



WELCOME



BRTS
Bus Rapid Transit System

Bus Rapid Transit Symposium

THOMAS CENTER SPANISH
COURT

October 14, 2008



Welcome!

❖ **Jesus Gomez, RTS Director**

❖ **Doug Robinson, RTS
Chief Planner**

Agenda

- ❖ **Welcome and Introductions**
- ❖ **BRT in the United States**
- ❖ **Presentation of BRT in Eugene, Oregon**
- ❖ **Presentation of BRT in Kansas City, MO**
- ❖ **Presentation by the Alachua County MTPPO**
- ❖ **Questions and Answers from the Audience - Panel Discussion**



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RTS Bus Rapid Transit Project

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RTS BRT Updates

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Public Involvement

RTS Homepage

RTS has hired the Center for Urban Transportation Research to help conduct a study to evaluate the feasibility of implementing a bus rapid transit service in the following corridors:

- SW 20th Avenue/SW 62nd Boulevard
- University Avenue/Newberry Road
- 13th Street (53rd Avenue to Williston Road)
- SW 23rd Terrace and SW 35th Place
- Archer Road (from Tower Road to SW 13th Street)
- Depot Avenue (from SW 13th Street to Waldo Road)
- Waldo Road (from Depot Avenue corridor to Airport Industrial Park)
- Hawthorne Road/SR 20 (from Waldo Road to SE 43rd Street)

For more information, please visit our [BRT Updates](#) and [About BRT](#) pages and continue to check back for details.

MEETING NOTICE:

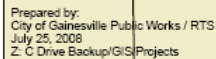
Join us **October 14 for the Rapid Transit Symposium.**
[CLICK HERE](#) for more information.

Please [RSVP](#) if you plan to attend.

For more information, please call Doug Robinson at 352-334-2621 or email robinsondk@cityofgainesville.org

CITY OF
GAINEVILLE
every path starts with passion
FLORIDA

RTS
REGIONAL TRANSIT SYSTEM



BRT Study Corridors

- ❖ SW 20th Avenue/SW 62nd Boulevard
- ❖ **University Avenue/Newberry Road**
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Nothing happens unless first a dream. - Carl Sandburg

Thanks!

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for project information and updates
or to give us your thoughts.

Agenda

- ❖ Welcome and Introductions
- ❖ BRT in the United States (Dennis Hinebaugh, Director, National Bus Rapid Institute)
- ❖ Presentation of BRT in Eugene, Oregon (Graham Carey, Lane Transit District)
- ❖ Presentation of BRT in Kansas City, MO (Dick Jarrold, Kansas City Area Transportation Authority)
- ❖ Panel Discussion – (Rob Gregg, CUTR)
- ❖ Presentation by the Alachua County Metropolitan Transportation Planning Organization (Marlie Sanderson)
- ❖ Questions and Answers from the Audience

Table II-1 New Starts and Small Starts Project Justification Criteria and Supporting Measures and Categories

Criterion	Measures/Categories
Cost Effectiveness (New Starts and Small Starts)	<ul style="list-style-type: none"> • Incremental Cost per Hour of Transportation System User Benefit
Transit Supportive Land Use and Future Patterns (New Starts and Small Starts)	<ul style="list-style-type: none"> • Existing Land Use • Transit Supportive Plans and Policies • Performance and Impacts of Policies
Mobility Improvements (New Starts only)	<ul style="list-style-type: none"> • User Benefits per Passenger Mile • Number of Transit Dependents Using the Project • Transit Dependent User Benefits per Passenger Mile • Share of User Benefits Received by Transit Dependents Compared to Share of Transit Dependents in the Region
Environmental Benefits (New Starts only)	<ul style="list-style-type: none"> • EPA Air Quality Designation

Reporting Item	Required Information		Small Starts	Very Small Starts	
Evidence of Basic Project Readiness					
Alternatives Analysis Report	Final Report				
Selection of the Locally Preferred Alternative and Adoption into Constrained Long Range Plan	Proof of local action				
Agreement on Baseline Alternative	FTA concurrence				
Initial Information for Before and After Study	Ridership and cost inputs and estimates				
NEPA Scoping (as appropriate to the NEPA Class of Action)	Scoping report or memorandum evincing completion				
Evidence of Sponsor Technical Capacity	Preliminary Project Management Plan, and/or other materials				
Project Background					
Project Description	Project Description Template				
Make the Case Document	Narrative, Data, Maps, Graphics				
Certification of Technical Methods and Planning Assumptions	Signed Certification				
Project Maps					
Project Site Map	Map				
Vicinity Map	Map				
Capital Costs					
Standard Cost Categories, including schedule, inflation, and funding	SCC Worksheets				
Annualized Cost Worksheets for Build and Baseline	SCC Worksheets				
Travel Forecasts*					
User Benefits Forecasts	Summit Reports				
Thematic Maps and Legend	Summit Output				
Summary of Travel Forecasts	Travel Forecast Template, Narrative, Data (as necessary)				
O/M Costs					
Summary of O&M Cost Productivities	Narrative, Data				

* Simplified travel forecasting procedures and results may be acceptable. Sponsors should discuss such procedures with FTA.

Small Starts/Very Small Starts Reporting Checklist

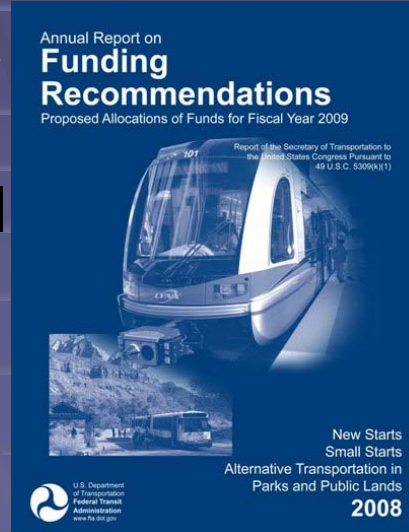
Reporting Item	Required Information		Small Starts	Very Small Starts	
Project Justification					
Cost Effectiveness (Opening Year)	Cost Effectiveness for Small Starts Template				
Annualization Factor Justification	Narrative, Data				
Transit Supportive Existing Land Use and Future Patterns					
Quantitative Land Use Information for Small Starts	Quantitative Land Use Information for Small Starts Template				
Qualitative Land Use Information for Small Starts	Qualitative Land Use Information for Small Starts Template, Narrative, Data, Maps				
Other Factors (Optional)					
Evidence of Economic Development, Congestion Pricing, and other project benefits	Narrative, Data, Maps				
Local Financial Commitment**					
Financial Plan Summary	Finance Template				
Evidence of Agency Financial Condition	Audited Financial Statements				
Evidence that Project O/M Costs are Within 5% of Systemwide O/M Costs	O/M Cost Analysis				
Supporting Financial Documentation	Narrative, Plans, Data, etc				

**Assumes Small Starts/Very Small Starts qualify for streamlined financial evaluation. If not, New Starts financial reporting requirements must be met.

Small Starts/Very Small Starts Reporting Checklist (continued)

Small Starts Projects

AZ, Flagstaff Mountain, Links **BRT**
CA, Livermore, Livermore-Amador Rt.10 **BRT**
CA, LosAngeles, Gap Closure Project
CA, LosAngeles, Wilshire Boulevard Bus Only Lane
CA, Riverside, Perris Valley Line
CA, San Bernadino, E Street Corridor SBX **BRT**
CA, San Diego, Mid-City Rapid
CA, San Francisco, VanNess Ave **BRT**
CO, FortCollins, Mason Corridor **BRT**
MA, Fitchburg, Fitchburg Commuter Rail Improvement
MI, GrandRapids, South Corridor **BRT**
MO, KansasCity, TroostCorridor **BRT**
OR, Portland, Streetcar Loop
OR, Springfield, Pioneer Parkway **BRT**
WA, King County, Bellevue Redmond **BRT**
WA, Seatac, Pacific Highway **BRT**



Small Starts Evaluation Criteria

- ❖ **Cost Effectiveness;**
- ❖ **Transit Supportive Land Use Policies and Future Patterns; and**
- ❖ **Other Factors, including economic development, as well as if the project is a principle element of a congestion management strategy, the “Making the Case” document, and any other locally-reported factors**

Small Starts Eligibility

- ❖ Under \$75M Section 5309
- ❖ Scaled down planning & project development process
- ❖ Any public body with legal, technical, and financial capacity
- ❖ Operation ability must be demonstrated

BRT Key Objectives

- ❖ **Improve image of transit**
 - **Operate like rail**
 - “Stations” rather than “stops”
 - Unique identity/branding
 - **Use new technology**
 - Signal priority, real-time signs, stop announcements
 - **Reduce travel time by 20%**
 - **Develop in partnership with City and community**
- ❖ **Increase corridor ridership**



FTA Funded Guidelines

Small / Very Small Starts

- ❖ New 5309 Funding Category
- ❖ Up to \$75M (FTA); Overall Project up to \$250M
- ❖ Simplified Process for “smaller” projects including bus rapid transit, streetcar, commuter rail, and other fixed guideway projects.
- ❖ Target: Get into Project Development and on *Annual Report on Funding Recommendations*

Tasks

Task 1: Project Management & Coordination

Task 2: **Develop a Public Involvement Plan (PIP) and conduct public workshops**

Task 3: Collect Data and coordinate with local transportation organizations

Task 4: **Identify Potential Corridors for Rapid Transit Consideration**

Task 5: Develop Criteria Screening Process for Corridor Evaluation

Task 6: **Conduct Technology Assessment**

Task 7: Conduct Corridor Selection and Refinement

Task 8: **Prioritize Alternative Service/Configurations**

Task 9: Select Final Priority Corridors and Prepare Implementation Plans

Task10: **Develop BRT Project Schedule and Milestones**

Task11: Prepare Draft – Final Report

Criteria Consideration

- ❖ existing and future transit demand
- ❖ existing transit services and infrastructure
- ❖ future transit market potential
- ❖ existing and future corridor residential and employment densities
- ❖ existing and future roadway and intersection geometries
- ❖ existing and future traffic conditions and travel flows
- ❖ compatibility with regional and local plans
- ❖ environmental/ROW constraints
- ❖ environmental justice

Evaluation Criteria Example

Initial Screening Matrix				Thresholds			
Objectives	Criteria	Measure	Weight	5	3	1	Score
A. Ridership	1. Current ridership	Average weekday ridership per mile	3	High	Med	Low	
B. Capital Cost Effectiveness	1. Right-of-way availability	Pinellas County GIS parcel data	1	High	Medium	Low	
	2. Potential for coordinated improvements	Percent of corridor with planned roadway improvements	2	High	Medium	Low	
C. Operating Cost Efficiency	1. Intersection delay potential	Number of signalized intersections per mile	2	High	Medium	Low	
	2. Level of congestion	Average roadway Level of Service in corridor	1	D or better	E	F	
D. Development Potential	1. Density Threshold Assessment	DTA index based on residential and employment densities	3	High	Medium	Low	
E. Accessibility	1. Neighborhood accessibility & transit dependency	TOI index based on Census demographic characteristics	1	High	Medium	Low	
	2. Transit connectivity	Number of transfer opportunities with existing non-parallel PSTA routes per mile (with focus on BRT network connectivity.)	1	High	Medium	Low	
	3. Regional connectivity	Number of transfer opportunities with inter-county services or connection to adjacent counties.	1	≥2	1	0	



RTS Mission Statement:

To provide our community with a safe,
courteous and reliable transportation alternative.