

Executive Summary

This a proposal for a high frequency transit network serving the Downtown and Uptown cores of Cincinnati. It is made up of four bus lines that connect to the Cincinnati Streetcar line.

About this file

I don't want to confuse anyone with this pdf. These are my personal ideas. This is not an official plan from the city, transit agencies, or streetcar project in any way. I am not affiliated with any of the aforementioned entities. This is not the opinion of the various streetcar citizen organizations. I am not a transit expert, urban planner or civil engineer. I'm simply an interested citizen of Cincinnati.

- The Cinculators are a system of four bus lines that comprehensively serve the Uptown area plus the Cincinnati Streetcar.
- The Cinculators all connect at a common Transit Center in Uptown.
- The Cinculators make high frequency service (10 minutes or less in between vehicles) the hallmark of their brand.

- The Cinculator bus lines are Northside/Clifton, Auburn/Vine, Hospitals/Avondale, and Walnut Hills.
- Phase 1B of the Cincinnati Streetcar comes Uptown to meet them using Vine Street.

- The Cinculators would be defined by the following characteristics:
 - High-frequency service (all day, 10-minute headways).
 - Long Span Service (long per-day operating hours.)
 - Connections to key activity centers and transit modes.
 - Simple, affordable fare structure.
 - Same fare structure as Cincinnati Streetcar
 - \$1 per two hours usage
 - Free transfer between lines
 - Easy to understand routes.

^{**}Adapted from the stated brand characteristics of the DC Circulator in Washington, DC

- The Cinculators connect Jobs
 - 60,028 in Downtown/OTR/Pendleton
 - 53,492 in Uptown (Avondale, Clifton, Corryville & Mount Auburn)
 - 113,520 Total (~52% of city total)
 - Source: UC Economics Center
- The Cinculators connect People
 - 13,521 in Downtown/OTR/Pendleton (2013 DCI Estimate)
 - 76,133 in other neighborhoods (2010 Census)
 - 89,654 Total (~30% of city total)

- The Cinculator bus lines serve Cincinnati State, the University of Cincinnati, and Xavier University
- The Cinculator bus lines serve all seven hospitals Uptown
 - Good Samaritan
 - Deaconess
 - VA
 - University

- Children's
- Shriners
- Christ
- The Cinculator bus lines serve the Cincinnati Zoo
- The Cinculator bus lines serve ten neighborhoods:
 - Northside
 - Clifton
 - Clifton Heights
 - Corryville
 - Mt. Auburn

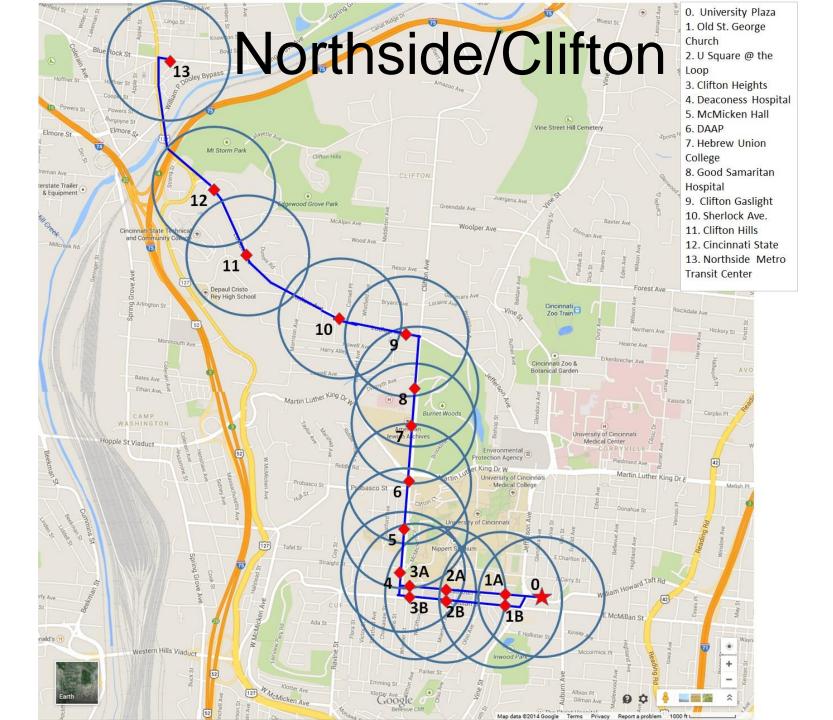
- Avondale
- North Avondale
- Walnut Hills
- East Walnut Hills
- Evanston

The Cinculator Bus Lines

Star is the Uptown Transit Center

Diamonds are stops

Circles are approximate Quarter Mile Walkshed radii



Northside/Clifton

Line Lengths and Times

Line	Line Miles	Round Trip Miles	Line Stops	Round Trip Stops	Stops/ Mile	Vehicles	МРН	Line Time (Minutes)	Round Trip Time (Minutes)	Min Headway (Minutes)
Clifton/ Northside	3.4	6.8	14	26	3.8	5	12	17.0	34.0	6.8

What's on the Line

Route	POI's (Points of Interest)	Neighborhoods	2010 Census Neighborhoods Population
Clifton Heights/	University Plaza, University of Cincinnati, U Square at the Loop, Hughes High School, Deaconess Hospital, Stratford Heights, Hebrew Union College, Burnet Woods, Good Samaritan Hospital, future Clifton co-op grocery, Ace Hardware, Esquire Theater, Clifton Place Apts., Cincinnati State, Hoffner Park, American	CUF, Clifton,	
Clifton	Can Building	Northside	32,760

Connections

- Uptown Transit Center
- Northside Metro Transit Center (Routes 15x, 16, 17, 19, 20, 23, 27, 51)

Vine/Auburn 127 Sign in Loraine Ave Traffic, Bicycling, Terrain, Directions Cincinnati Rockdale Ave Hutchins Ave [52] Ludlow Ave Rockdale Ave Swan Lake Windham Ave Woodward Park Hearne Ave Cincin Qi Zoo & Botan Garden Lowell Ave. (42) Hale Ave Martin Luther King Dr W H Good Samaritan Hospital Carplin PI Whittier St Luther King Dr E (42) Melish Pl Probasco St Beecher St University of Cincinna Marshall Ave [127] Lincoln Ave Nippert St Chapel St Tafel St (3) Hauck Botanic Gardens Yale Ave [42] Calhoun St W McMillan St Iliam Hov E McMillan St ≥ Viaduct (42) W McMicken Ave Dayton St Jackson Hill P Dayton St Heros Grove Findlay St Findlay St (42)

- 1. Dorchester Ave.
- 2. Christ Hopital
- 3. McGregor Ave.
- 4. Hollister St.
- O. Uptown Transit Center
- 5. Daniels St.
- 6. MLK/Hampton Inn
- 7. EPA
- 8. VA
- 9. Cincinnati Zoo

Vine/Auburn

Line Lengths and Times

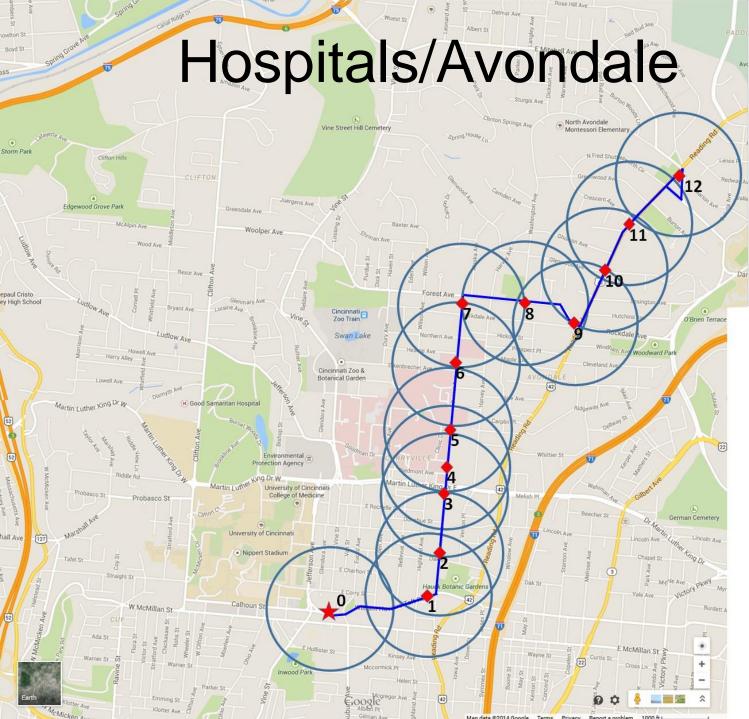
Line	Line Miles	Round Trip Miles	Line Stops	Round Trip Stops	Stops/ Mile	Vehicles	МРН	Line Time (Minutes)	Round Trip Time (Minutes)	Min Headway (Minutes)
Vine St/ Auburn Ave	1.7	3.4	10	18	5.3	3	12	8.5	17.0	5.7

What's on the Line

Route	POI's (Points of Interest)	Neighborhoods	2010 Census Neighborhoods Population
Vine	Cincinnati Zoo, VA, EPA, Marriott, Hampton Inn, Stetson Square, Views on Vine, University Plaza, Inwood Park, Planned Parenthood, The Christ Hospital, Christ Hospital Joint and Spine Center, Taft Historic Site, Hamilton County Juvenile Center, Taft Elementary/Mt		
St/Auburn	,	Mt Auburn,	0.004
Ave.	International Academy, Jackson Hill Park	Corryville	8,231

Connections

Uptown Transit Center



- 0. Uptown Transit Center
- 1. Christ Hospital Offices
- 2. Oak St./ Vernon Manor
- 3. MLK Drive
- 4. University Hospital
- 5. Children's Hospital
- 6. Children's Hospital Offices
- 7. Forest Ave.
- 8. Washington Ave.
- 9. Avondale Town Center
- 10. Glenwood Ave.
- 11. South Fred Shuttlesworth Circle
- 12. Seasongood Square

Hospitals/Avondale

Line Lengths and Times

Line		Round Trip Miles	Line Stops	Round Trip Stops	Stops/ Mile	Vehicles	МРН	Line Time (Minutes)	Round Trip Time (Minutes)	Min Headway (Minutes)
Hospitals/ Avondale	2.9	5.8	13	24	4.1	5	12	14.5	29.0	5.8

What's on the Line

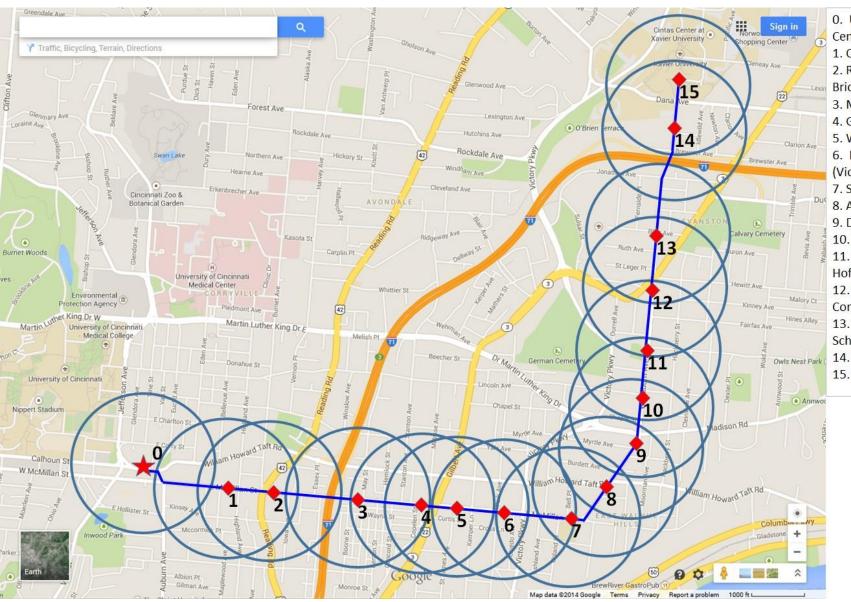
Route	POI's (Points of Interest)	Neighbor- hoods	2010 Census Neighborhoods Population
	University Plaza, Christ Hospital offices,		
	Cincinnati Public Schools Office, Hauck		
	Gardens, Tri Health Bethseda Oak Complex,		
	Vernon Manor, Children's Hospital Offices,		
	Talbert House/Crossroads Center, Stetson		
	Square, future MLK interchange development,		
	Barret Cancer Center, Hoxworth Blood Center,		
	Cincinnati Board of Health, UC medical		
	colleges, UC Health, Shriner's Hospital,		
	Universty Hosptial, Children's Hospital,		
	Children's Hospital Research Tower, Children's		
	Hospital Annexes, Rockdale Academy,The		
	Beechwood, South Avondale Elementary,		
	Lincoln Statue, Avondale Town Center (with	Avondale,	
Hospitals/	grocery under development,) Avondale Library,	North	
Avondale	The Redding, The Belvedere	Avondale	15,695

Connections

Uptown Transit Center

Route Requires Two Way Conversion or a Transit Only lane on a portion of Taft Rd.

Walnut Hills



- O. Uptown Transit Center
- 1. Campus Park
- 2. Reading Road Bridge and Stairs
- 3. May St.
- 4. Gilbert Ave.
- 5. Walnut Hills Kroger
- 6. Laredo Ave. (Victory Parkway)
- 7. St. Ursula
- 8. Anthem offices
- 9. DeSales Corner
- 10. Purcell Marian
- 11. Dexter Ave./
- Hoffman Playground
- 12. Evanston Community Center
- 13. Walnut Hills High School
- 14. Wasson Way
- 15. Xavier University

Walnut Hills

Line Lengths and Times

Line	Line Miles	Round Trip Miles	Line Stops	Round Trip Stops	Stops/ Mile	Vehicles	МРН	Line Time (Minutes)	Round Trip Time (Minutes)	Min Headway (Minutes)
Walnut Hills	3.2	6.4	16	30	4.7	5	12	16.0	32.0	6.4

What's on the Line

			2010 Census
Davita	DOUG (Deinte of laters at)	Ni a i adala a ada	Neighborhoods
Route	POI's (Points of Interest)	Neighborhoods	Population
	University Plaza, McMillan Manor, new		
	Women's Drop Inn Center & Anna Louise		
	Inn, United Way, Union Institute &		
	University, Lighthouse Youth Services,		
	Essex Studios bldg, Dohn community		
	high school, Beck Hardware, Kroger,		
	Walnut Hills Library, Alms Apts, St Ursula		
	Academy, UC College of Applied Science,		
	high rises overlooking river, Anthem Blue		
	Cross Blue Shield Offices, St. Francis de		
	Sales, Purcell Marion High School,		
	Evanston Academy (Hoffman,) Evanston		
	Community Center, Walnut Hills High	Walnut Hills,	
	School, Xavier University, University	East Walnut	
Walnut Hills	Station, Listerman Brewing	Hills, Evanston	19,447

Connections

- Uptown Transit Center
- Wasson Way Trail System

Route Requires Two
Way Conversion or a
Transit Only lane on
portions of McMillan St.

Lines Summary

Line	Line Miles	Round Trin Miles		Round Trip Stops	Stops/ Mile	Vehicles	МРН	Line Time (Minutes)	Round Trip Time (Minutes)	Min Headway (Minutes)
Downtown + Up the Hill (Cincinnati	3.2 (northbound)	5.8	14 (northbound) 10 (southbound)	•	4.0	5	8	24 (northbound) 19.5 (southbound)	43.5	8.7
Clifton/ Northside	3.4	6.8	14	26	3.8	5	12	17.0	34.0	6.8
Vine St/ Auburn Ave	1.7	3.4	10	18	5.3	3	12	8.5	17.0	5.7
Hospitals/ Avondale	2.9	5.8	13	24	4.1	5	12	14.5	29.0	5.8
Walnut Hills	3.2	6.4	16	30	4.7	5	12	16.0	32.0	6.4

Line Miles: Length of line on map end-to-end

Round Trip Miles: Miles a vehicle travels on a line and back again

Line Stops: Number of stops end-to-end

Round Trip Stops: Number of stops seen by vehicle going out and back

Stops/Mile: Round Trip Stops / Round Trip Miles Vehicles: number of vehicles dedicated to each line

MPH: Assumes average speed

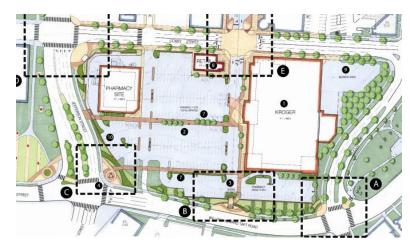
Line Time: Time to traverse line end to end

Round Trip Time: Time for vehicle to travel out and back

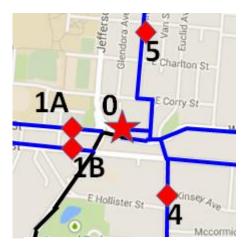
Minimum Headway: minimum time in between vehicles at a given stop

Uptown Transit Center

Uptown Transit Center



Site Plan for University Plaza (2008*)

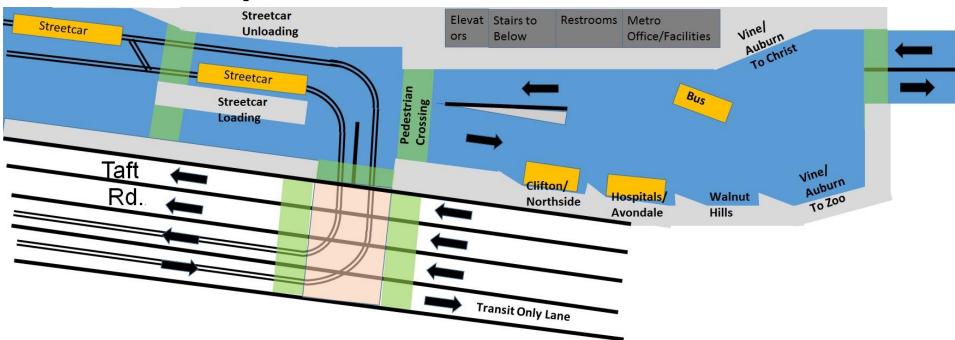


Close up of the Converging Lines



Proposed Transit Center
(Detail next page)
Transit Center in Blue
New Intersection with Signal in Orange
Transit Only Lane in Purple
Transit Center is at same elevation with Taft Rd.
Lot is preserved beneath Transit Center

Uptown Transit Center



Uptown Transit Center Concept Drawing

- Transit Center is on a deck that is level with Taft Rd. extending out over the University Plaza parking lot. Parking is preserved underneath the deck.
- Stairs and elevator offer access to University Plaza below.
- Streetcars and buses enter Uptown Transit Center via a new intersection on Taft Rd. except Vine/Auburn bus which utilizes Euclid Ave. entrance/exit
- An eastbound Transit Only lane is added to Taft Rd.
- Proximity to Metro Routes 19, 24, 31, 38x, 46, 78, and Metro Plus

Why Cinculators?

Frequency

- According to transit expert Jarrett Walker, "Frequency is Freedom" for a transit customer.
- Frequency enables people to take spontaneous trips and is important for a less auto dependent lifestyle.
- High frequency reduces the disliked waiting phase of a transit trip and reduces total trip time.

(source: Jarrett Walker, *Human Transit*)

Connection Points

- According to transit expert Jarrett Walker, "Connections Buy Frequency"
- This is because there are more vehicles heading in your intended direction of travel than if the same number of vehicles were spread out over many direct lines.
- A connection point can also simplify the whole system and make it easier to understand.

(source: Jarrett Walker, Human Transit)

Cinculator Goals

- Provide people access to jobs
 - Get people working without high entry cost of vehicle ownership
 - "Eds and Meds" facilities along the Cinculator lines will be the growth engines of our economy for years to come
- Promote the repopulation of the city
 - High frequency neighborhood circulators will be an amenity that attracts people of all backgrounds and income levels
 - More taxpayers equals better services for everyone
- Boost neighborhoods
 - City neighborhoods and first ring suburbs face challenges nationwide while urban cores and exurbs thrive
 - Need a gamechanger to hold and grow property values
 - Need to make restoration of abandoned historic buildings an attractive option before these buildings decay past the point of no return

Cinculator Goals

- Give the option for a car-lite or car-free lifestyle
 - Enable everyday non-commute trips via transit
 - Provides Cincinnati an economic advantage- not many competitor cities for hundreds of miles can offer this.
 - Good for the environment
 - A city built for people and not cars is physically more attractive

Promote Density

- Density means less infrastructure maintenance costs spread out over more people.
- We often say that Cincinnati is a city of 300k people built for 500k people (our historic peak.) But it wasn't built to accommodate suburban-style parking requirements and traffic from 500k completely auto dependent people.

Would be a logical place for Senior Housing

- Senior population is growing rapidly as Baby Boomers age
- Seniors are outliving their ability to drive
- Vibrant city neighborhoods can help seniors stay connected
- Cincinnati's largest hospitals and countless medical facilities are along the Cinculator transit network.
- Provides access to grocery stores and Findlay Market

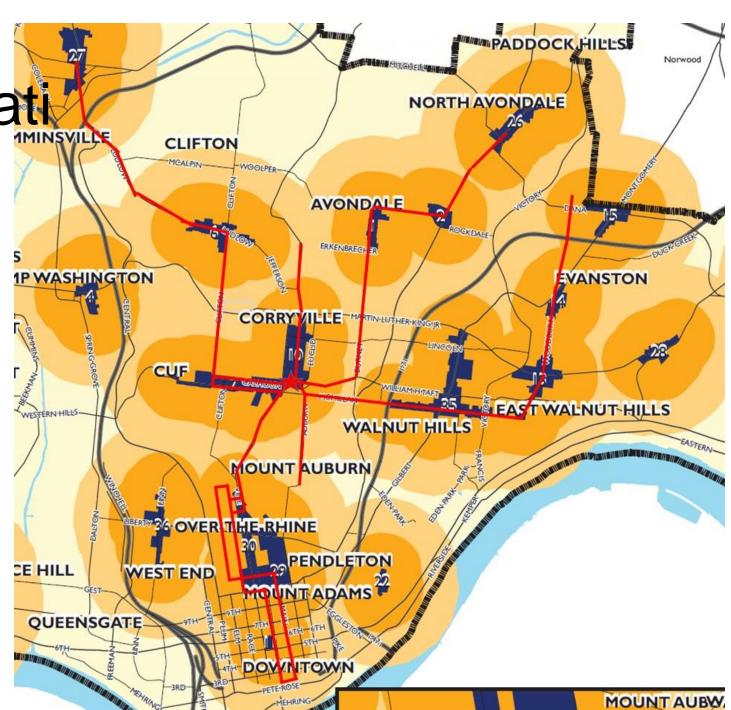
Plan Cincinnati

- The Cinculator bus lines would assist in reaching the goals laid out by Plan Cincinnati, Cincinnati's award winning plan for the future adopted in 2012
- The Cinculator bus lines connects 11 uptown neighborhood centers as defined by Plan Cincinnati. They are:
 - Northside
 - Clifton
 - Clifton Heights
 - Corryville
 - Avondale (A)
 - Avondale (B)
 - North Avondale
 - Walnut Hills
 - East Walnut Hills
 - Evanston (A)
 - Evanston (B)
- Also, Auburn Ave. was designated as a "Preliminary Opportunities for Future Mixed-Use Development or Neighborhood Centers."

Plan Cincinnati

> Cinculator Bus Lines and Downtown Streetcar superimposed in RED onto Plan Cincinnati Map.

Star is Uptown Transit Center



Plan Cincinnati

- In Plan Cincinnati, the centers were ranked either maintain, evolve, or transform for walkability (Maintain having the highest walkability.)
- The 11 centers connected by the Cinculator bus lines were categorized as follows:

Maintain	Evolve	Transform		
Clifton	Clifton Heights	Avondale (A)		
	Corryville	Avondale (B)		
	East Walnut Hills	Walnut Hills		
	Northside	Evanston (A)		
	North Avondale	Evanston (B)		

- A neighborhood circulator could help increase walkability and pedestrian activity in the centers that need a boost.
- A neighborhood circulator would help transform Auburn Ave. into a Future Neighborhood Center as suggested by the Plan