

WEBSITE <http://www.itsmarta.com/north-line-400-corr.aspx>
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DECEMBER 2012

TRANSIT TECHNOLOGIES CONSIDERED FOR GEORGIA 400*

	HEAVY RAIL	LIGHT RAIL/STREETCAR	BUS RAPID TRANSIT
WHAT IS IT?	High-speed rail cars powered by electric fixed guideway.	Rail cars powered by overhead catenaries.	Enhanced bus using technology to improve speed and reliability.
WHERE DOES IT GO?	Typically used to travel to and from urban locations.	Typically used to travel to and from urban locations.	Typically used to travel to and from urban locations.
WHAT IS CONTEXT? / HOW OFTEN DOES IT STOP?	Corridor with concentrated urban centers	Corridor with concentrated urban centers and/or suburban centers	Corridor with dispersed suburban and urban centers
WHAT IS THE MAXIMUM CAPACITY OF THE TRAIN OR BUS?	800 - 1,400 passengers (8-car train)	200 - 500 passengers (single streetcar or 2-car light rail)	45 - 150 passengers
HOW FAST DOES IT GO? (AVERAGE SPEED)	35-50 mph	10 - 30 mph	15-30 mph
WHAT ARE THE BALLPARK CAPITAL COSTS? (MILLIONS/MILE)	\$200-\$600	\$80-\$300	\$10-\$120
WHAT DOES IT LOOK LIKE?			
WHERE CAN I SEE IT?	Atlanta, Georgia; New York City, New York; Washington, D.C.	Phoenix, Arizona; Dallas, Texas; Charlotte, North Carolina; Portland, Oregon	Boston, Massachusetts; Cleveland, Ohio; Pittsburgh, Pennsylvania

* Other technologies considered included: diesel multiple unit, automated fixed guideway, and bus. These technologies were eliminated in the Fatal Flaw Analysis and outlined in the Technology Assessment Document (see website).

** High level estimates based on other cities and previous studies

No.2
newsletter

DID YOU KNOW?

Did you know that the study area already has more jobs than people?

And by 2040, jobs will increase by 45% and the area's population is projected to increase by 10%! North Fulton is definitely growing!

Source: Connect400 Existing Conditions Report

CONNECT

Take the Survey
Get all the latest details on the project at our public meetings and provide feedback.

Visit us on the web!
Find additional information on the project website:
<http://www.itsmarta.com/north-line-400-corr.aspx>

Follow us on facebook!
Like **Connect400** on facebook to receive meeting notices and project updates.

E-mail us!
If you would like to have your name added to the newsletter mailing list, please send your information to us at:
connect400@itsmarta.com

Call us!
Please feel free to also give us a call at: **404.524.1822**

Connect 400 Today

Welcome to our second newsletter for MARTA's Connect400 project! Together with its regional partners, MARTA is continuing its public outreach process to identify transit options that will improve mobility and accessibility around Georgia 400. To date, YOUR input has been instrumental in the development of a set of alternatives that will:

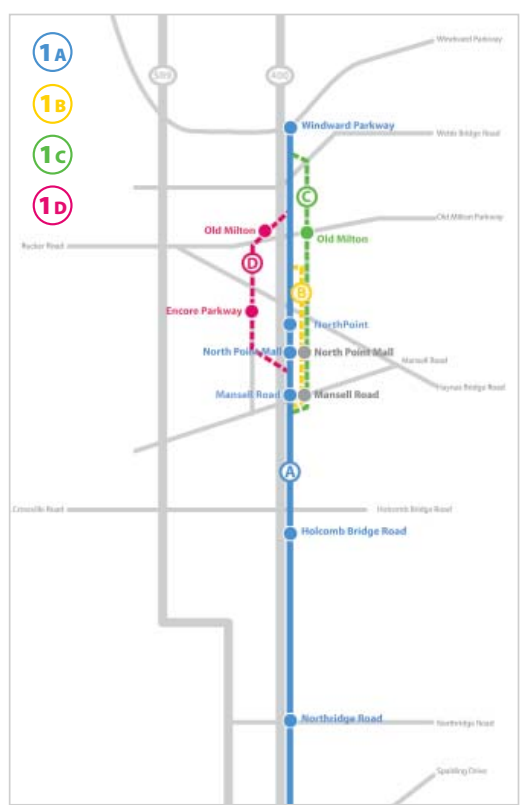
- Provide high capacity transit (bus and/or rail) through the GA 400 corridor study area,
- Improve transit linkages and coverage to communities within the study area,
- Connect to other regional transit projects, as well as, the existing transit network, and
- Enhance mobility and accessibility to and within the study area by providing a more robust transit network that offers an alternative to automobile traffic.

Based on input from the two previous public meetings, and other outreach activities, you identified a "universe" of alternatives. This universe of alternatives included multiple technologies and alignments throughout the study area. Once identified, they were screened for any fatal flaws, which include right-of-way constraints, community impacts and consistency with your goals and objectives. From your "universe" of alternatives, six (6) options made it through. All alternatives assume a robust east-west connector feeder system. The following page illustrates the alternatives. For more information on the fatal flaw analysis please visit our website <http://www.itsmarta.com/north-line-400-corr.aspx>.



Project Schedule

Georgia 400- Alternative 1 (A,B,C,D)



TRANSIT TECHNOLOGY CONSIDERED:

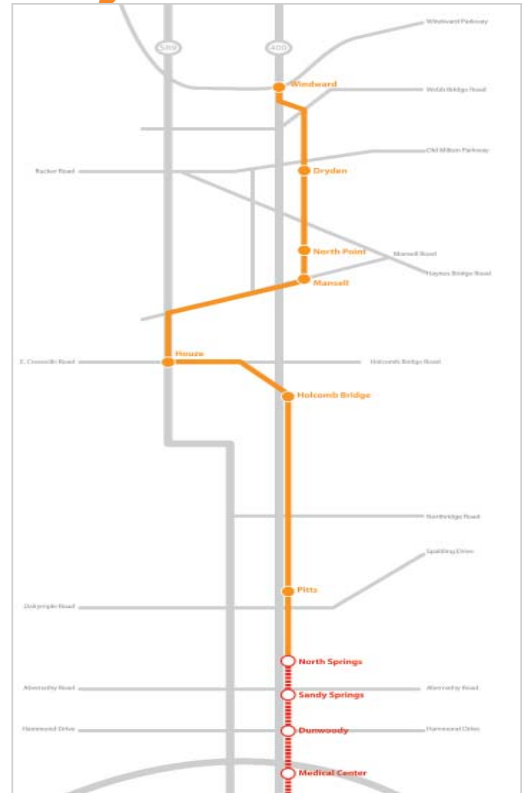
HRT LRT BRT

ALIGNMENT:
North Springs Station to GA 400 and Windward Parkway.

ASSUMPTIONS:
Use of Georgia Department of Transportation right-of-way
Most direct route
High construction costs
Few community impacts
Alternative will be integrated with other regional transit projects

ACTIVITY CENTERS:
North Point Mall
Perimeter Mall

Georgia 400- Alternative 3



TRANSIT TECHNOLOGY CONSIDERED:

BRT

ALIGNMENT:
North Springs Station, north along GA 400 to SR 140 (Holcomb Bridge Road), west to SR9, (Roswell Road) east along Windward.

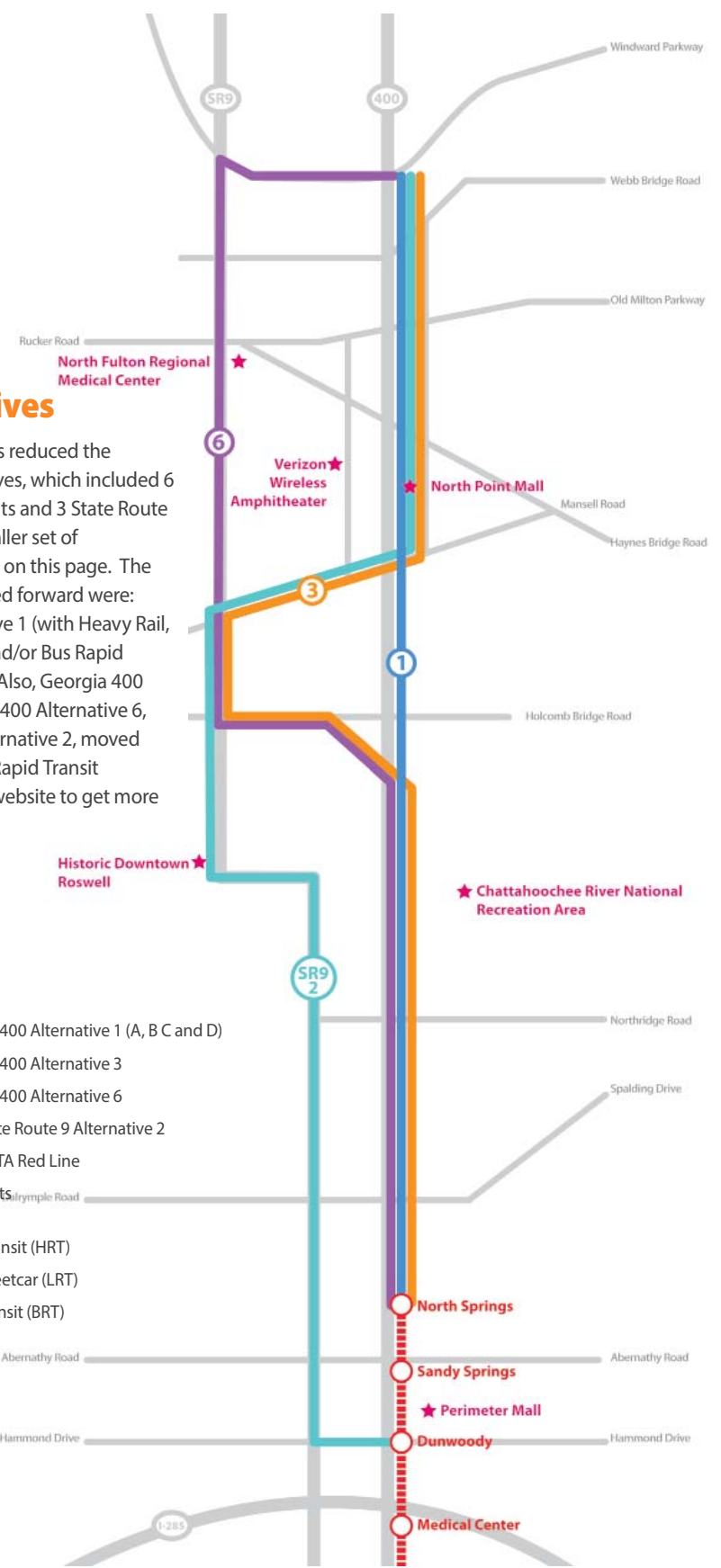
ASSUMPTIONS:
Use of Georgia Department of Transportation right-of-way
Dedicated lanes where feasible on arterials
Grade/topography/roadway alignment issues on State Route 9 (Roswell Road)
Alternative will be integrated with other regional transit projects

ACTIVITY CENTERS:
North Point Mall
Perimeter Mall

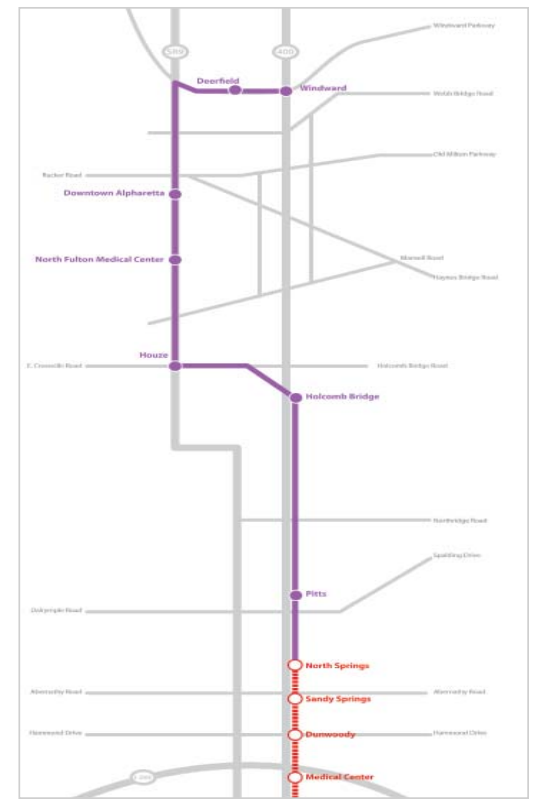
All Alternatives

The Fatal Flaw Analysis reduced the “universe” of alternatives, which included 6 Georgia 400 alignments and 3 State Route 9 alignments, to a smaller set of alternatives illustrated on this page. The alternatives that moved forward were: Georgia 400 Alternative 1 (with Heavy Rail, Light Rail/Streetcar, and/or Bus Rapid Transit technologies). Also, Georgia 400 Alternative 3, Georgia 400 Alternative 6, and State Route 9 Alternative 2, moved forward utilizing Bus Rapid Transit technology. Visit our website to get more information.

- LEGEND**
- Proposed GA 400 Alternative 1 (A, B C and D)
 - Proposed GA 400 Alternative 3
 - Proposed GA 400 Alternative 6
 - Proposed State Route 9 Alternative 2
 - Existing MARTA Red Line
 - Existing Streets
 - Heavy Rail Transit (HRT)
 - Light Rail/Streetcar (LRT)
 - Bus Rapid Transit (BRT)



Georgia 400- Alternative 6



TRANSIT TECHNOLOGY CONSIDERED:

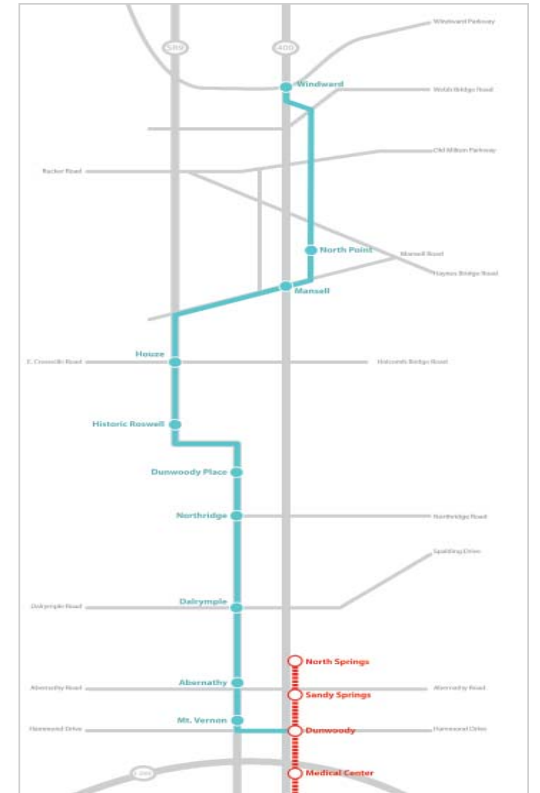
BRT

ALIGNMENT:
North Springs Station to GA 400 and Windward Parkway.

ASSUMPTIONS:
Use of Georgia Department of Transportation right-of-way
Most direct route
High construction costs
Few community impacts
Alternative will be integrated with other regional transit projects

ACTIVITY CENTERS:
North Point Mall
Perimeter Mall

State Route 9- Alternative 2



TRANSIT TECHNOLOGY CONSIDERED:

BRT

ALIGNMENT:
North Springs Station, north along GA 400 to SR 140 (Holcomb Bridge Road), west to SR9, (Roswell Road) east along Windward.

ASSUMPTIONS:
Use of Georgia Department of Transportation Right-of-Way
Dedicated lanes where feasible on arterials
Grade/topography/roadway alignment issues on State Route 9 (Roswell Road)
Alternative will be integrated with other regional transit projects

ACTIVITY CENTERS:
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