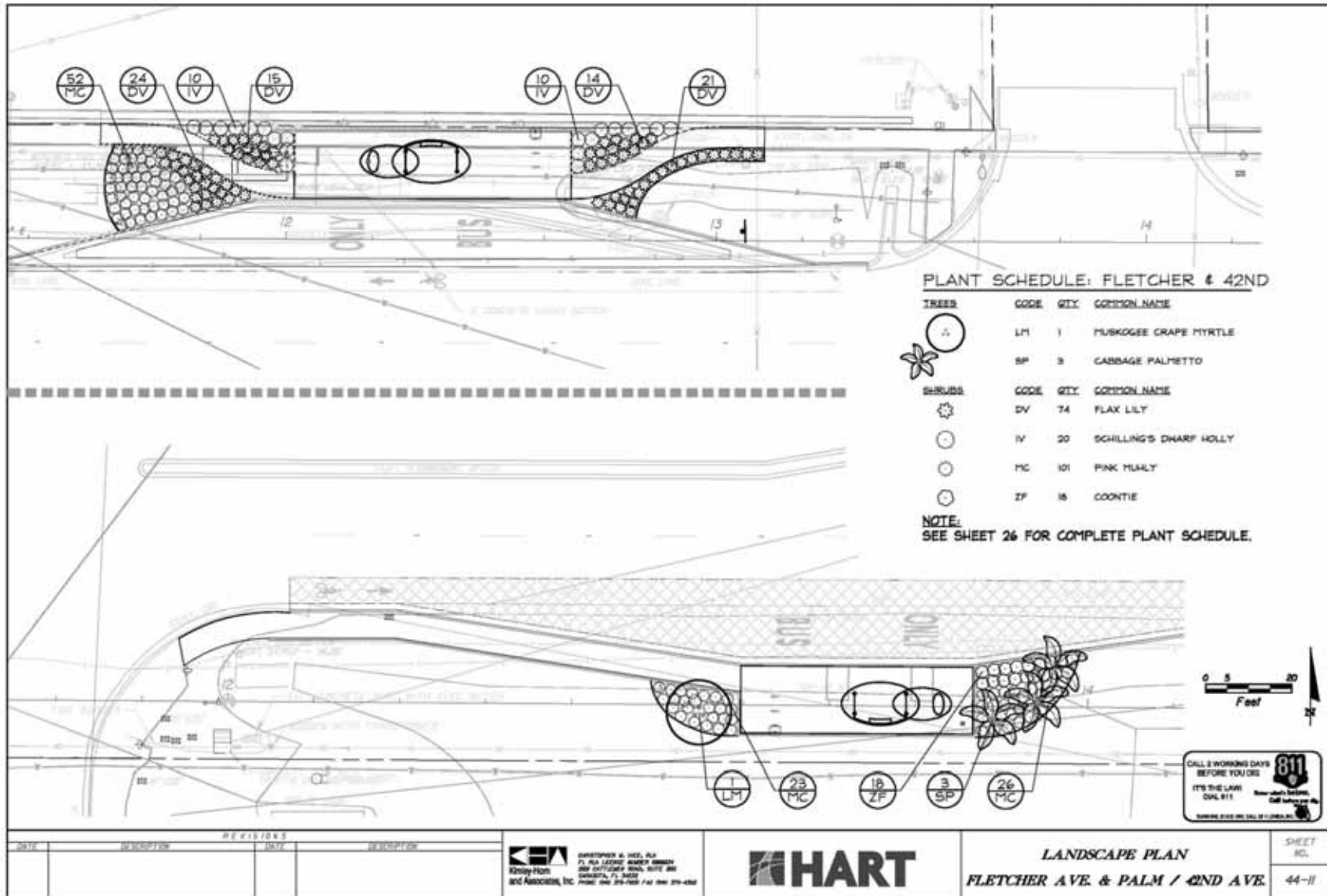
On-Board - Next Station Displays

Coordination with Hillsborough County Fletcher Avenue PD&E and MPO Bicycle and Pedestrian Plan - View Magnolia Dr.

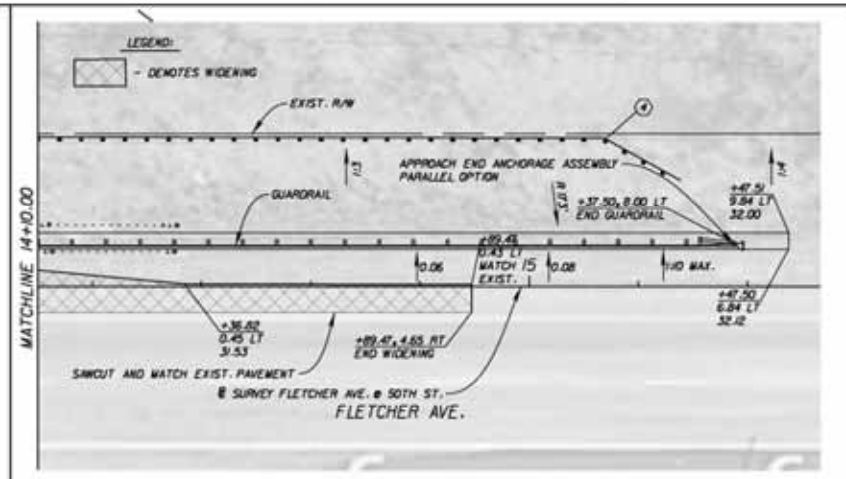
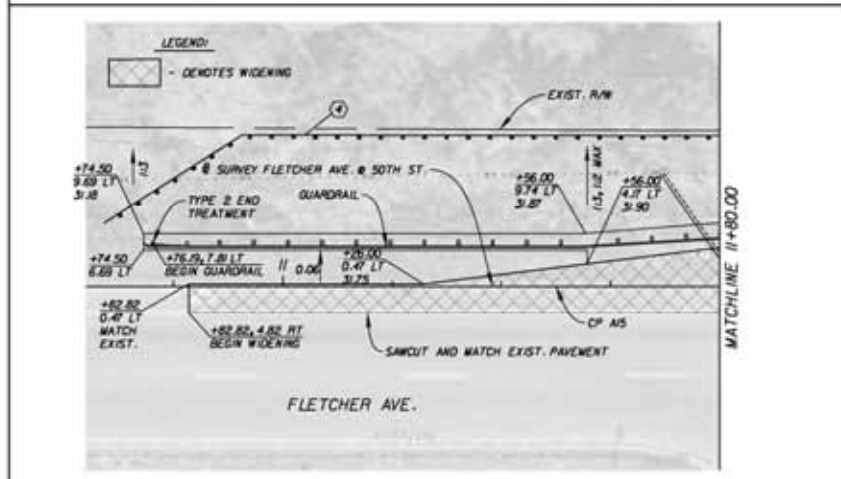
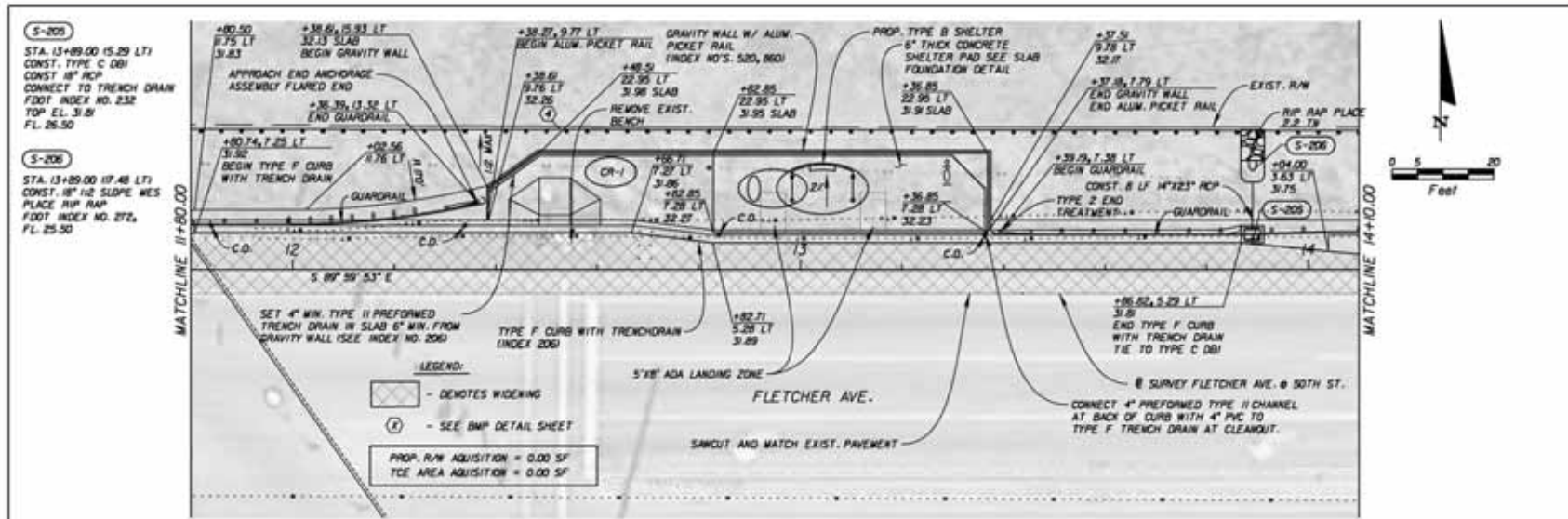


LA Plan Palm Dr.

Drawing name: K:\SAB_Roadway\148150000_HART_Metro-Rapid\URB\CADD\148150000_Landscape_Set.dwg Fletcher-42 Jul 27, 2011 3:42pm by: chris.conrington



Plan View 50th St.



REVISORS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

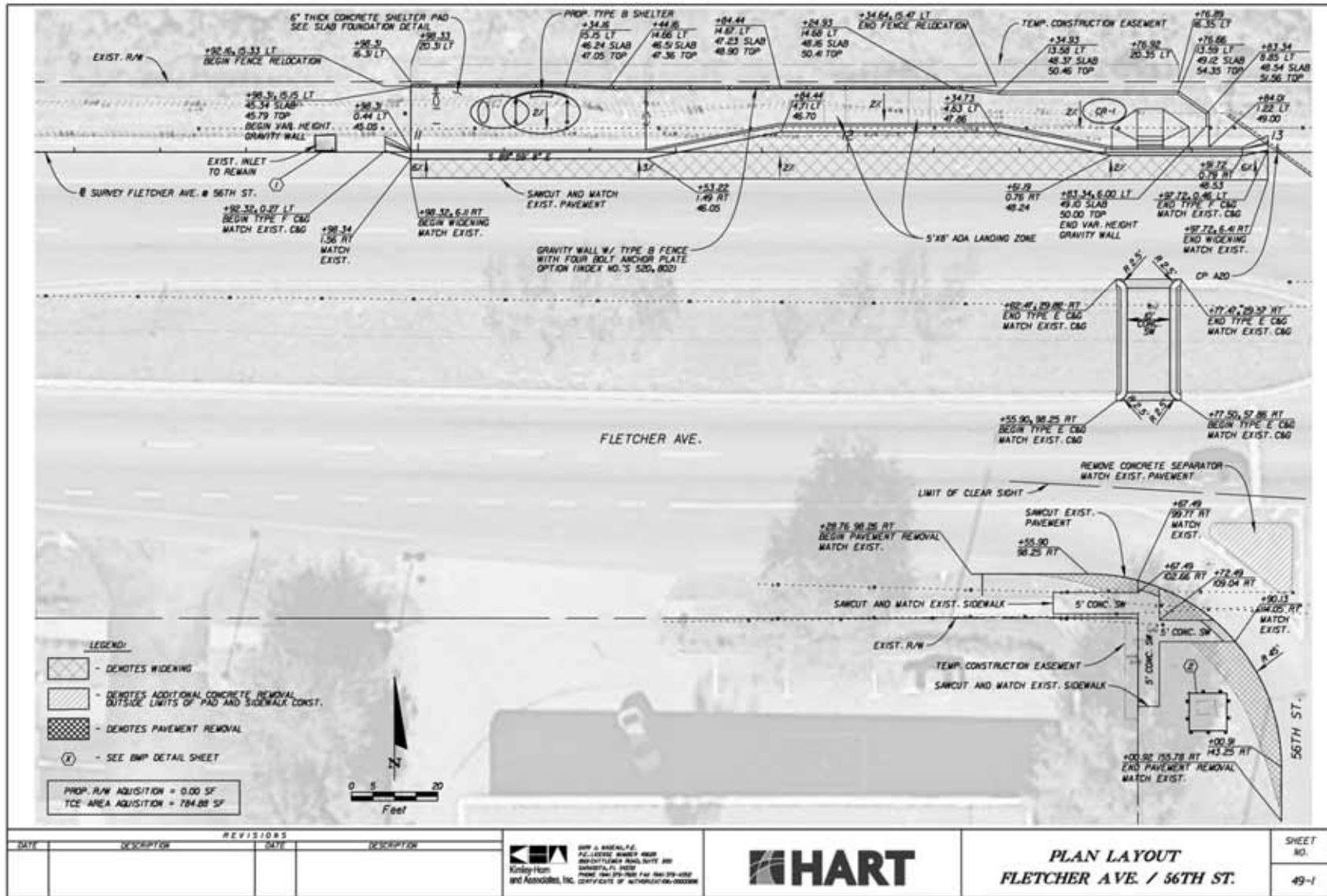
K&A
KIMLEY-HORN
AND ASSOCIATES, INC.

HART

**PLAN LAYOUT
FLETCHER AVE. / 50TH ST.**

SHEET NO.
47-1

Plan View 56th St.

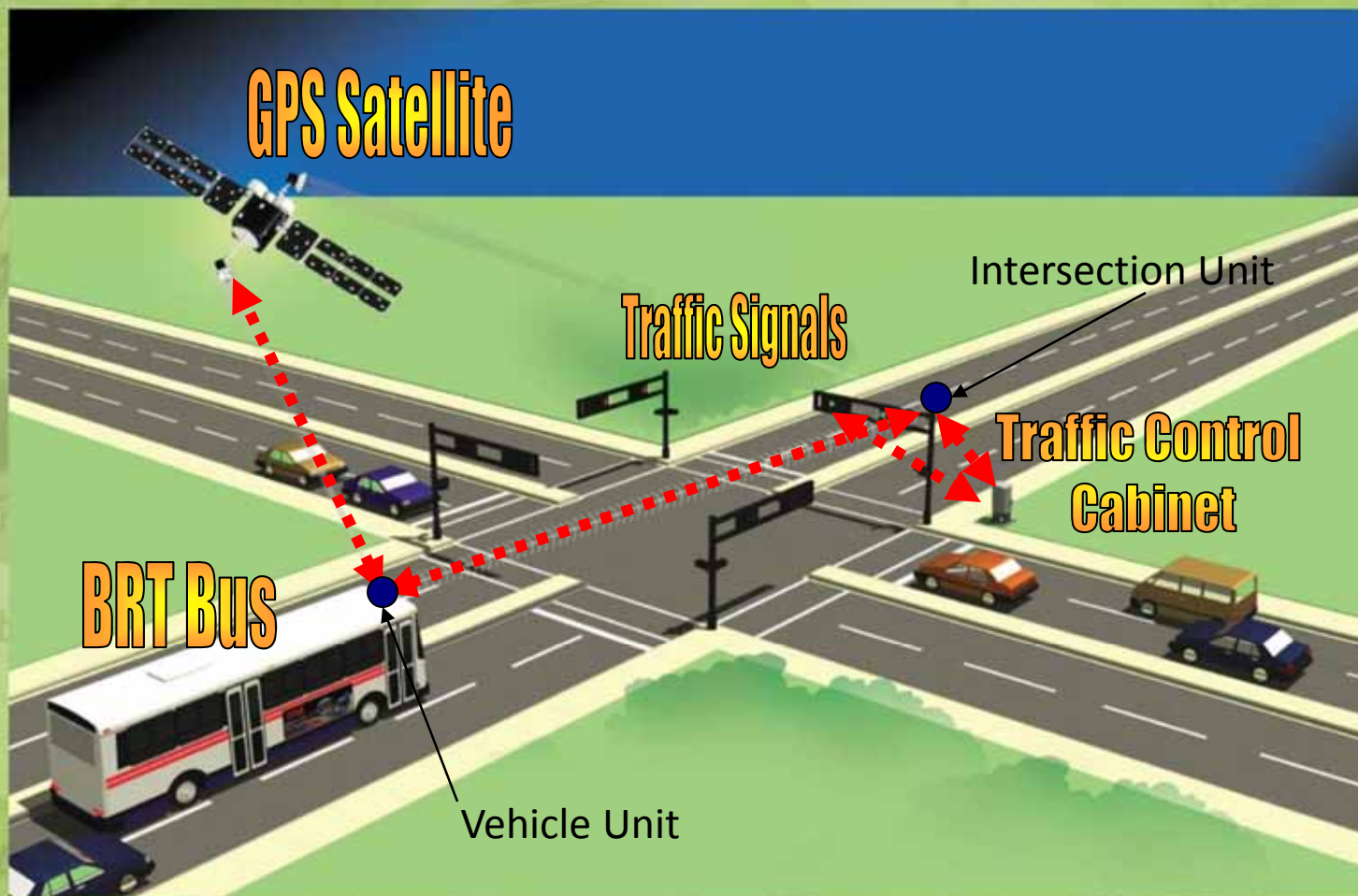


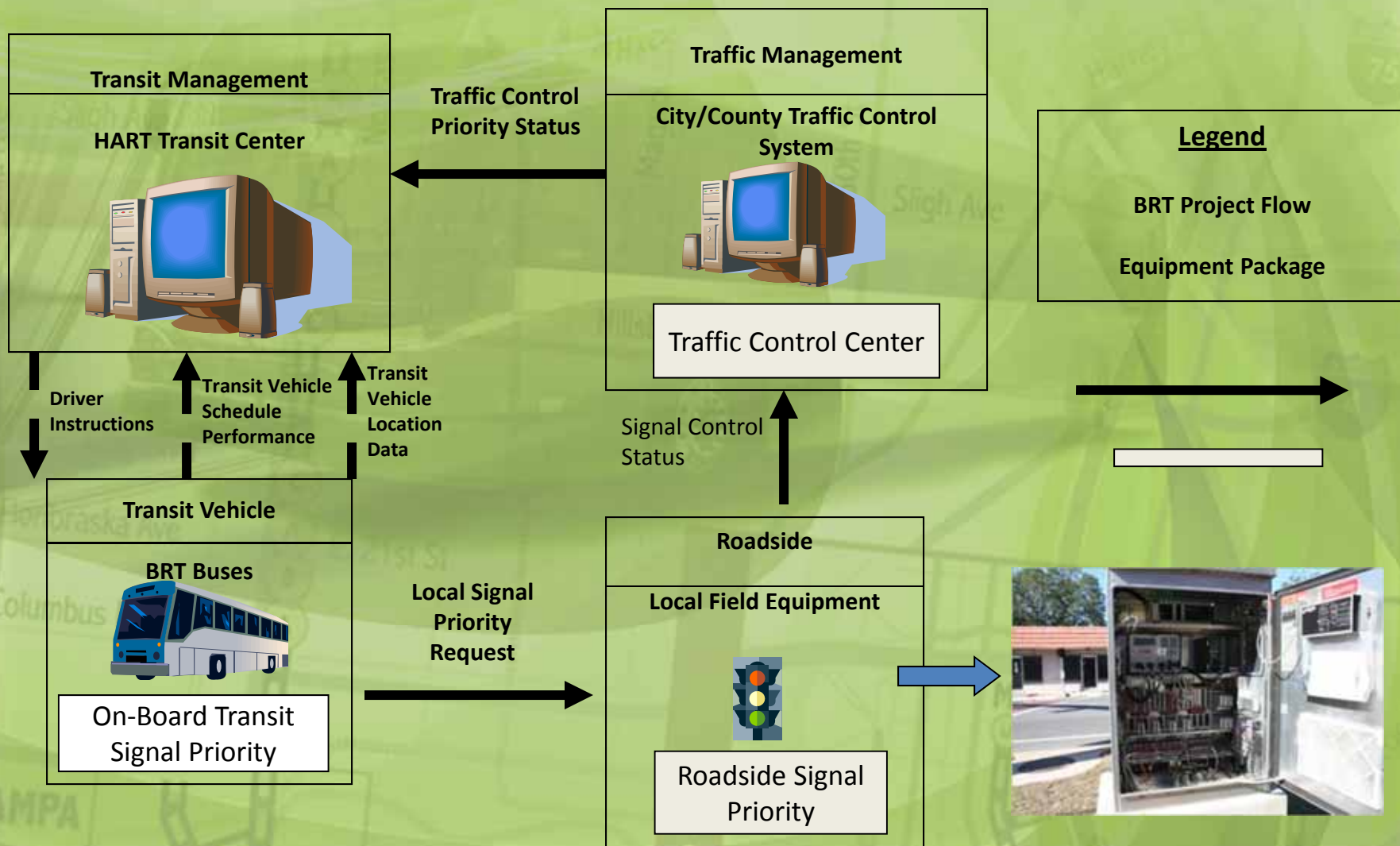


MetroRapid

TRANSIT SIGNAL PRIORITY (TSP) SYSTEM INFORMATION

TSP Intersection Components





In-Vehicle GPS
Vehicle Control Unit

Intersection Phase
Selector



Vehicle GPS Radio
Unit

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Technology Related Intersection Amenities



At-Intersection GPS
Radio Unit



Intersection Phase
Selector



Transit Signal Priority Benefits/Goals

- Reduced bus travel times
- Increased schedule reliability
- Increased bus ridership
- Traveler mode shift from cars to buses
- Fewer stops at traffic signals

Next Steps / Tentative Schedule

- Design Initiated – October 2010
- Real Estate Acquisition Initiated – February 2011
- Design Completion – November 2011
- Start Construction – Early 2012
- Begin Operations – Early 2013

Budget: \$31M

- | | |
|-------------------------------|------------------------|
| • PD&E and Traffic Analysis | \$ 1,294,960 |
| • Final Design | \$ 2,851,952 |
| • Real Estate and Acquisition | \$ 4,439,000 estimated |
| • Construction | \$22,414,088 estimated |