

PHOENIX

# Transit budget and System overview



# Phoenix Metropolitan Public Transportation System

## ■ Multimodal Transportation Network

- Light Rail Transit
- Local Bus
- Express Bus
- RAPID Bus
- Neighborhood Circulators
- Street Transportation Improvements
  - Bus pull outs
  - Bike lanes
  - New roads
  - Utilities



# Transit in the Valley

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- **City of Phoenix**
  - Fund and operate Phoenix and regional transit services
  - Federal Transit Administration Regional Designee
- **Valley Metro**
  - Regional Public Transportation Authority
    - Fund and operate regional transit services
  - Valley Metro Rail
    - Plan, build and operate a regional rail system



City of Phoenix

# Phoenix Metro Area Transit Funding Initiatives

- 1996 - Tempe Sales Tax
- 1998 - Mesa Quality of Life Tax
- **2000 - Phoenix Sales Tax**
- 2001 - Glendale Sales Tax
- **2004 - Regional Sales Tax (PTF)**
  - 0.4 cent for 20 years
  - 2/3 for highways & 1/3 for transit



# Phoenix Public Transit Operations Funding

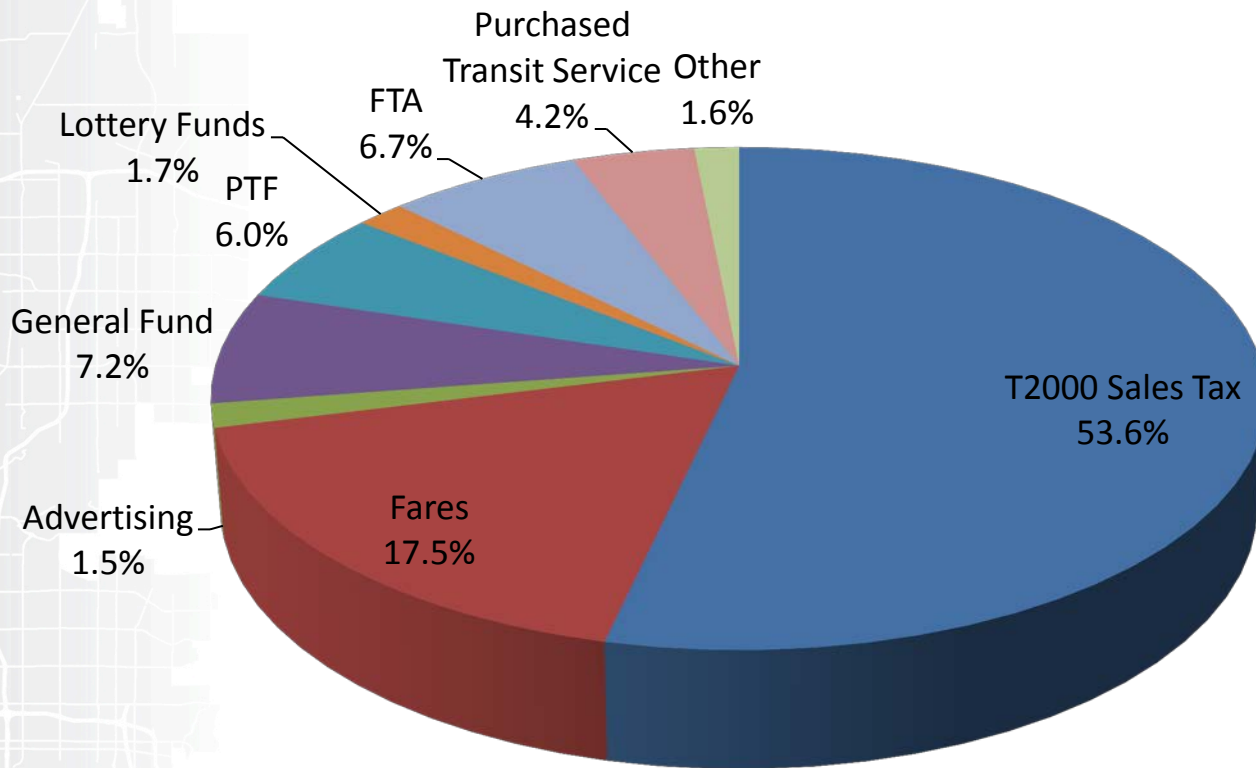
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- Phoenix Transit 2000 Sales Tax
  - Transit Fares
  - Advertising
  - Phoenix General Fund
  - Maricopa County Transportation Excise Tax (Public Transportation Fund – PTF)
  - State of Arizona Lottery Funds
  - Federal Transit Administration (FTA)
  - Other Cities Purchased Transit Service



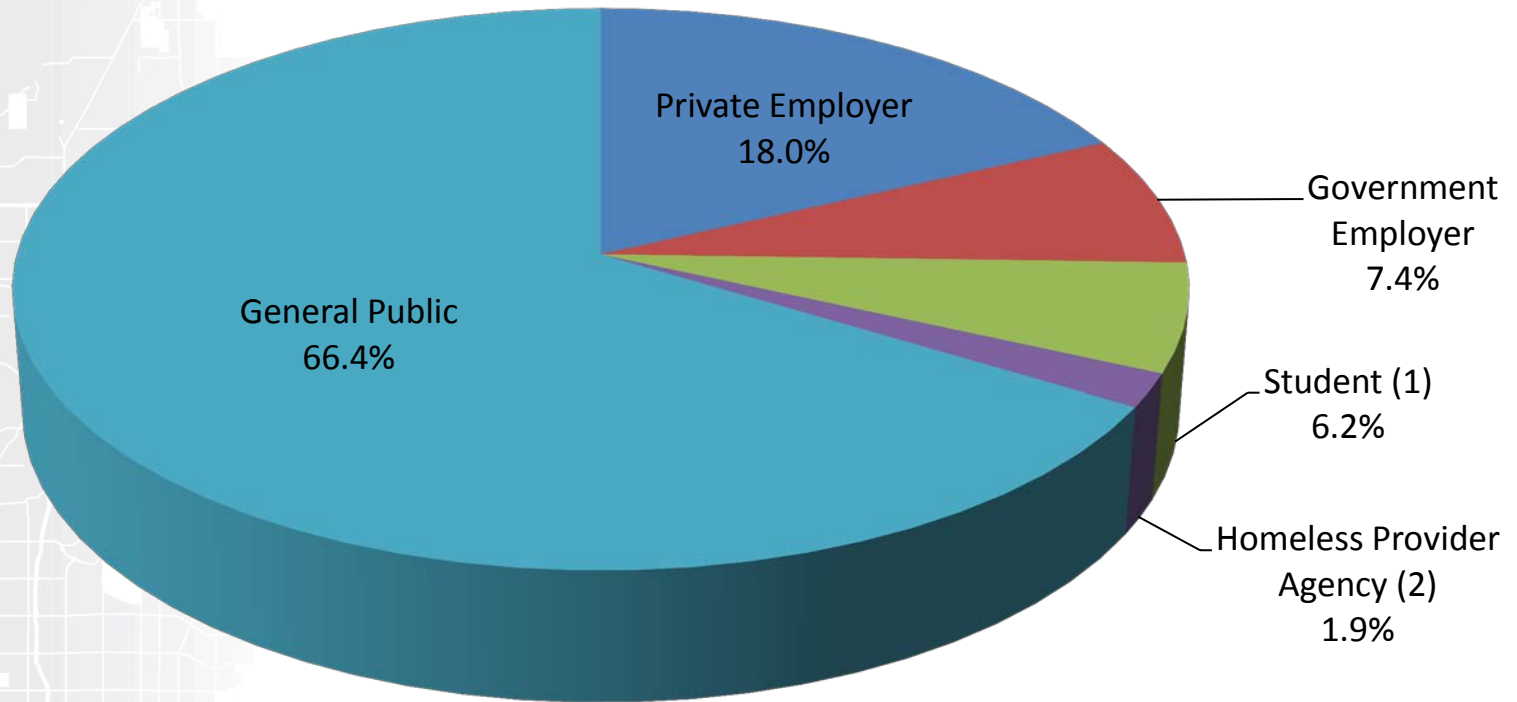
# Phoenix Public Transit Operations Funding

## Fiscal Year 2014-15



Total Operations budget, including debt service - \$253 million

# 2013-14 Fare Revenues



- (1) ASU UPass, Semester Pass, and Platinum Pass schools only, does not include students using paper passes.
- (2) Agencies provide passes to clients.

# Phoenix Public Transit Capital Funding

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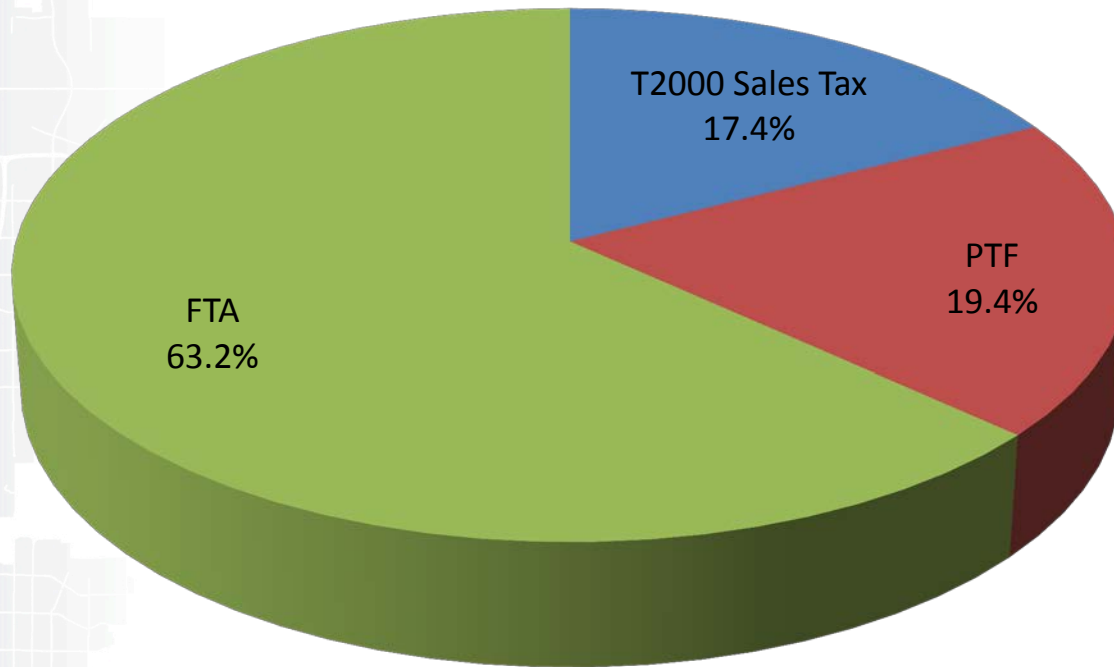
- **Phoenix Transit 2000 Sales Tax**
- **Maricopa County Transportation Excise Tax (Prop 400 or Public Transportation Fund – PTF)**
- **Federal Transit Administration (FTA)**





# Phoenix Public Transit Capital Funding

## Fiscal Year 2014-15



Total capital budget - \$123.6 million

# Phoenix Public Transit Operations Budget (millions)

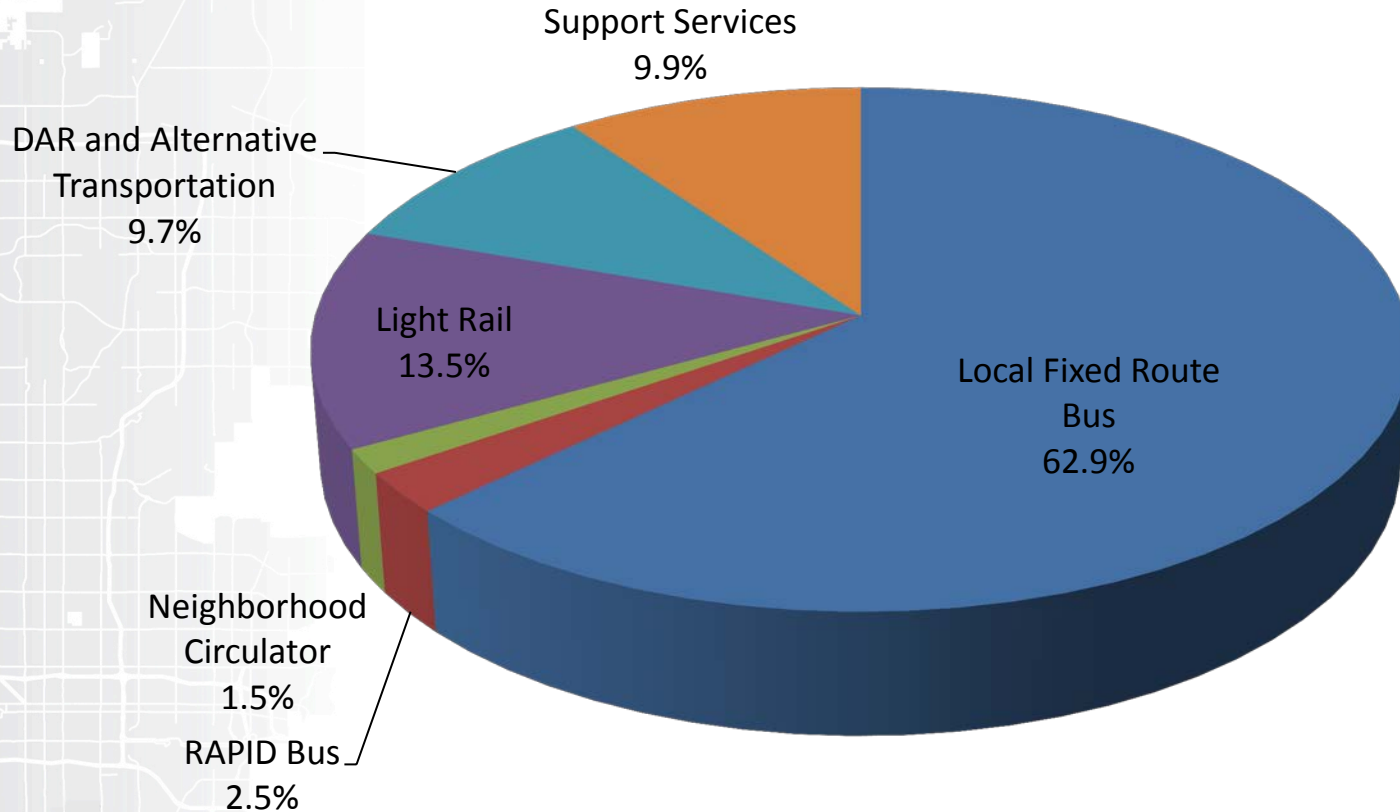
## Fiscal Year 2014-15

■ Local Fixed Route Bus	\$129.1
■ RAPID Bus	\$ 5.2
■ Neighborhood Circulator	\$ 3.1
■ Light Rail	\$ 27.7
■ DAR & Alternative Transportation	\$ 19.9
■ Support Services	<u>\$ 20.4</u>
■ <b>-Total-</b>	<b>\$205.4</b>



# Phoenix Public Transit Operations Budget

## Fiscal Year 2014-15



# Phoenix Public Transit Capital Budget (millions)

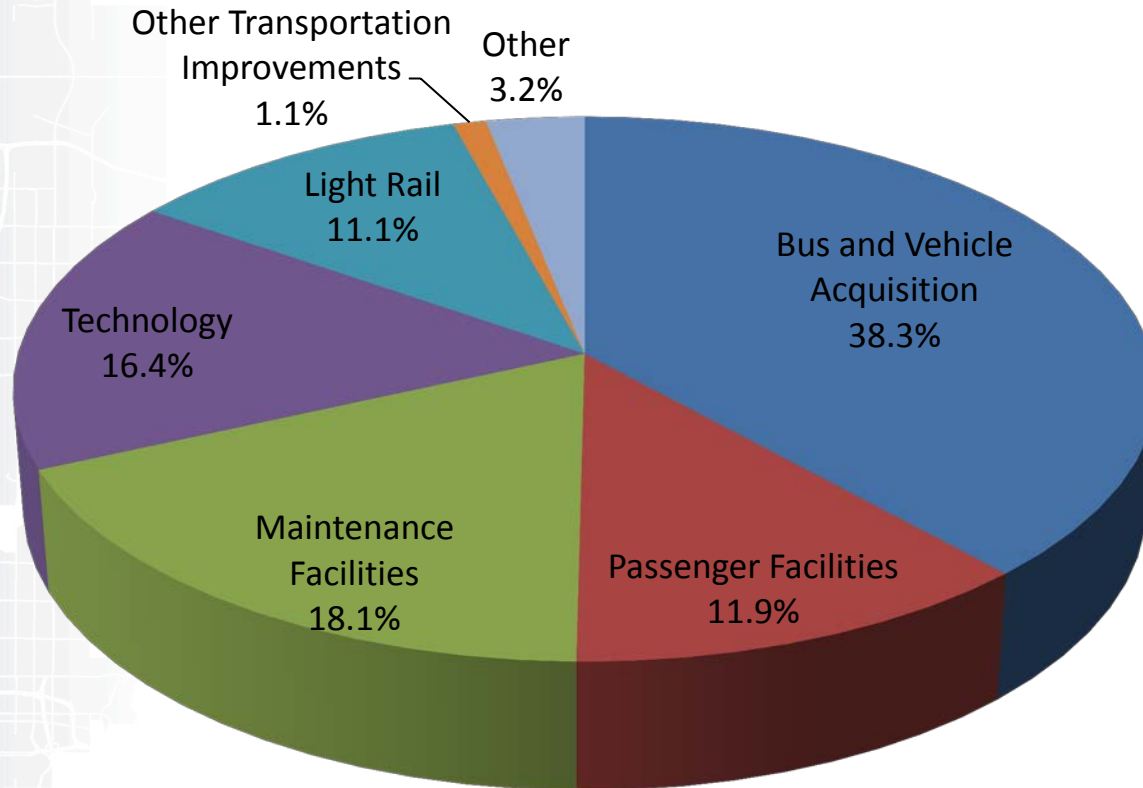
## ■ Fiscal Year 2014-15

Bus and Vehicle Acquisition	\$ 47.4
Passenger Facilities	\$ 14.7
Maintenance Facilities	\$ 22.3
Technology	\$ 20.3
Light Rail	\$ 13.7
Other Transportation Improvements	\$ 1.3
Other	<u>\$ 3.9</u>
<b>-Total-</b>	<b>\$123.6</b>



# Phoenix Public Transit Capital Budget

## Fiscal Year 2014-15



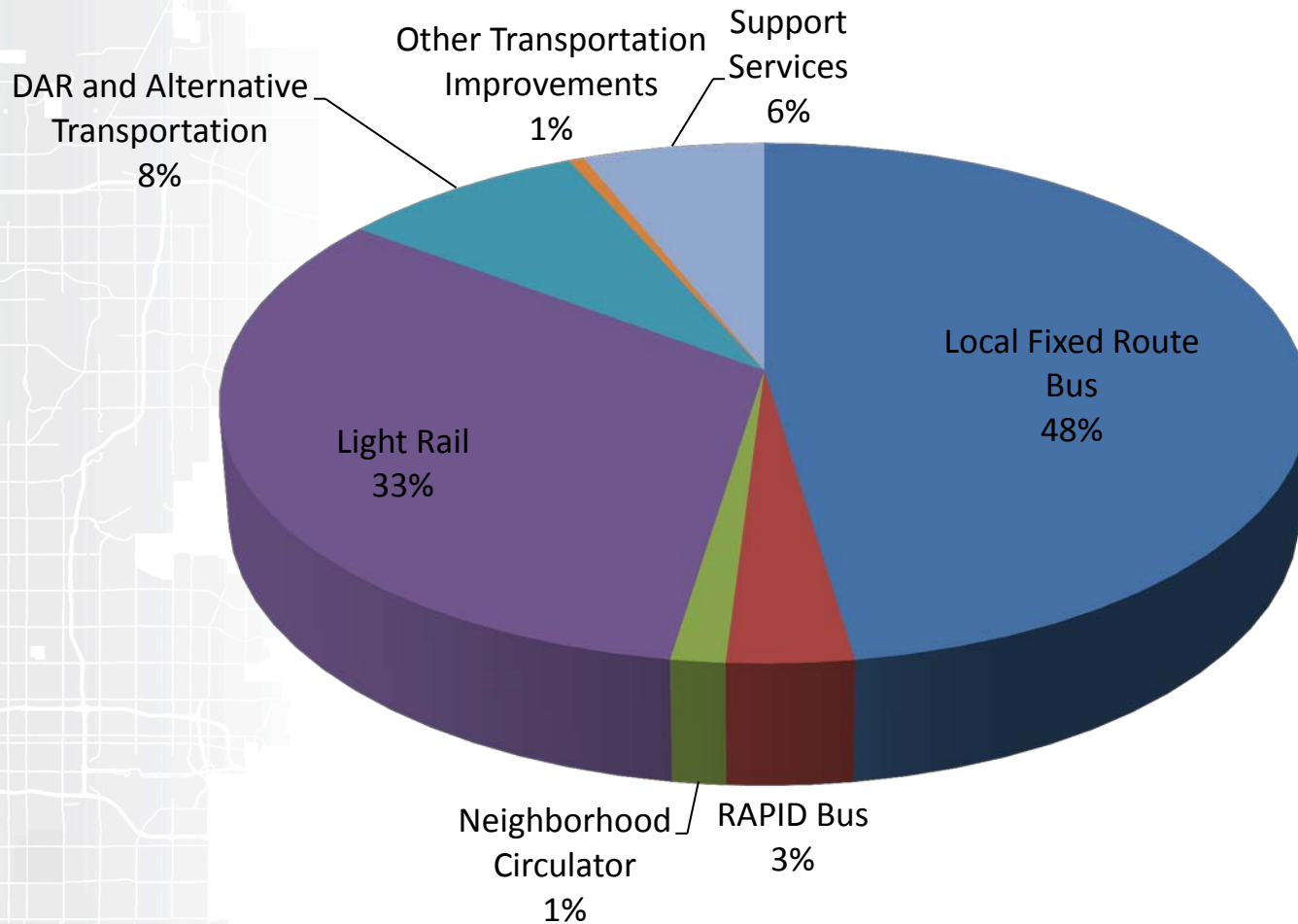
# Transit 2000 Total Operating and Capital 20-Year Forecast (millions)

■ Local Fixed Route Bus	\$1,953
■ RAPID Bus	\$ 137
■ Neighborhood Circulator	\$ 59
■ Light Rail	\$1,339
■ DAR & Alternative Transportation	\$ 339
■ Other Transportation Improvements	\$ 21
■ Support Services	<u>\$ 250</u>
■ <b>-Total-</b>	<b>\$4,098</b>



# Transit 2000 20-Year Forecast

## Total Operating and Capital Costs



# Bus/Paratransit Services and Facilities

## Fixed Route

- 35 Local routes
- 5 RAPID routes
- 3 Neighborhood Circulator routes
- 2 Business Circulator routes



## Paratransit Service

- Dial-A-Ride and Alternative Programs

## Fleets and Fuels

- 488 heavy duty buses
- 125 Dial-a-Ride buses
- Natural Gas – 5.8M/gal. @ \$6M
- Diesel – 2.4M/gal. @ \$7.8M
- Unleaded – 747K/gal. @ \$2.4M



## Bus Stops

- 3,955 bus stops in Phoenix
  - 2,510 have passenger shelters
    - 1,500 *standard shelters*
    - 1,010 *advertising shelters*

## Facilities

- 3 Operating Garages
- 8 Park and Rides
- 6 Transit Centers

## Private Sector Jobs

- MV Transportation - 243
- First Transit - 368
- Transdev - 848



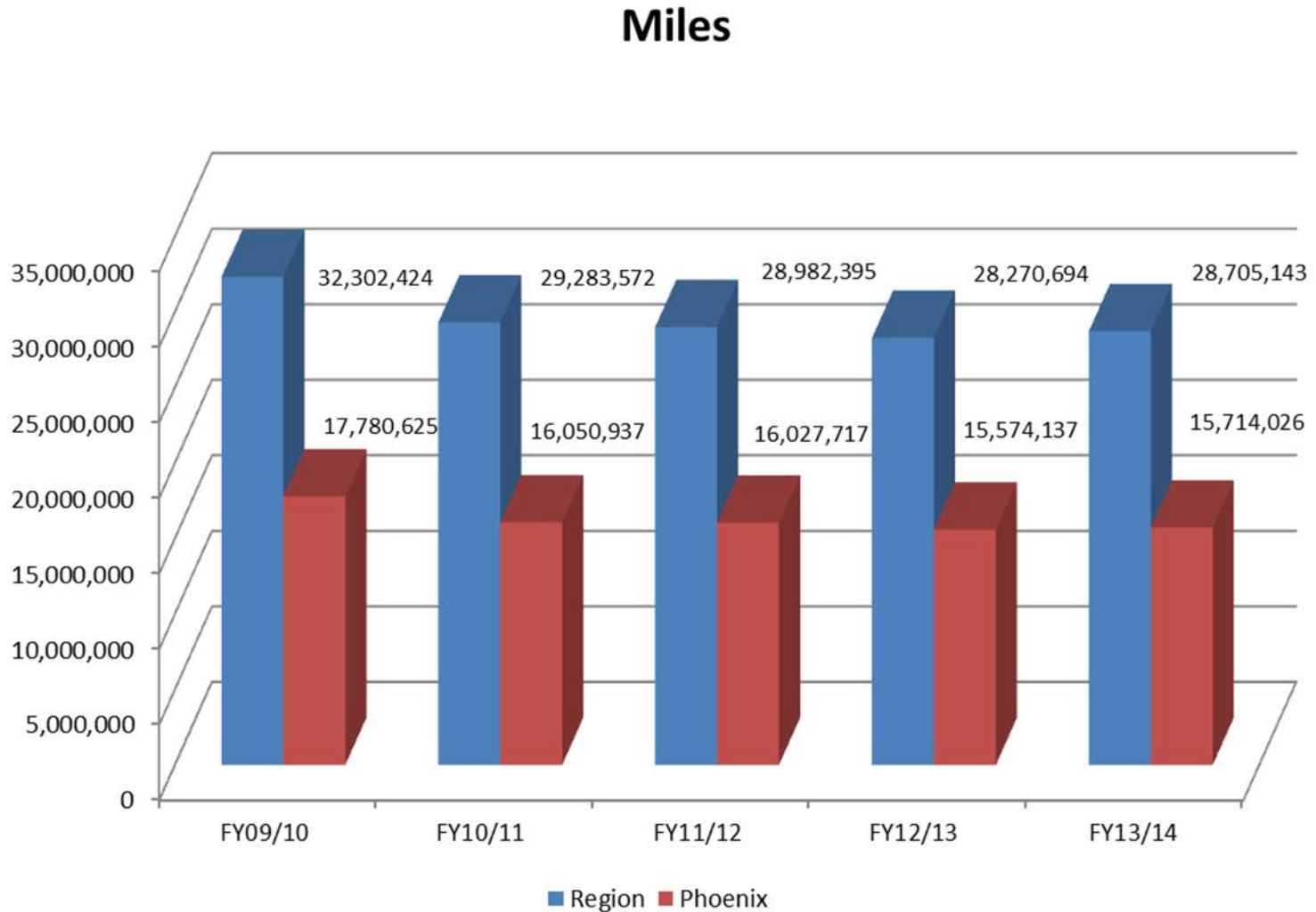


# Ridership and Focus Areas

- Phoenix buses carry 50% of the region's riders on 11 of its routes
- Phoenix routes are in the top 10 for highest ridership in the region
- We are working to address overcrowding on high ridership routes and frequency

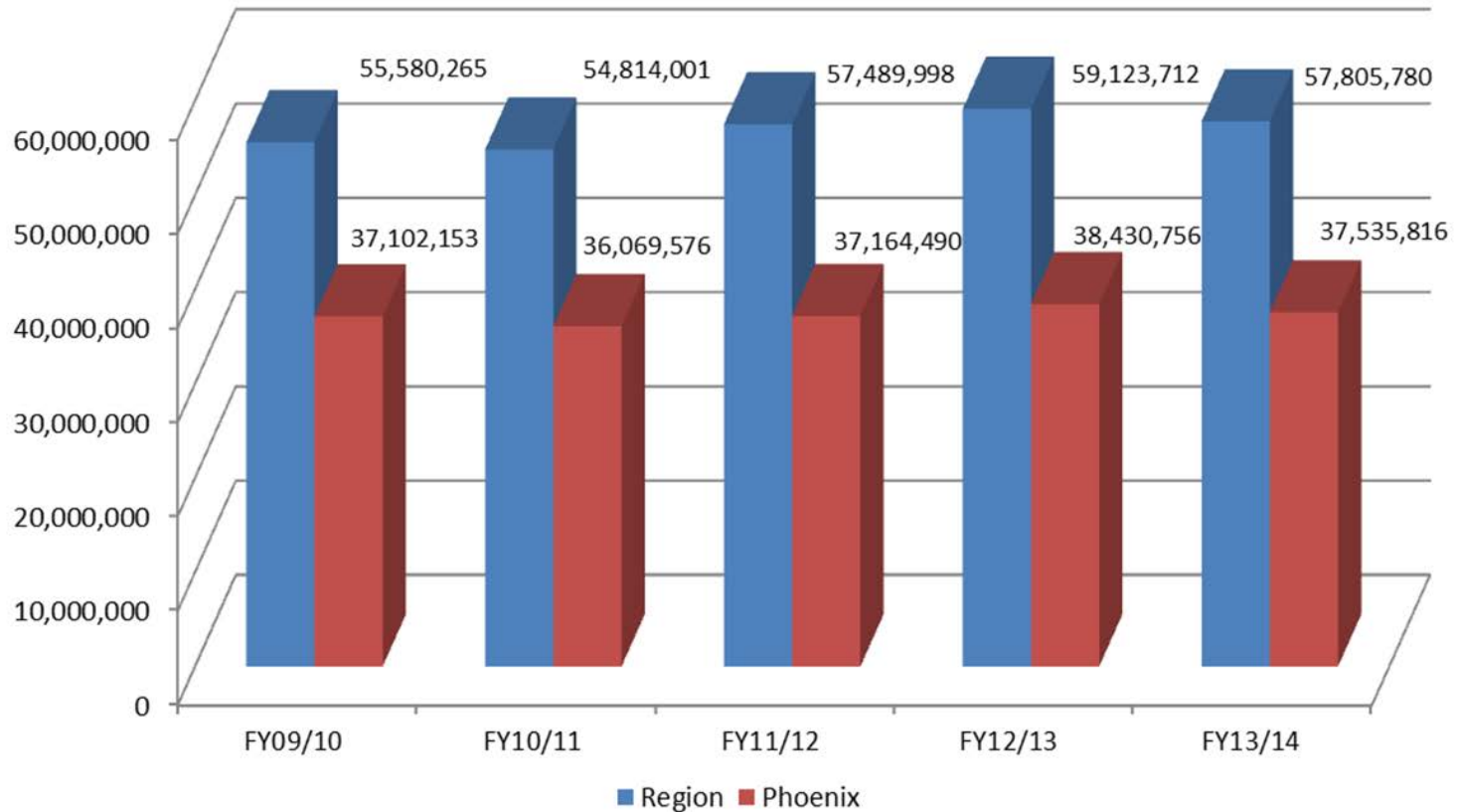
Rank	Route	FY12/13 Ridership	Route Length	Boardings per Mile
1	29 - Thomas	3,003,585	21.7	138,414
2	41 - Indian School	2,894,463	26.5	109,225
3	19 - 19th Avenue	2,387,927	26.9	88,771
4	70 - 24th Street	2,131,244	34.2	62,317
5	17 - McDowell	2,112,098	20.8	101,543
6	35 - 35th Avenue	2,035,933	28.0	72,712
7	61 - Southern	2,032,774	27.8	73,121
8	50 - Camelback	1,922,411	24.9	77,205
9	3 - Van Buren	1,648,096	25.2	65,401
10	0 - Central Avenue	1,605,441	14.5	110,720

# Phoenix and Regional Service Miles



# Phoenix and Regional Service Boardings

## Boardings



# Dial-a-Ride and Alternative Transportation



<b>FY13/14 Service</b>	<b>Passenger Boardings</b>	<b>Trips</b>	<b>Miles</b>
<b>Phoenix Dial-a-Ride</b>	<b>347,330</b>	<b>328,170</b>	<b>4,395,878</b>
<b>Dialysis Taxi Subsidy</b>	<b>19,277</b>	<b>19,277</b>	<b>102,548</b>
<b>Employment Taxi Subsidy</b>	<b>4,069</b>	<b>4,069</b>	<b>22,965</b>
<b>Senior Cab</b>	<b>26,806</b>	<b>26,806</b>	<b>31,760</b>
<b>ADA Cab</b>	<b>7,155</b>	<b>7,155</b>	<b>297,023</b>
<b>Senior Center Shuttle</b>	<b>104,878</b>	<b>98,721</b>	<b>371,176</b>
<b>Senior Center Group Trips</b>	<b>13,816</b>	<b>679 *</b>	<b>27,314</b>

\* Round Trips

# Rail Overview

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- Regional cooperation
- Funding initiatives
- Light rail system summary
- Phoenix future high capacity transit corridors and transit types
- Light rail challenges
- Transit Oriented Development

# Passenger Capacity by Transit Mode

PHOENIX



200 passengers in one light rail vehicle



600 passengers in one light rail train



200 passengers in five buses



200 passengers in 180 autos

# Light Rail Transit

- 2014 – 20 mile system (28 stations)
- 2016 – 26 mile system (35 stations)



# Light Rail Transit

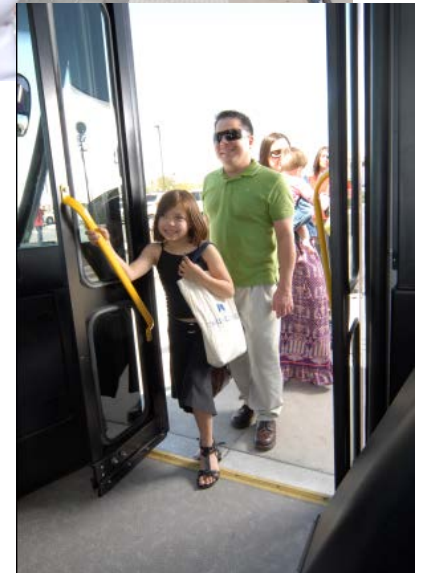
- 15 million annual boardings
  - 45,000 weekday daily boardings
  - 66,000 highest ridership day
  - Over one million riders per month
  - 50% above projections
  - 8,000 additional boardings anticipated with new extensions
- 50 vehicle fleet
- 10,000 passengers can be carried at one time
- 12 - 20 minute headways
- 2.4 million revenue miles of service (annual)
- \$7 billion in economic development
  - Within a ¼ mile of the system



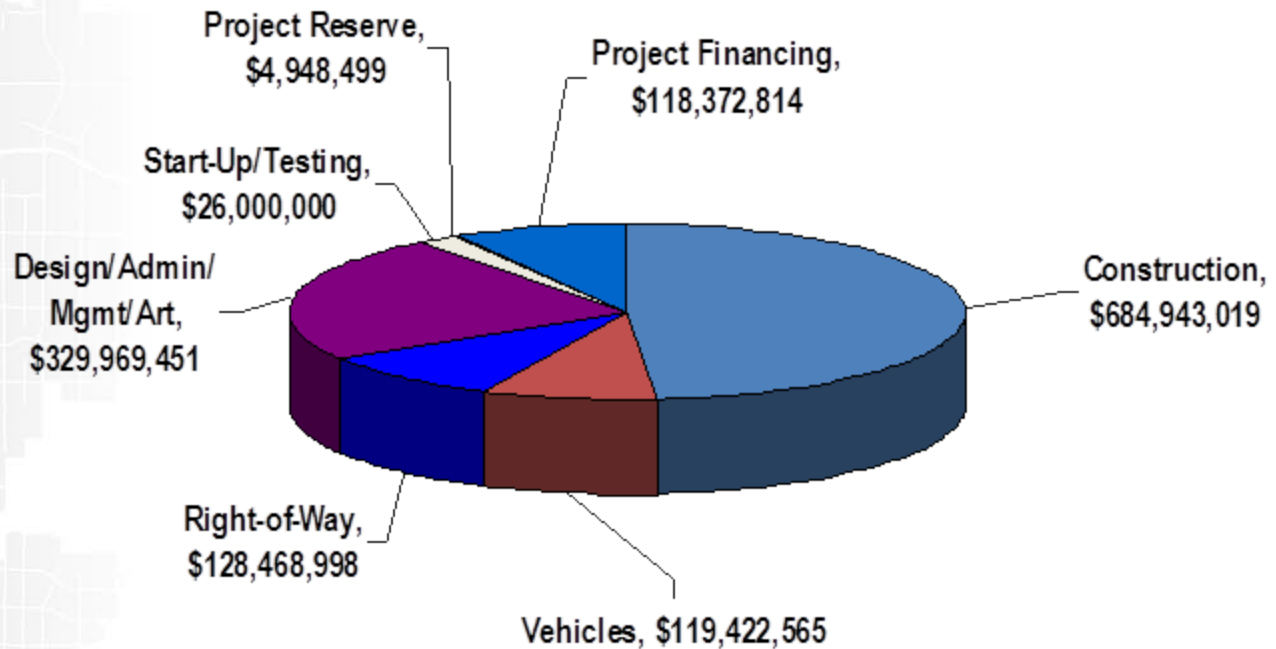
# Light Rail Statistics

## per 2011 survey

- 77% used transit more often than two years ago
- 68% walked to a METRO station
  - 16% drive
  - 16% transfer from a bus
- 65% of those surveyed had at least 1 car available for their trip

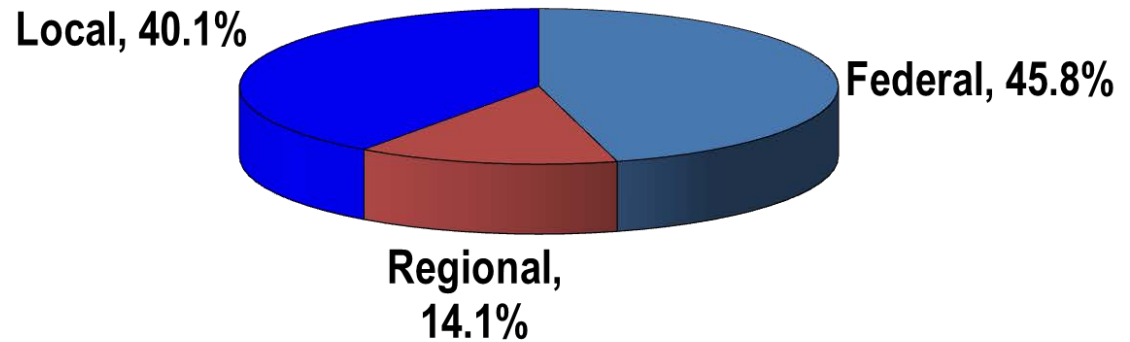


# 20-Mile LRT Project Capital Budget (April, 2008)



Total Cost - \$1.41 billion

# 20-Mile LRT Project Sources of Funding (Capital)



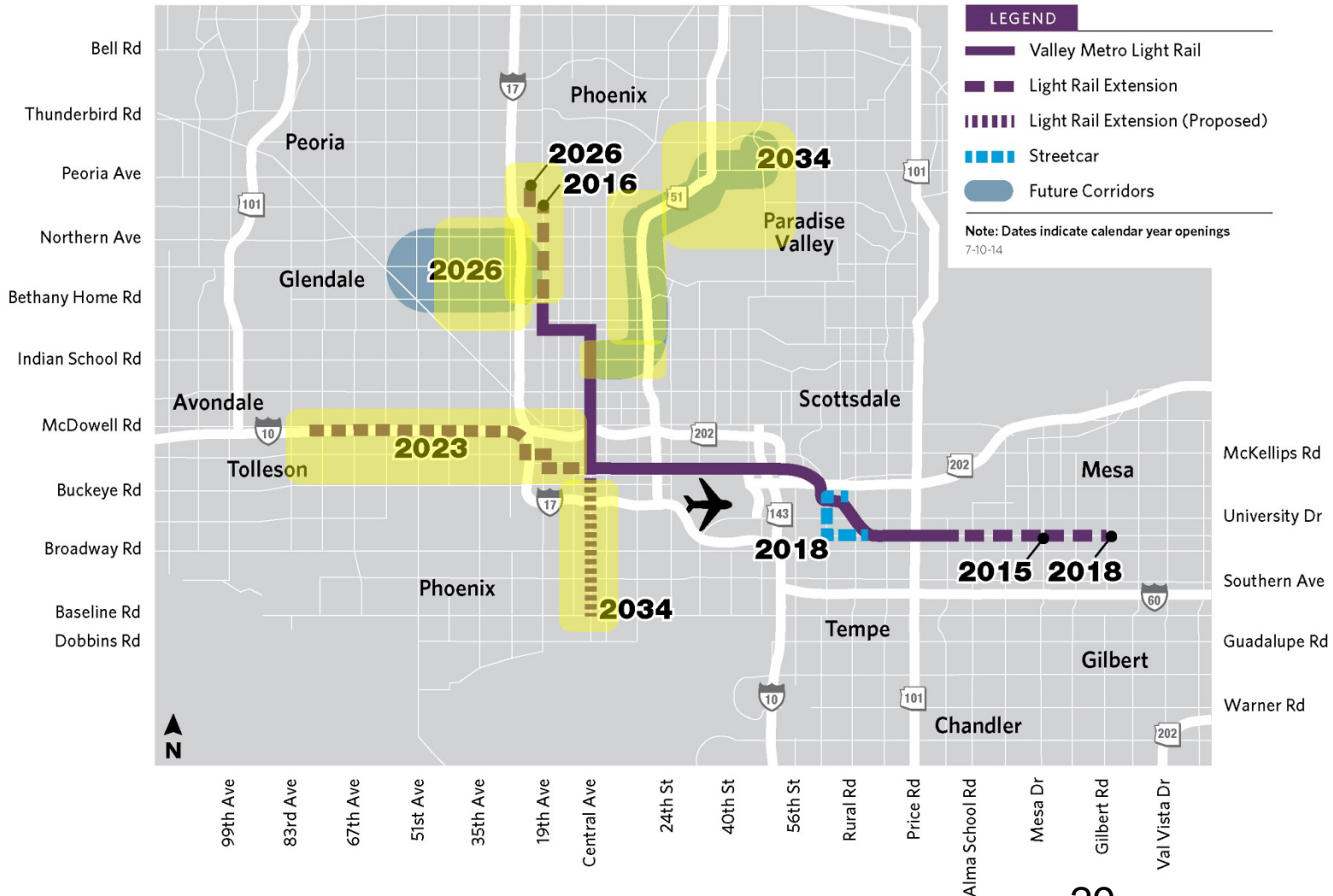
# Light Rail Funding Sources (Operating) Phoenix

- Operations
  - Phoenix local transit tax – T2000
  - Cost Recovery 40-45%
    - Fares
    - Advertising






# Future Phoenix Corridors in RTP

## 36 additional miles (yellow highlight)



# Types of High Capacity Transit

	Light Rail	Bus Rapid Transit	Streetcar
Speed	Higher	Higher	Moderate
Traffic Lanes	Dedicated	Dedicated or shared	Shared
Cost to Build	\$80 - \$130 million per mile	\$40- \$70 million per mile	\$40 – \$60 million per mile
Capacity	200 per car (connect up to 3 cars)	90 per bus	160 per car
Source: Valley Metro; August, 2012			

# Challenges of LRT Implementation

- Appropriate land use / economic development
- Auto traffic impacts
- Property impacts
- Lack of flexibility to change
- Long construction duration
  - Utility relocations a major part
- High capital cost



# Developments: Residential



Grigio Metro  
Tempe



Tapestry on Central  
Phoenix

Campus Suites  
Tempe



# Developments: Large Mixed Use



CityScape  
Phoenix



Hayden Ferry Lakeside  
Tempe



# Developments: Public Investment



Phoenix Convention Center



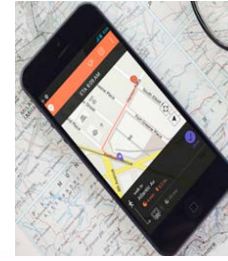
Civic Space Park



ASU Downtown Campus



# Support Services



## Procurement/Contracts

- Compliance with Federal, State, local requirements
- Buses and Dial-A-Ride vehicles

## Technology Services

- 200 regional customers
- 146 workstations
- 10 regional partners
- 1,000 vehicles on network

## Transit Enforcement Unit (TEU)

- Conduct daily targeted enforcement at bus and rail locations based on crime suppression data
- Station security guards at all transit facilities/park and rides
- Provide presence at rail platforms/ride bus routes
- August 2014: arrests 160, citations 419, calls for service 1,434
- 1 Commander, 2 Lieutenants, 4 Operational Sergeants, 2 Administrative Sergeants, 16 Sworn Police Officers, 24 Police Assistants, 33 Municipal Security Guards



# Support Services

## Transit Centers/Revenue Room

- 4 staffed transit centers
- 800+ retail locations
- 1,000 orders monthly
- Lost & Found
- 3,000 calls monthly



U.S. Department of Transportation  
**Federal Transit Administration**

## Transit Oversight (Federal Compliance)

- Federal Compliance is everything
- Without oversight (compliance), expect oversights (non-compliance)
- Consistent non-compliance leads to inconsistent Federal funding
- Regional leader: 10 FTA subrecipients