

Newark

Transportation Plan

November 16, 2010
Public Meeting

www.wilmapco.org/newark



What is the Newark Transportation Plan?

- Follow-up to the 1998 Newark/Elkton Intermodal Transportation Plan
- Update short-term improvements & long-term strategies based on the community's changing priorities, economic development opportunities, and land use impacts
- Re-examine:
 - Congestion & traffic operations
 - Bicycle & pedestrian needs
 - Transit service & coordination
 - Parking



What's been done since 1998?

Increase Roadway Capacity

- ✓ Widen DE 273: Marrows Rd-I-95 to 4 lanes
- ✓ Extend Wyoming Rd to Marrows Rd

Increase Access to All Travel Modes

- ✓ Upgrade transit service *-ongoing*
- ✓ Build Casho Mill Rd bike/pedestrian underpass
- ✓ Add bicycle & pedestrian safety elements at downtown intersections
- ✓ Continue Newark Bike Committee & build Hall and Pomeroy trails
- ✓ Build Newark Transit Hub
- ✓ Promote pedestrian oriented redevelopment of Main & Elkton

Increase Efficiency of Roadway

Operations / Local Circulation

- ✓ Implement electronic toll collection on I-95
- ✓ Install coordinated computerized signal system in Newark (*installed, issues remain*)
- ✓ Revise operations of Main – College intersection
- ✓ Modify DE 273 – DE 2/72 intersection
- ✓ Improve signage & access to off-street parking lots
- ✓ Develop Newark Traffic Calming guidelines/plan

Commuting in Newark

- More likely to walk or bike to work
- Less likely to drive alone or take transit

Mode	Newark 2000	Newark 2006-8 avg.	New Castle Co 2000	New Castle Co 2006-8 avg.
Drove alone	69.5%	60.7%	79.0%	78.2%
Carpool	8.5%	11.0%	10.9%	10.2%
Transit	4.0%	1.8%	3.9%	4.5%
Walk	13.0%	17.6%	2.8%	3.0%
Bike	1.6%	4.7%	0.2%	0.4%

Source: 2000 Census, 2006-8 average American Community Survey

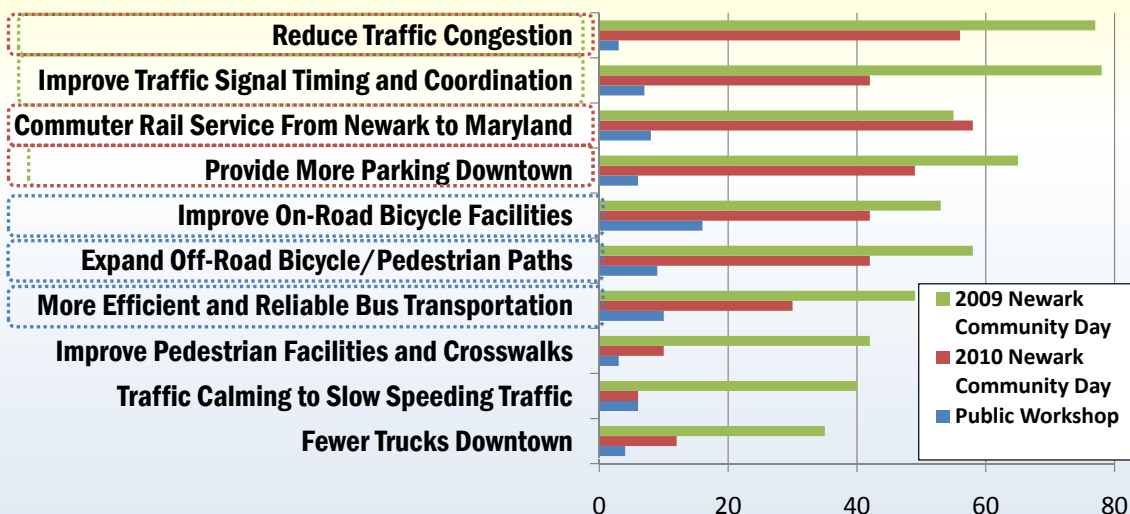
What's our planning process?

- Advisory Committee
- Newark Community Day mini-workshop
- Public Workshops
 - May 19 (4-7 p.m. open house)
 - November 16 (7 p.m. presentation/discussion)
 - Spring 2011
- Website — www.wilmapco.org/newark
- Facebook



Priority issues

- Sticker survey: number of responses



Newark Resident Survey

- Satisfaction with transportation services & quality of life

	1999	2004	2009	Change 04-09
Street cleaning	90%	91%	94%	2%
Parking - Neighborhood	79%	90%	92%	2%
Street lighting	90%	90%	90%	0%
Repair - Neighborhood streets	84%	78%	89%	11%
UniCity bus	89%	91%	89%	-3%
Repair - Major streets	88%	71%	86%	16%
Bike lanes/trails	na	88%	82%	-6%
Newark Trolley	na	na	80%	na
Traffic control	57%	62%	79%	17%
Amount of traffic	na	na	68%	
Parking - Downtown	45%	59%	66%	6%

Source: City of Newark, 2009 Newark Resident Survey

Issue: Congestion and Safety

- Heavy traffic volumes and high crash rate
- Safe travel by all—car, bus, bike, walking
- Safe intersections—travel delay & signal timing
- Gaps in street grid



Congestion

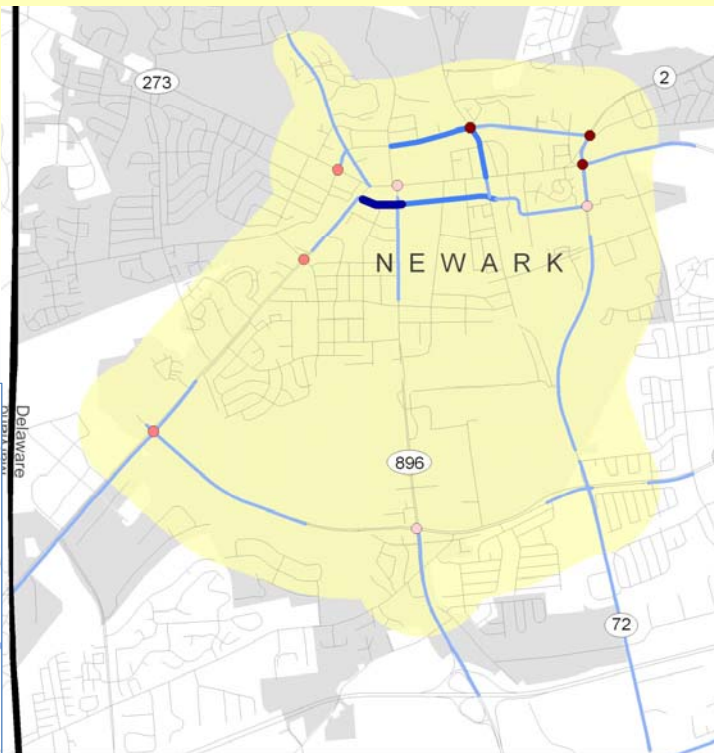
WILMAPCO Congestion Management System

Roadway Congestion

- Significant
- Moderate
- Minor
- Uncongested

Intersection Congestion

- Significant
- Moderate
- Minor



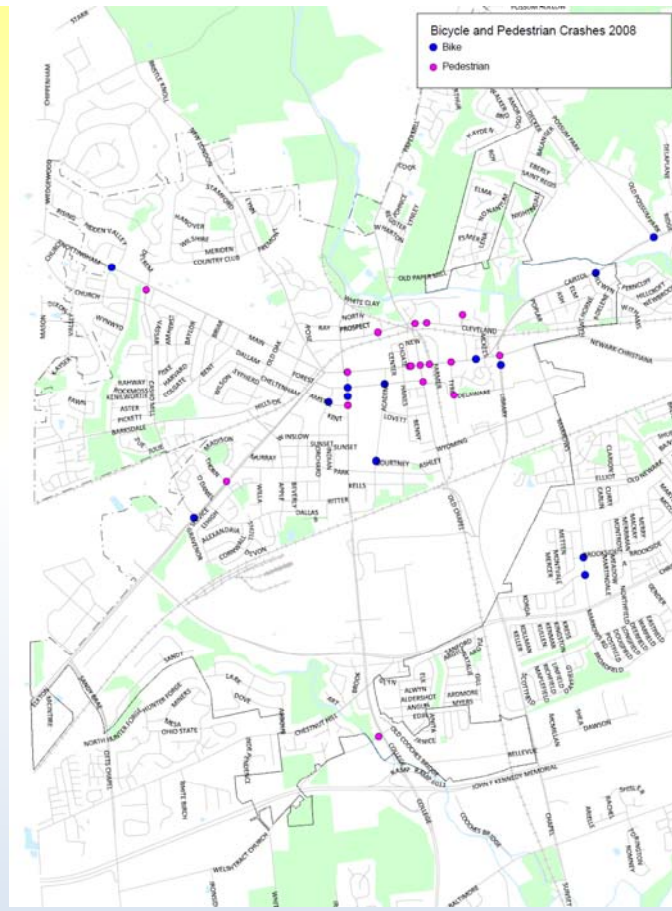
Safety

- 2008 crashes



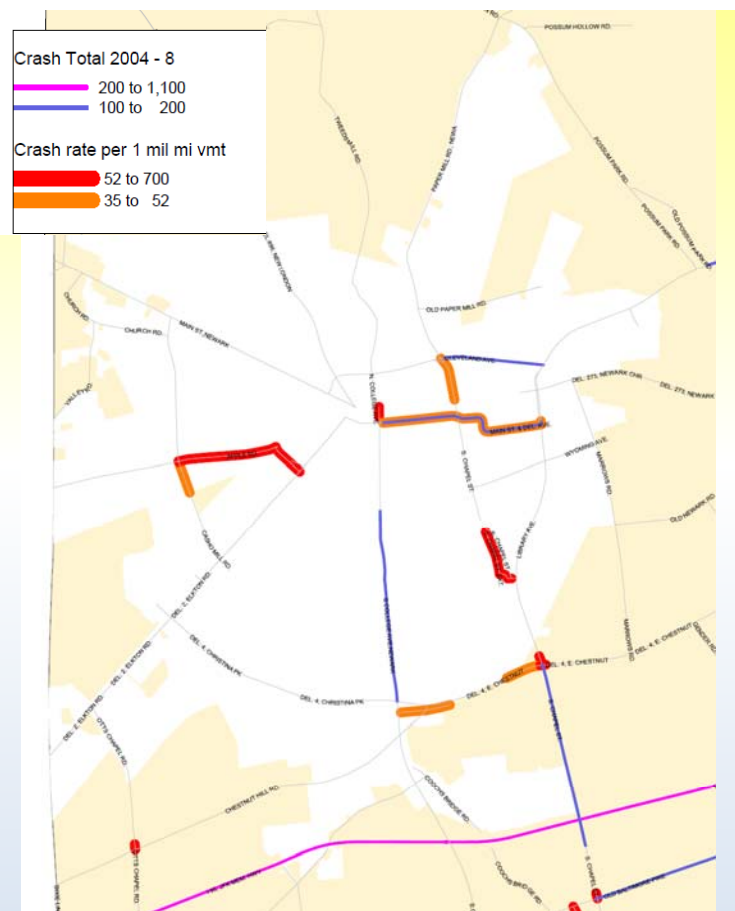
Safety

- 2008 bike and pedestrian crashes



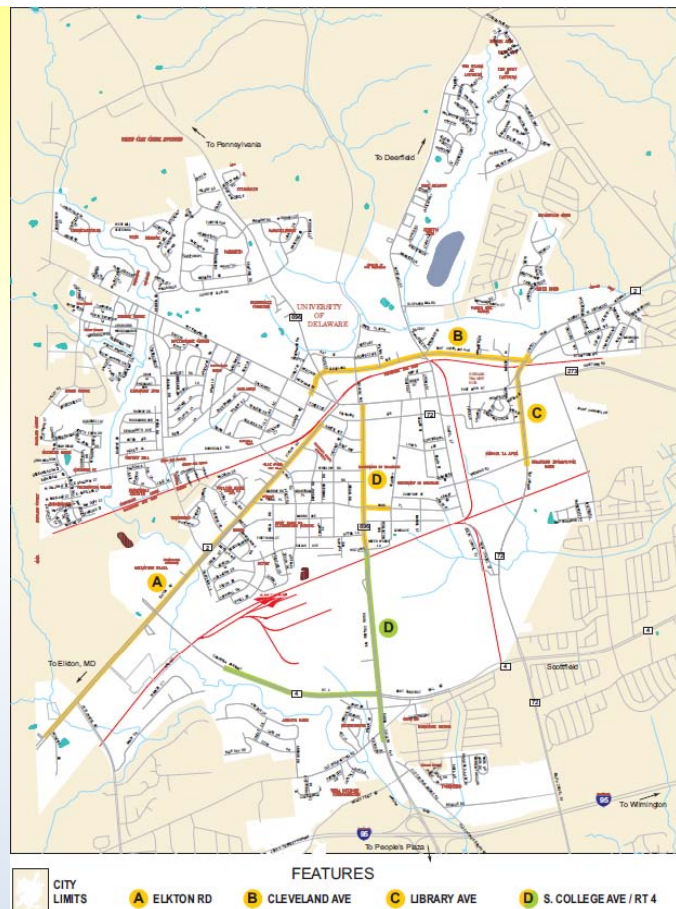
Safety

- 2004-2008 crash rate and totals



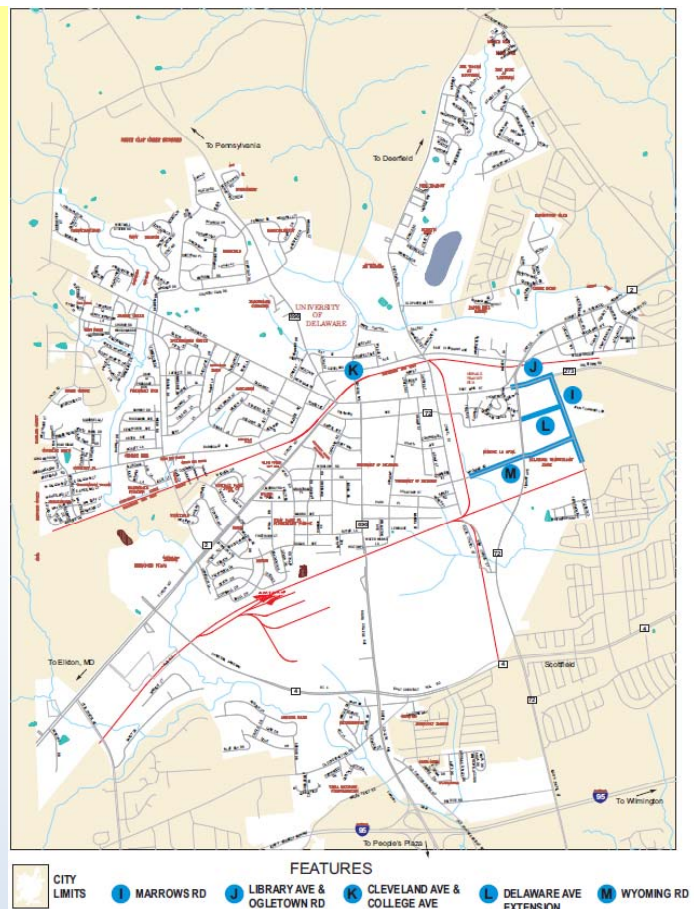
Signal Improvements

- Synchro model of existing roadway performance vs. optimized signals
- Added sensors to adapt to class change times, events, etc.



Explore capacity enhancements

- Wyoming Rd. "gateway"
- Delaware Ave. extension
- Marrows Road
- Intersection challenges
 - N. Chapel / Cleveland
 - Library/Main/Wyoming
 - Cleveland/N. College



Wyoming Road



Delaware Avenue Extension



Cleveland Avenue Intersections

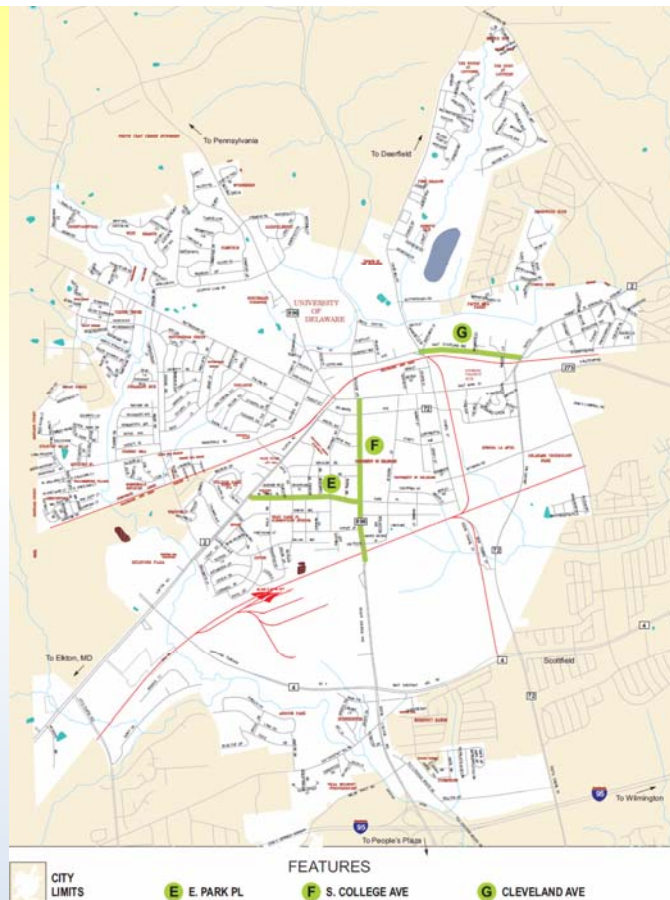


Turn lanes – Ogletown Rd



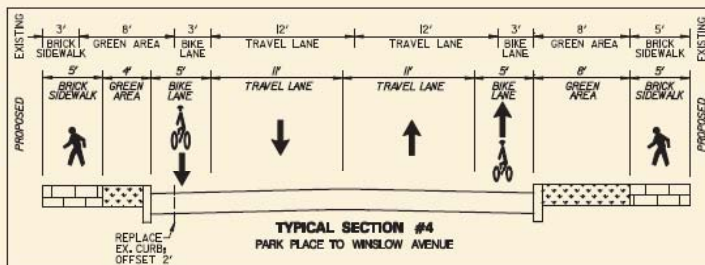
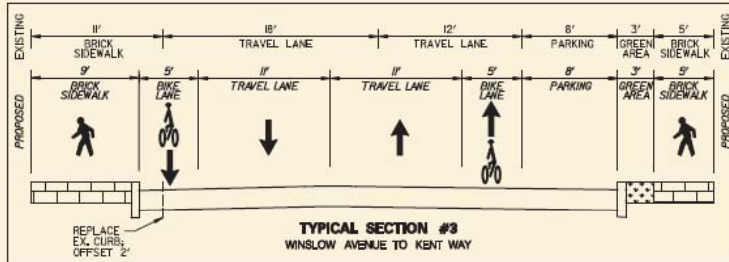
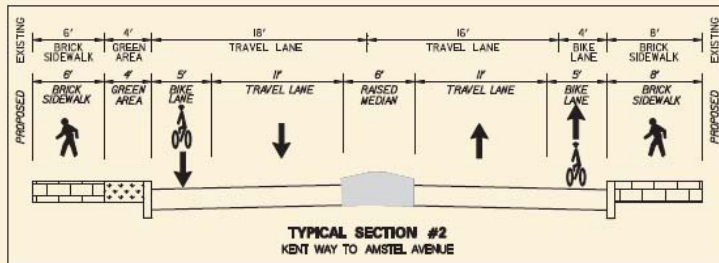
Complete the Streets

- West Park Place
- S. College Ave
- Cleveland Ave



West Park Place

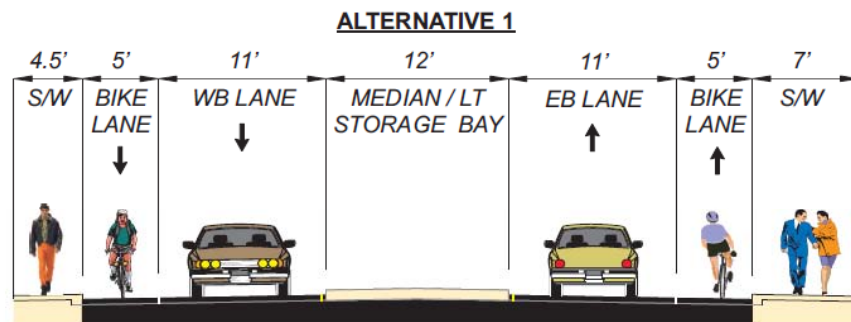
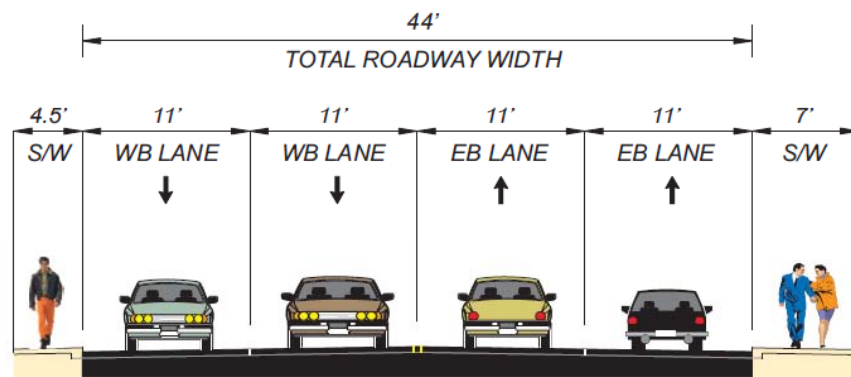




Cleveland Avenue



Cleveland Avenue



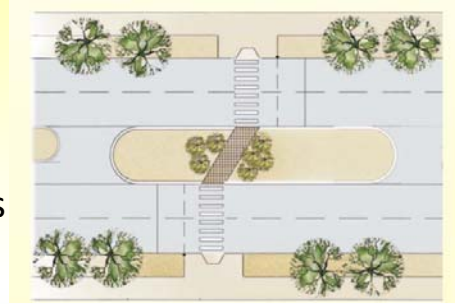
Issue: Walkability

- 2009 survey—residents value walkable community
- 18% of residents walk to work
 - 2006-2008 American Community Survey 3-Year Estimates
- Many sidewalks and pathways—but lack of street grid requires mid-block crosswalks



Mid-block crosswalks

- Mid-block refuge islands
 - Traffic calming
 - Increase ped crossing opportunities
 - Planned w/ Elkton Rd.
 - Future:
 - Park Place, S. College
 - Jaywalking issue: Newark library-College Square



HAWK signals

- **H**igh-intensity
Activated
Cross**W**alk
 - Push-button
 - Dark when not in use
- Possible locations:
 - Delaware Ave
 - S. College
 - Elkton Road



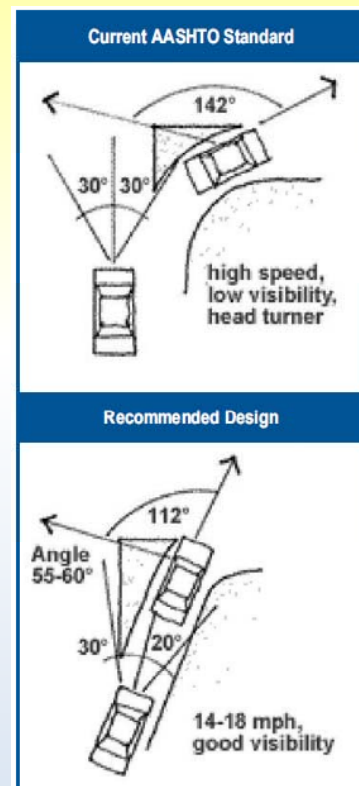
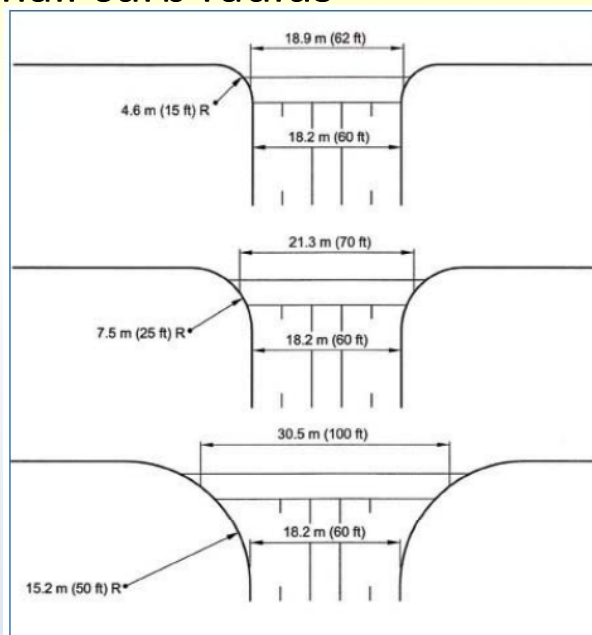
Citywide Pedestrian Improvements

- Crosswalk maintenance plan
- Countdown pedestrian signals
- Design for all: ADA design, safe routes to school, etc.
- Minimize crossing distance



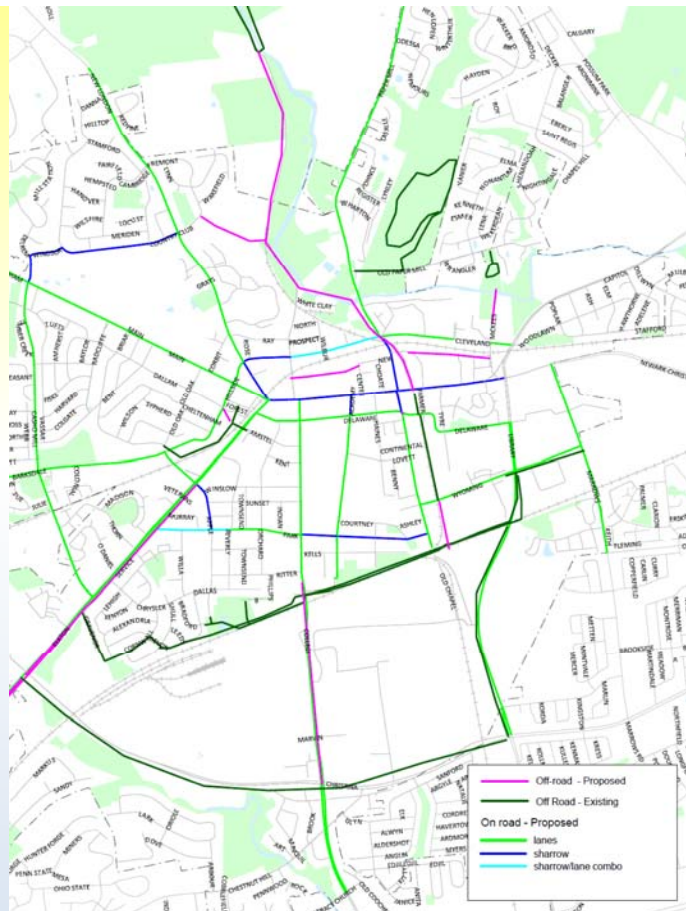
Intersections for Pedestrian Safety

- Small curb radius

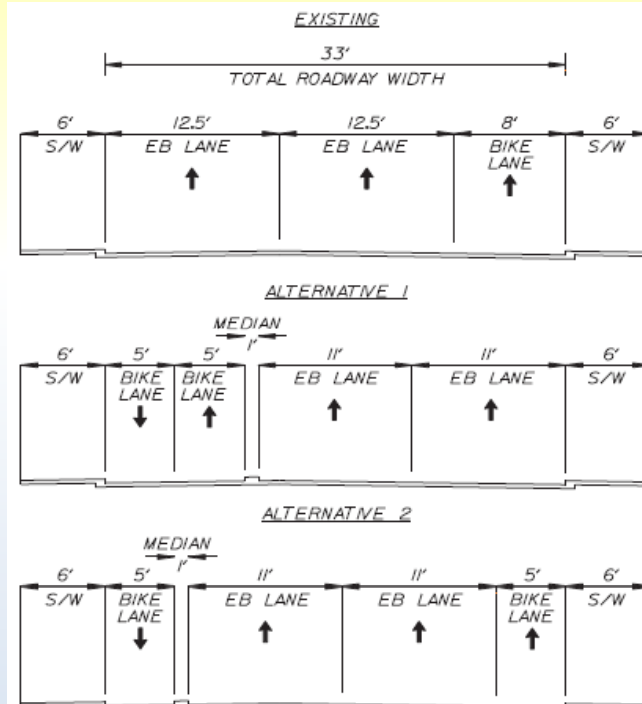


Issue: Bicycling

- Bicycle-Friendly Community award from League of American Bicyclists
- Active Newark Bicycle Committee



Delaware Avenue



Bicycle Innovations: Bike Box



Bicycle Innovations: Sharrows



Citywide Bicycle Improvements

- Bicycle striping maintenance plan
- Work with Bicycle Committee to develop on-road marking priorities
- Bicycle signal detection improvements
- Retrofit striping as part of routine paving
- Add bicycle parking downtown



Issue: Parking

- Current parking shortages: perception vs. reality
 - 85% occupancy desirable
- Supply to accommodate planned levels of mixed-use economic development
- UD plans to reduce parking in campus center will put added demands on city parking



Morepark

- Modular, prefab parking
- Adds second level above existing surface lots



Source: www.morepark.com

Car sharing

- Membership-based automobile rental service
- Substitute for private vehicle ownership
- Makes occasional driving affordable
- Providing an incentive to minimize driving
- Expanded zip-car program recommended
 - Each zip-car can reduce demand for 15-20 vehicles



Issue: Transit

- Coordination between DART, Unicity, Trolley
- Underperforming ridership

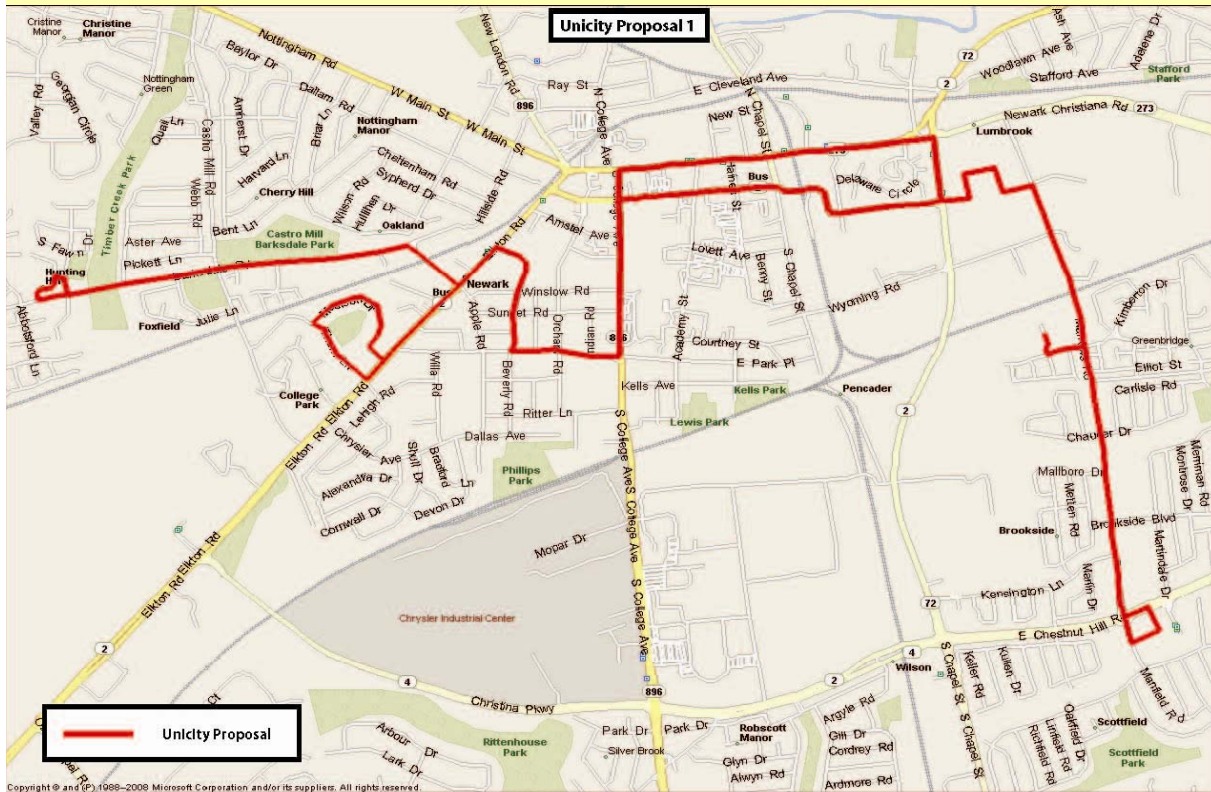


Citywide Transit Improvements

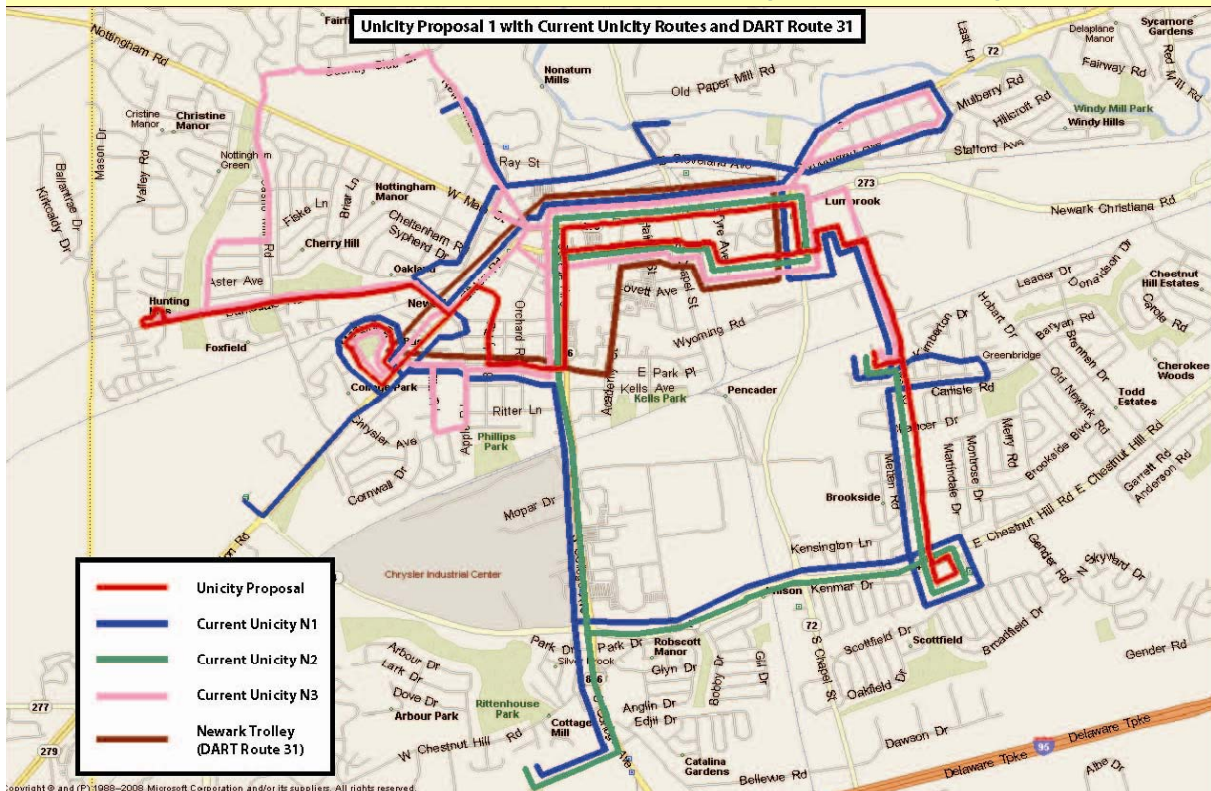
- Expand rider info/amenities/marketing
- Single area transit map/schedule
- Explore options to increase University use of DART
- Maximize Transit Hub
- Transit signal priority pilot project



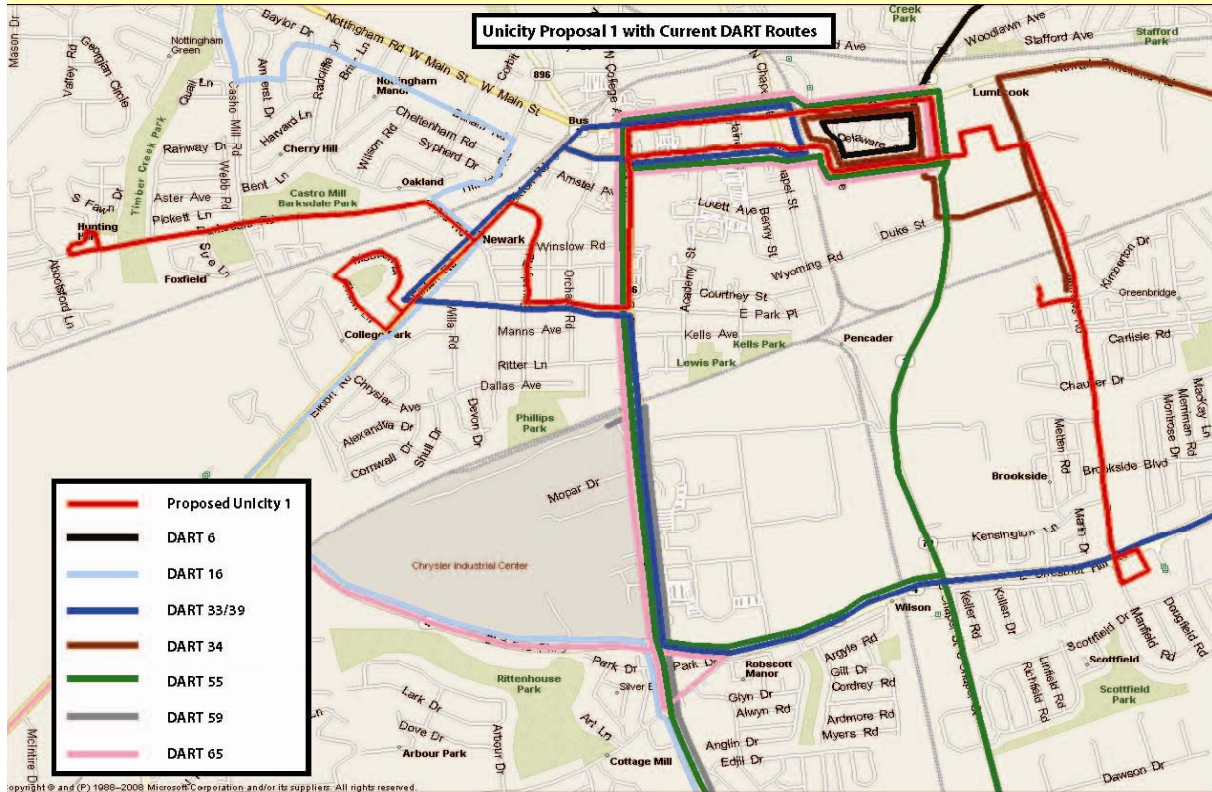
Consolidate UniCity/Trolley



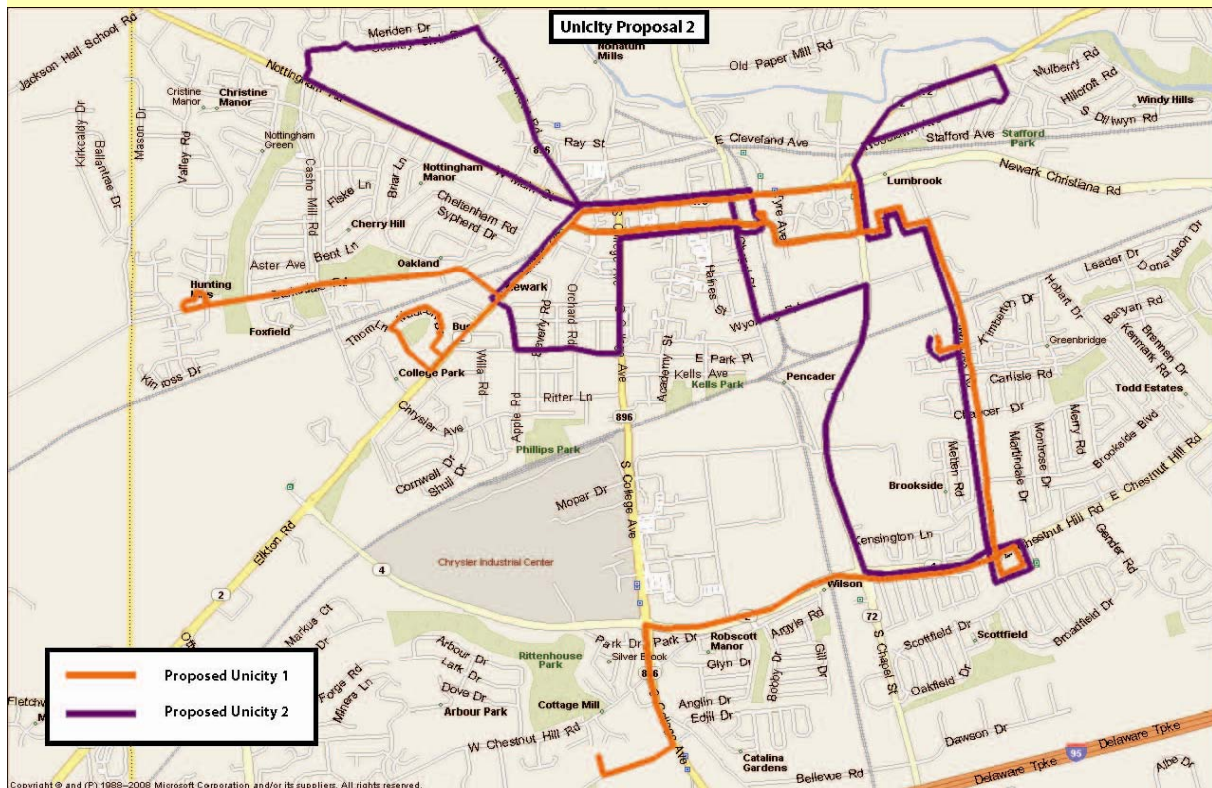
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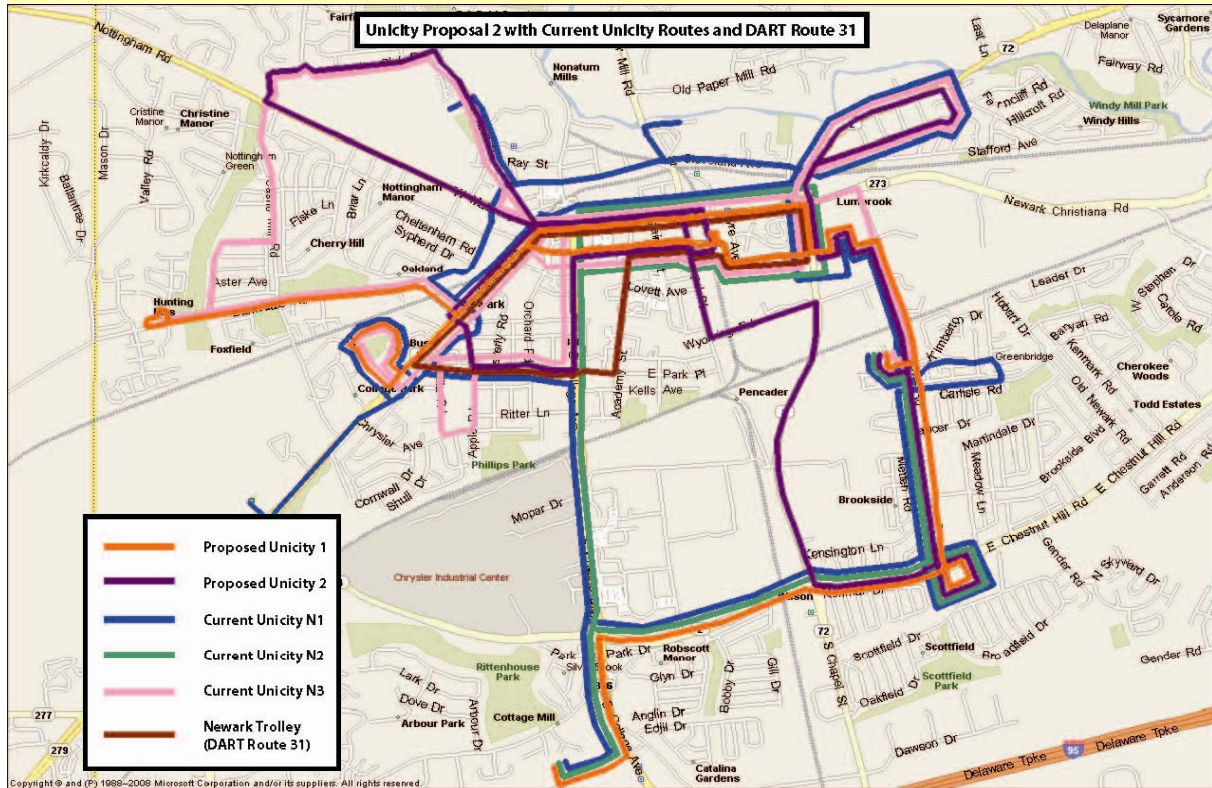
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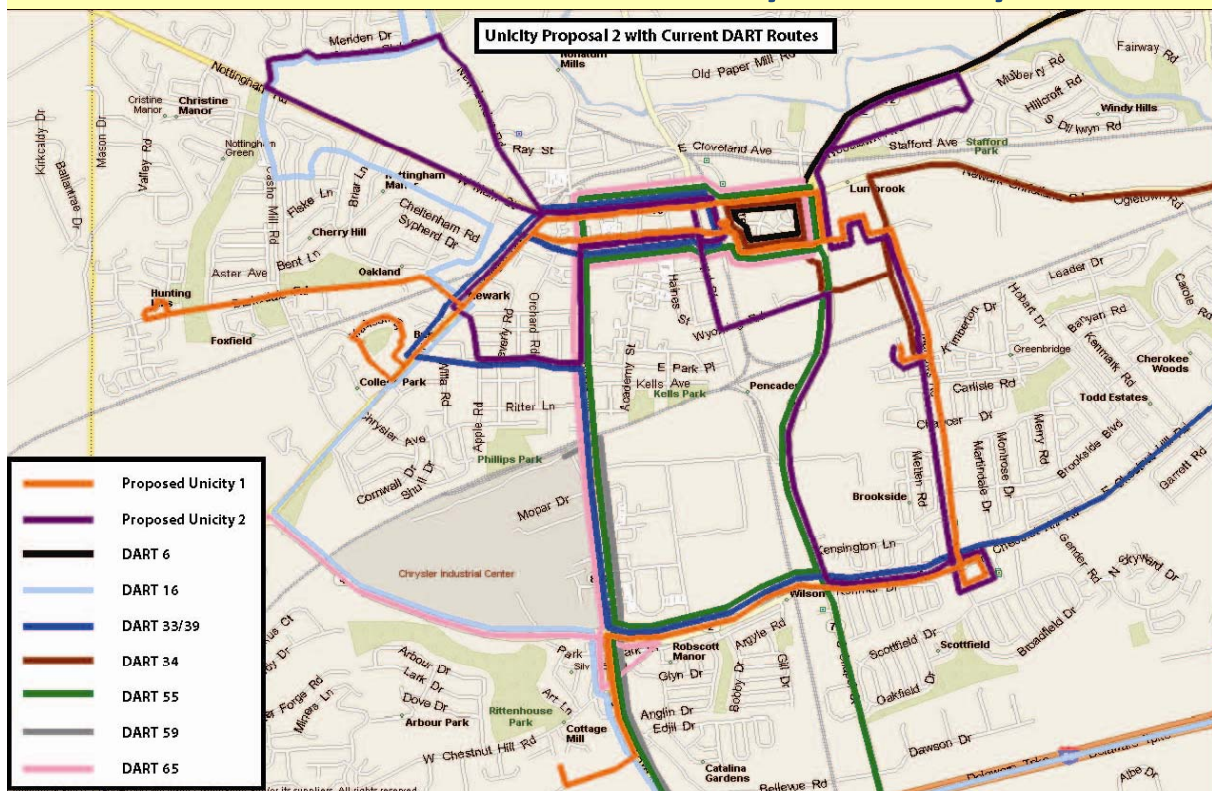
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Questions and Comments

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WELCOME

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