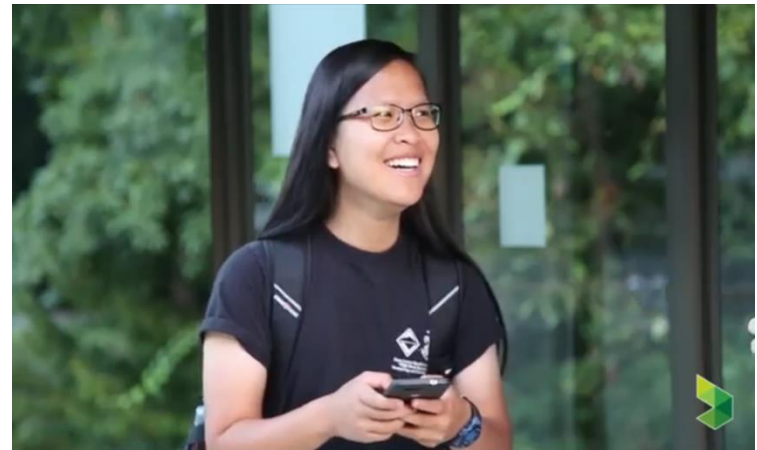




House Select Committee on Strategic
Transportation Planning and Long Term
Funding Solutions

Dec. 12, 2016

What is Public Transportation?



Benefits of Transit

Public Transportation Enhances Connectivity & Personal Opportunities

- Gives people options, or provides the only way to get to work, to school, doctor's appointments and other important places

Public Transportation Saves Families Money

- A two-person household can save, on the average, more than \$10,174 a year by downsizing to one car

Public Transportation Reduces Gasoline Consumption

- Public transportation use in the United States saves 4.2 billion gallons of gasoline annually



* Source: American Public Transportation Association

Benefits of Transit

Public Transportation Reduces Congestion

- Proven record of reducing congestion
- Latest research shows that in 2011, U.S. public transportation use saved 865 million hours in travel time

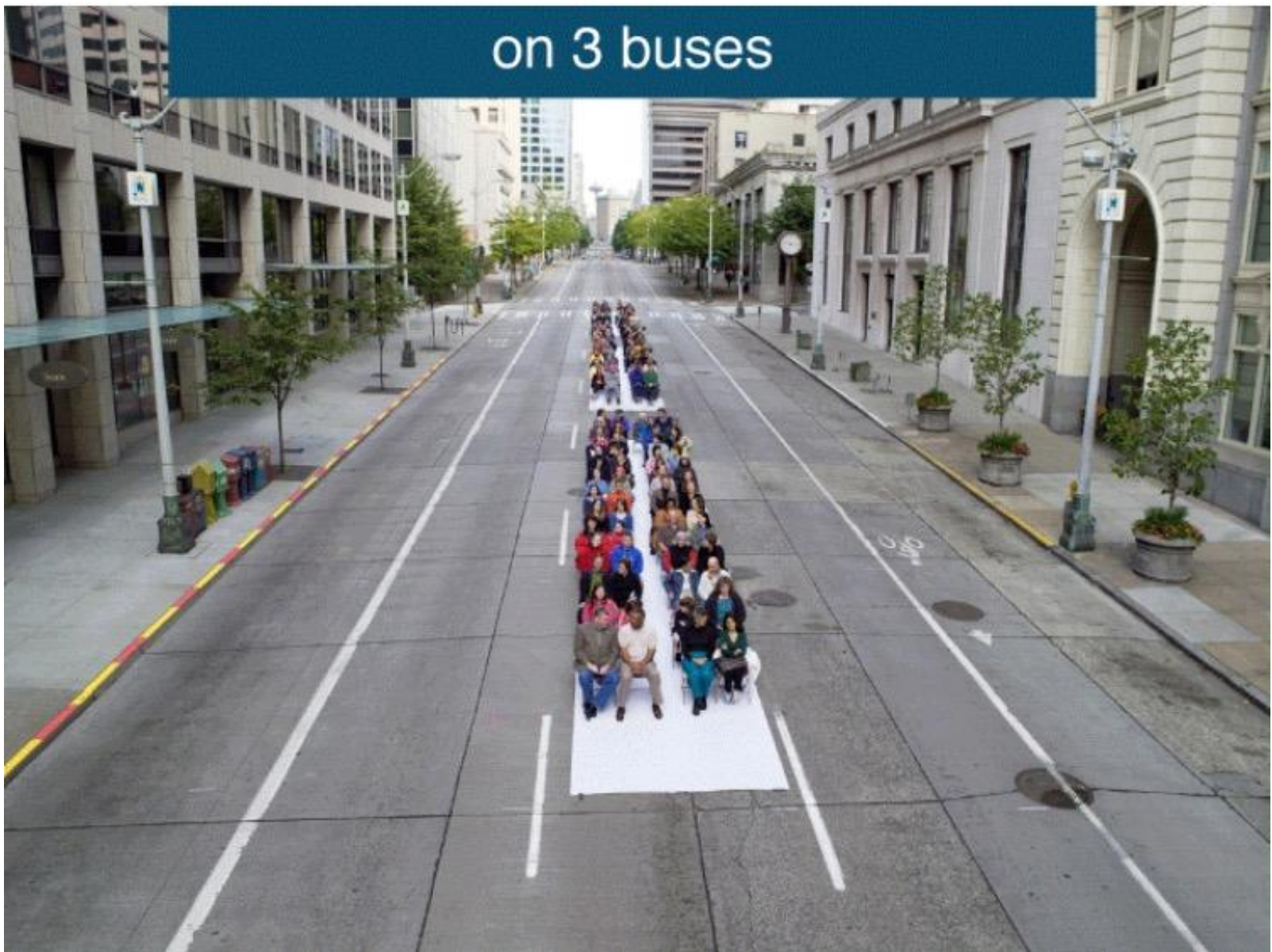


** Source: American Public Transportation Association*

Here are 200 people in 177 cars



on 3 buses



on 1 light rail train



Investment in Transit

Public Transportation Provides Economic Opportunities

- Every \$1 invested in public transportation generates approximately \$4 in economic returns
- Every \$1 billion invested in public transportation supports and creates more than 50,000 jobs
- Every \$10 million in capital investment in public transportation yields \$30 million in increased business sales
- Home values performed 42 percent better on average if they were located near public transportation with high-frequency service



* Source: American Public Transportation Association

North Carolina's Transit Investment



- In 2015, North Carolina's 99 public transportation systems served more than 75.4 million passengers.
- More than \$130 million in state and federal funds supported transit operations in all 100 counties. This funding supported 11,000 transit-related jobs, resulting in \$416 million in wages.
- Every \$1 that the state invests in transit generates approximately \$7 of total investment in North Carolina from federal, state and local sources.
- In 2015, North Carolina invested \$65 million in state funds, which helped bring in \$386 million in federal and local funds.

* NCDOT Public Transportation Division

How Transit Projects Are Funded

- Historically, federal, state and local funds used to build major transit infrastructure projects
 - In NC, Charlotte LYNX Blue Line (opened 2007) and LYNX Blue Line Extension (opening 2017) – each received 25% state funding

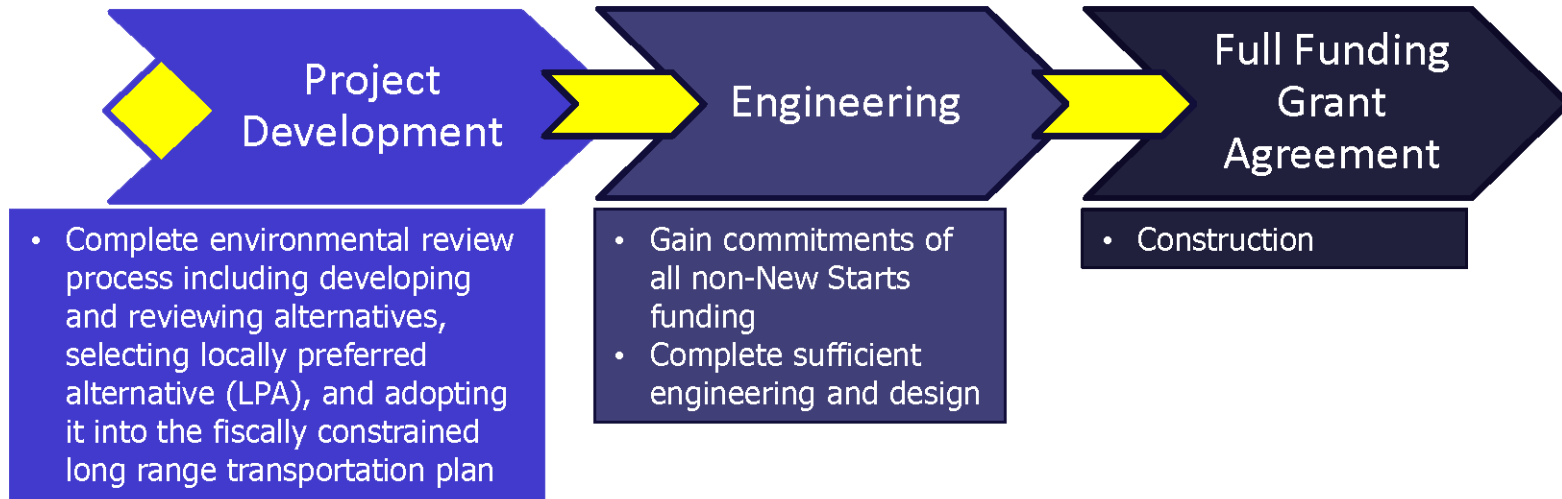


Primary Federal Source

- FTA Capital Investment Grants Program
 - Discretionary & Competitive Grant Program
 - Roughly \$2 billion/year awarded annually nationwide
 - Specifies stepwise process to be followed & rating criteria
 - Funds light rail, heavy rail/subway, commuter rail, streetcar, and bus rapid transit projects
- **New Starts**
 - Project cost > \$300m & seeking > \$100m in Fed \$
- **Small Starts**
 - Project cost < \$300m & seeking < \$100m in Fed \$

New Starts timeline

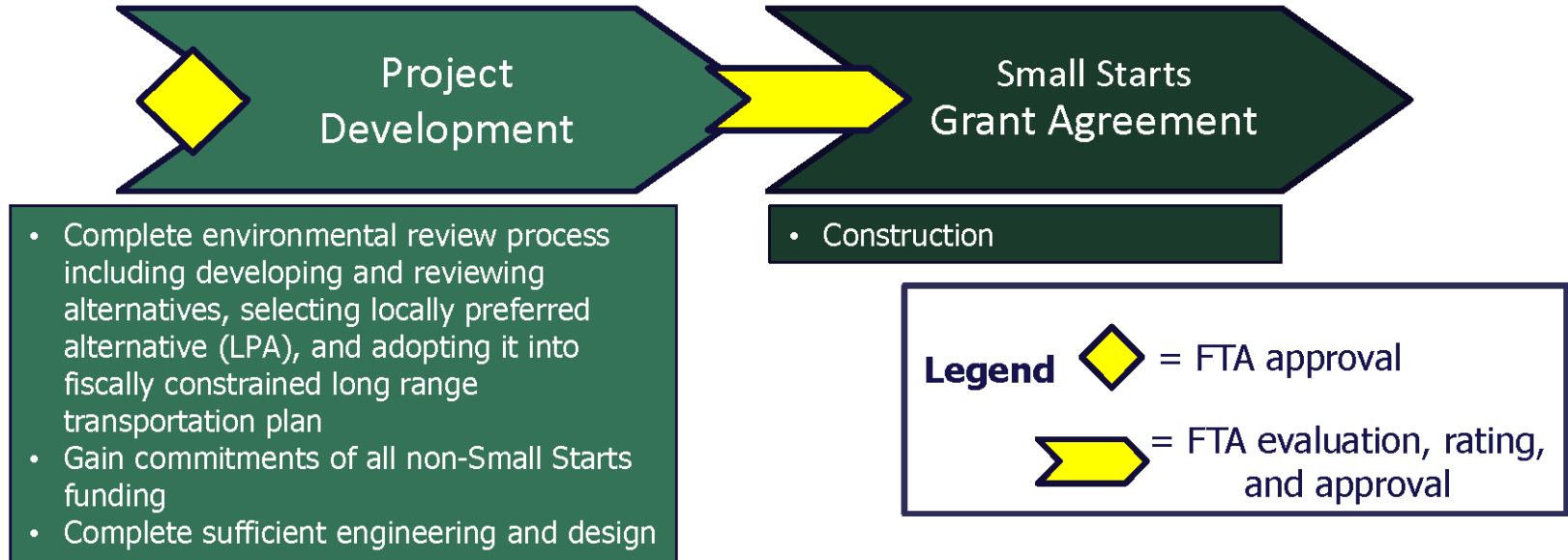
New Starts and Core Capacity Process



- Project Development: statutory 2 year maximum
- Engineering: 3-4 year maximum
- Some project work takes place before entry into New Starts
- Significant oversight by FTA and other federal agencies during process, including approval to enter Engineering + FFGA.

Small Starts timeline

Small Starts Process



New and Small Starts Project Evaluation and Rating under MAP-21

Individual Criteria Ratings

Mobility Improvements
(16.66%)

Environmental Benefits
(16.66%)

Congestion Relief
(16.66%)

Cost-Effectiveness
(16.66%)

Economic Development
(16.66%)

Land Use
(16.66%)

Current Condition
(25%)

Commitment of Funds
(25%)

Reliability/ Capacity
(50%)

Summary Ratings

Project Justification[†]
(50% of Overall Rating)

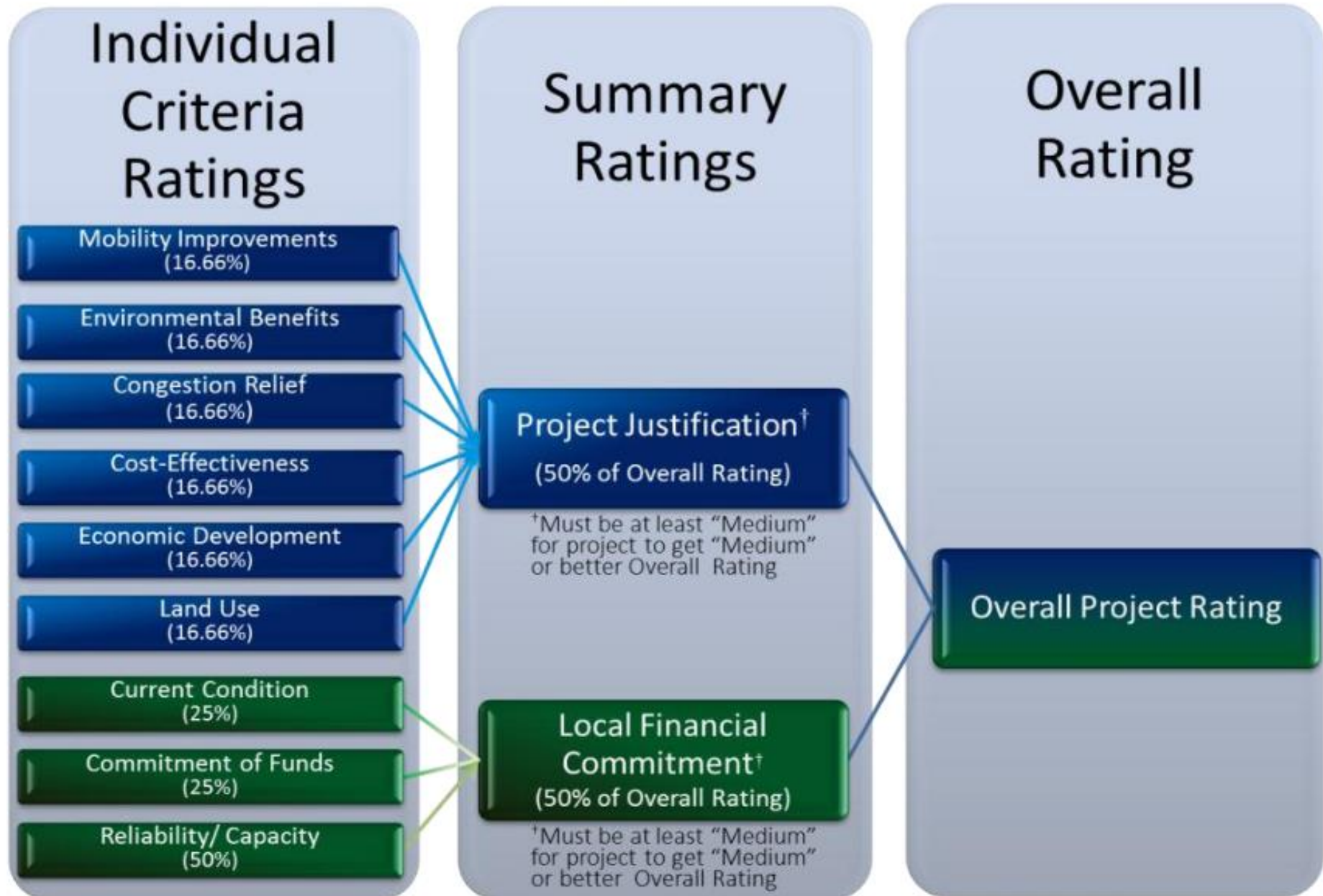
[†]Must be at least "Medium" for project to get "Medium" or better Overall Rating

Local Financial Commitment[†]
(50% of Overall Rating)

[†]Must be at least "Medium" for project to get "Medium" or better Overall Rating

Overall Rating

Overall Project Rating



State funding

- Competitive process through the Strategic Transportation Investments (STI) law
 - Transit projects only eligible in Regional tier (must serve two municipalities) and Division Tier
 - Two “10%” caps on transit projects
 - 10% of Total Regional Allocation over 10-year STIP period
 - 10% of Total Project Cost



FTA & STI criteria – well matched

Criteria	FTA	STI
Mobility	16.6%	20%
Cost-Effectiveness	16.6%	15%
Economic Development	16.6%	20%
Congestion Relief	16.6%	15%
Land Use	16.6%	NA
Environmental Benefits	16.6%	NA
Local Input Points	NA	30%

- Current STI (SPOT 4.0) criteria closely tracking FTA criteria means STI will only advance projects that will compete effectively for federal funds

P4.0 Public Transportation Criteria (Fixed Guideway)

<u>Criteria</u>	<u>Measure</u>	<u>Regional Weight</u>	<u>Division Weight</u>
Mobility	Estimated Annual Trips (1 point for every 250,000 Trips)	20%	15%
Cost Effectiveness	Cost of the Trip Over the Life of the Project (100 points for a cost of \$1 or less per trip; decreasing by 1 point for every \$0.03 increase per trip)	15%	15%
Economic Development	1 point per 1,000 new employees and 1 point per 500 new residents	20%	10%
Congestion Relief	$\frac{((\text{Guideway Passengers/Day}) \times 290 \text{ Days} \times 30 \text{ Years} \times \text{Avg Time of Trip} \times \text{Value of Time})}{\$10,000,000}$	15%	10%

Local funding

- Dedicated local revenue stream (HB 148, enacted 2009)
 - ½ cent sales tax dedicated to transit
 - Dedicated vehicle registration fees
- Other local revenue sources can be used



WHO WE ARE

GoTriangle is the regional transit provider for the Triangle



Vision Statement

To make exceptional public transportation the foundation of the region's community, prosperity, and mobility.

Mission

GoTriangle improves our region's quality of life by connecting people and places with safe, reliable, and easy-to-use travel choices.



Campaign inspiring commuters to take a bus, carpool, bike or walk instead of traveling alone in a car.

FY2015 TOTAL RIDERSHIP

1,843,735

2,630,942 fixed route miles travelled

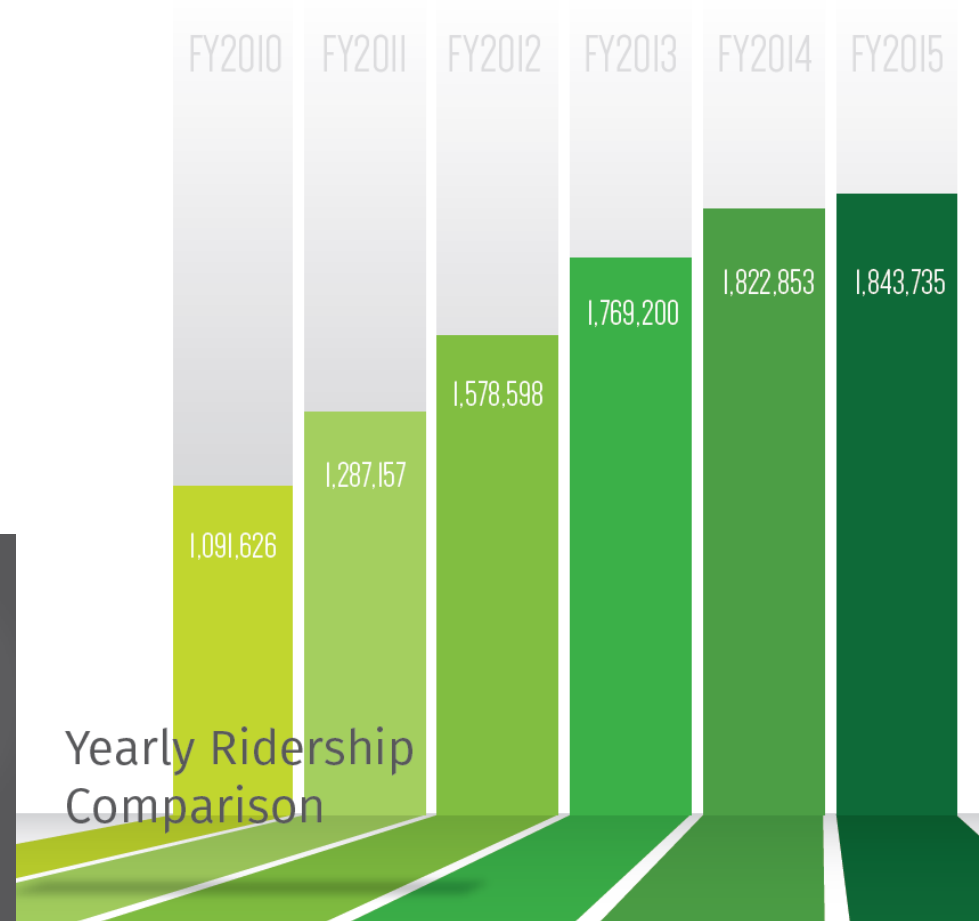
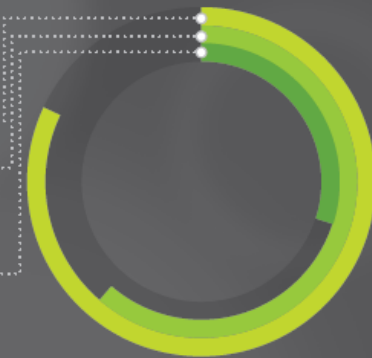
Buses By The Numbers:

- 73 Buses
- 14 Regional Routes
- 12 Weekday Express Routes
- 4 Shuttle Routes
- 14 Paratransit Vehicles

80.2% of our riders walk to the bus

67.2% of our riders use our services between home, work, or school

29.7% of our riders are students



OTHER SUSTAINABLE TRAVEL SERVICE



- Provide 70 vanpools with nearly 500 commuters to and from seven counties in NC
- Work directly with employers and property managers to promote commute options other than single occupied vehicles
- Support Other Commuter Resources: Trip Planning, Bike/Walk Options, Emergency Ride Home

Transit-Oriented Development

SunRail

Central Florida



61.5-MILE/17-STATION SunRail SYSTEM MAP

LEGEND

- Stations
- Parking Provided
- Maintenance Facility Option
- Layover Facility Option
- Phase 1 Alignment
- Phase 2 North Alignment
- Phase 2 South Alignment

The map illustrates the SunRail system's route from Deland in the north to Kissimmee in the south. Phase 1 (solid blue line) runs from Deland through Sanford, Lake Mary, Longwood, Altamonte Springs, Maitland, Winter Park, and Orlando to Kissimmee. Phase 2 North (dashed orange line) branches off from Deland and runs through Orange City and Deltona. Phase 2 South (dashed red line) branches off from Kissimmee and runs through Poinciana. Stations are marked with green circles. Parking is indicated by a 'P' in a green circle. Maintenance facilities are shown with a star in a green circle, and layover facilities with an 'L' in a green circle. The map also shows major highways (I-4, I-95, SR 408, SR 417, SR 428, SR 44, SR 17, SR 192, SR 418, SR 419, SR 420, SR 421, SR 422, SR 423, SR 424, SR 425, SR 426, SR 427, SR 428, SR 429, SR 430, SR 431, SR 432, SR 433, SR 434, SR 435, SR 436, SR 437, SR 438, SR 439, SR 440, SR 441, SR 442, SR 443, SR 444, SR 445, SR 446, SR 447, SR 448, SR 449, SR 450, SR 451, SR 452, SR 453, SR 454, SR 455, SR 456, SR 457, SR 458, SR 459, SR 460, SR 461, SR 462, SR 463, SR 464, SR 465, SR 466, SR 467, SR 468, SR 469, SR 470, SR 471, SR 472, SR 473, SR 474, SR 475, SR 476, SR 477, SR 478, SR 479, SR 480, SR 481, SR 482, SR 483, SR 484, SR 485, SR 486, SR 487, SR 488, SR 489, SR 490, SR 491, SR 492, SR 493, SR 494, SR 495, SR 496, SR 497, SR 498, SR 499, SR 500, SR 501, SR 502, SR 503, SR 504, SR 505, SR 506, SR 507, SR 508, SR 509, SR 510, SR 511, SR 512, SR 513, SR 514, SR 515, SR 516, SR 517, SR 518, SR 519, SR 520, SR 521, SR 522, SR 523, SR 524, SR 525, SR 526, SR 527, SR 528, SR 529, SR 530, SR 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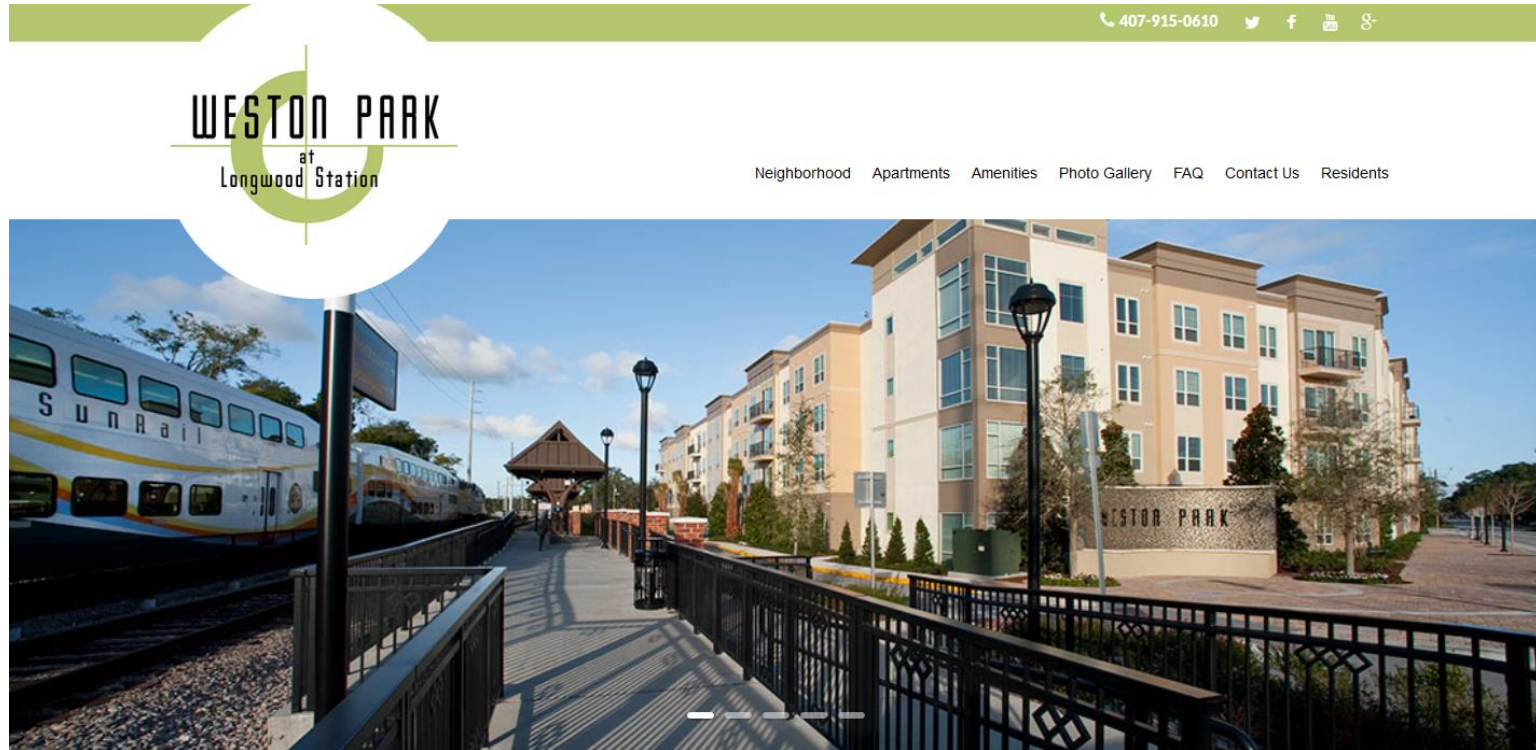


SunRail Project Funding

- 50% Federal - New Starts
- 25% State Funding
- 25% Local Funding
- Total project cost over a billion dollars



Development Example



Weston Park Apartments, Longwood Station,
Florida (Orlando Suburbs) 208 Units

SunRail – Transit-Oriented Development



SunRail – Transit-Oriented Development



SunRail TOD Update

- **Projects Completed Since 2010**

- Number of projects: 19
- Construction Value: \$868 million
- Permanent Jobs: 1,776



- **Projects Currently Under Construction**

- Number of projects: 13
- Construction Value: \$548 million
- Permanent Jobs: 2,284

- **Projects in Pipeline:**

- Number of Projects: 16
- Construction Value: \$1,792 million
- Permanent Jobs: 10,234



