



United City of Yorkville

County Seat of Kendall County

800 Game Farm Road

Yorkville, Illinois, 60560

Telephone: 630-553-4350

Comprehensive Plan Citizen Advisory Committee

AGENDA

Infrastructure Meeting

Wednesday January 23, 2008

Yorkville Public Library

902 Game Farm Road

Meeting Called to Order: 5:30 p.m.

Roll Call:

New Business:

1. Welcome (Anne Lucietto, Chair of Yorkville Plan Commission)
2. United City of Yorkville Transportation and Water Infrastructure (Jeff Freeman, EEI – 20 minutes)
3. Questions/Comments (5-10 minutes)
4. Comments from Yorkville-Bristol Sanitary District (Deuchler Environmental, Inc. – 20 minutes)
5. Questions/Comments (5-10 minutes)
6. Break (5 minutes)
7. Meeting Tasks (Citizen Advisory Committee Discussion Groups)
 - A. Goals and Objectives (45 minutes)
 - B. Discussion Groups report back to Citizen Advisory Committee (15 minutes)
8. Questions/Comments
9. Pickup
 - A. Community Facilities Background Materials Handout
 - B. DRAFT Natural Resource Goals, Objectives, and Action Plans
10. Adjourn

NEXT MEETING:

Community Facilities Discussion

Thursday February 21, 2008

5:30 – 7:30 PM

Yorkville Public Library

902 Game Farm Road

Attachments:

1. Kendall County Beacon: "On the Road to Reality: Revised plans for the Prairie Parkway could get Construction underway as early as 2009" November 29, 2007
2. Press Release: City of Naperville, IL: "Citywide High-Speed Wireless Agreement Approved"
3. Excerpt: *Lease Agreement between United City of Yorkville and Prime Directive Quick Link*
4. Planning Commissioners Journal, "Integrating Land Use and Transportation" Fall 2000



Naperville

For Immediate Release
Thursday, July 20, 2006
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For more information contact:
Gary Karafiat, *Community Relations Manager*
at (630) 420-6034
Carolyn Hamilton, *Community Relations Specialist*
at (630) 305-5341

Citywide High-Speed Wireless Agreement Approved

NAPERVILLE, ILLINOIS- The Naperville City Council on Tuesday voted to approve a five-year agreement that would enable California-based MetroFi to provide WiFi – a product that delivers high-speed wireless Internet access – to the entire city at no cost to the city or Naperville residents.

Over the last several years, the City of Naperville has been evaluating the concept of providing or contracting for high-speed wireless Internet service in designated areas of the city, including the downtown and the 95th Street Corridor. In addition, city staff has worked with the Naperville Development Partnership (NDP) to evaluate the pros and cons of various service options. Recognizing the importance, the Naperville City Council formalized its priority to providing residents and businesses with this leading technology by adopting it as one of its Strategic Initiatives for Fiscal Year 2006-2007.

“We know that more than 90 percent of our residents have access to the Internet at home or at work,” said Information Technology Director Donald Carlsen. “Once this product is implemented, residents and visitors alike will be able to utilize this emerging technology throughout the city at absolutely zero cost.”

To support the wireless network, transmitters will be installed on street lights throughout the city. The transmitters are 18 inches high and 12 inches wide, and will be mounted to the mast arm of about 500 to 600 of the city’s 5,000 street light poles. At this time, the city plans to work with MetroFi to establish a reasonable timeline for when the service will be available throughout the city. MetroFi also plans to implement a pilot program in the downtown in the near future. It is expected that this service will be available citywide within 18 months.

“We are excited to get started on the downtown pilot program,” added Carlsen. “It should provide us with some insight as to how residents will adapt to the technology and might even allow us to begin to brainstorm on how the city might utilize the network down the road to streamline several municipal functions.”

MetroFi has built similar wireless networks in a number of California communities, including Cupertino, Santa Clara and Sunnyvale. The company has also been contracted to deliver the service to Portland, Oregon; and Aurora, Illinois.

Editor’s Note: For more information, please contact City of Naperville Information Technology Director Donald Carlsen at (630) 420-6050.

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LEASE AGREEMENT

THIS LEASE AGREEMENT entered into as of this 10th day of October, 2006 by and between the UNITED CITY OF YORKVILLE ("Landlord") and Prime Directive Quick Link, Inc. ("Tenant") located at P.O. Box 157, "North Aurora, Illinois 60542

BACKGROUND

A. Landlord is the owner in fee simple of a parcel of land located in the UNITED CITY OF YORKVILLE, Kendall County, Illinois legally described on the attached Exhibits "A" (the "Premises"), on which municipal water towers (the "Water Tower") are located. The Water Towers are located on the Premises at 4600 N Bridge St, 610 Tower Lane, 3299 Lehman Crossing, 2224 Tremont, and Rt. 71, generally west of the of the Wildwood subdivisions (see Exhibit "A" for full legal description).

B. Tenant desires to lease space on the top of the Water Tower described below for the installation and operation of certain Antenna facilities, which may include Antenna, connecting cables and appurtenances (collectively, "Antenna Facilities") for use in connection with its communications business.

C. Accordingly, the parties are entering into this Lease on the terms and conditions set forth below.

AGREEMENT In consideration of their mutual covenants, the parties agree as follows:

1. Leased Premises. Landlord leases to Tenant and Tenant leases from Landlord a portion of the Premises, consisting of space on the ground (the "Land") for a Base Station and on the top ("Dome") of the Water Tower, for the Tenant's Antenna Facilities. Tenant intends to locate its Antenna Facilities as described more fully on the attached Exhibit "B". Tenant may not add additional equipment and/or Antenna facilities from that shown on Exhibit "B" without the prior written approval of the Landlord, except that upon Landlord's prior written consent which shall not unreasonably be withheld, conditioned, or delayed, Tenant shall have the right to: (a) make additions, alternations or improvements to Tenant's equipment housed within the Base Station; and (b) replace any or all of its equipment installed on or about the Dome with replacement equipment of a substantially similar kind, which is reinstalled in substantially the same place and position, and is of substantially the same size and weight as the replaced equipment.

2. Term. This Lease has been executed this ___ day of _____, 2006 (hereinafter *referred* to as "The Execution Date", but Tenant shall immediately be obligated within 60 days to commence payment of *the full* rental amount due hereunder; and the term of this Lease shall end on midnight on the last day of the month in which the forth (4th) anniversary of the Execution Date occurs (hereinafter referred to as "The Initial Term"). Tenant may extend the Lease, on the same terms, for three (3) "additional terms" of four (4) years each, (hereinafter "Extended Terms") automatically, unless Tenant gives Landlord written notice within ninety (90) days of the end of the Initial Term or any Extended Terms stating Tenant will not extend further.

3. Rent.

a. Tenant shall pay Landlord as monthly rent for the Premises the sum of \$100.00 Dollars ("Base Rent") per water tower utilized by Tenant for the term of the Lease. Provided, however, that the Landlord in its sole and absolute discretion may accept the services described in Exhibit G (the Services) from the Tenant in lieu of base rent. If the landlord determines to accept the services the Tenant shall provide such services to the Landlord without any cost or expense to the Landlord. The

EXHIBIT G – Services

1. As a stipulation of paragraph 3a of this Lease, Tenant will provide the following services in lieu of National Wireless Internet Service Providers industry rental rates: .

a. At no cost to the Landlord, Tenant shall provide free Wi-Fi internet access to as many city parks as feasibly possible without causing undue hardship on the Tenant.

b. At no cost to the Landlord, Tenant shall provide free Wi-Fi internet access to the city owned facility known as the Beecher Center as feasibly possible without causing undue hardship on the Tenant.

c. At no cost to the Landlord, Tenant shall provide a minimum of one internet accessible camera per water tower for public access viewing as feasibly possible without causing undue hardship on the Tenant.

d. At no cost to the Landlord, Tenant shall assist the city IT manager with matters regarding the City's planned use of wireless devices.

Integrating Land Use and Transportation

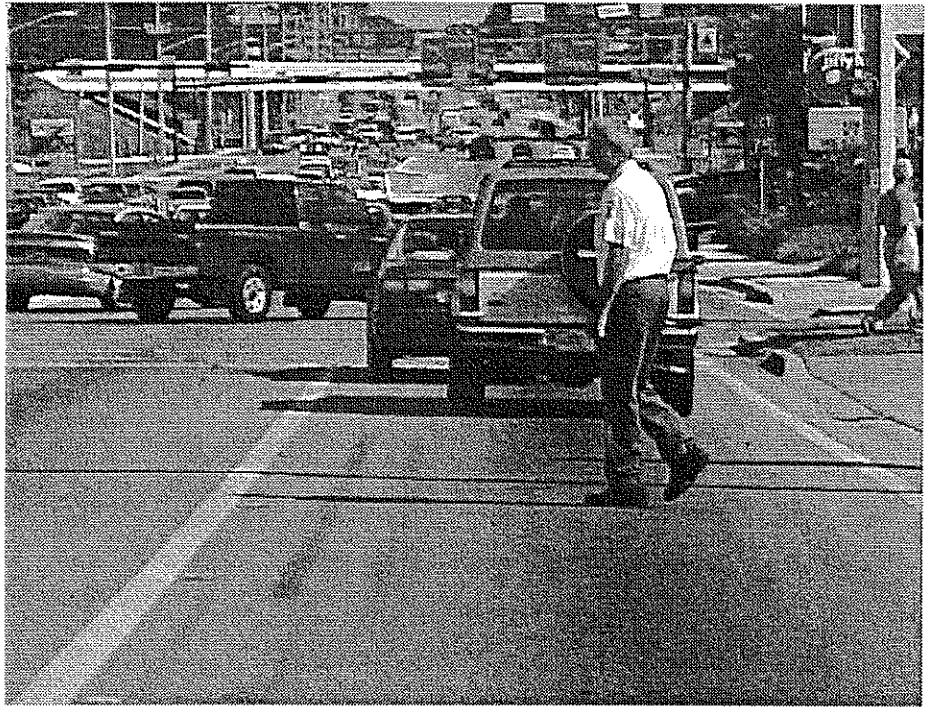
by Whit Blanton, AICP

For years the transportation profession has emphasized mobility in the development of plans, programs, and projects. This emphasis on mobility – moving people and goods conveniently and efficiently between places – has surely increased our society’s productivity and economic wealth. But it has also fostered the creation of homogeneous and inaccessible places, striking in their lack of character, comfort, and variety.

We tend to deal with mobility and livability as separate, often competing, concepts. The tools of the transportation planner are geared toward measuring and providing mobility. While we have institutionalized measures of traffic congestion (volume-to-capacity, average travel speed, and vehicle hours of delay), we have too often ignored measures of livability and community character – those factors that determine the quality of the places we are striving to reach so quickly. This article looks at the connection between land use and transportation – and how one metropolitan area, Gainesville, Florida, has begun to rethink its approach to transportation planning.

If All Your Tools are Hammers ...

It has been said that if all your tools are hammers, then everything begins to look like a nail. Using traditional transportation measures based on travel speed and delay, urban area transportation plans and corridor studies emphasize building new or wider roads, or increasing the efficiency (read: increasing speed) of existing roads. They are Visine plans (not Vision plans) – as they seek to “get the red out” (red meaning severe



This view of State Route 26 near the I-75 intersection in Gainesville represents the familiar kind of road-way development planners are increasingly seeking to avoid.

Mobility: The door-to-door experience of traveling throughout an area or corridor, measured in terms of travel time, comfort, convenience, safety, and cost. Measures the ease with which individuals can move about on various transportation modes.

Accessibility: The ease with which desired activities can be reached from any particular location by physical connections (roads, sidewalks, buses, etc.), travel options, and development proximity. The more activities available within a given travel time, the better the accessibility. Thus,

accessibility is a function of both land-use patterns and the transportation system that serves them.

congestion on most transportation planning maps) by using measures of speed to determine needs and project priorities. Such plans say nothing about the desired growth pattern or community character and only incidentally consider impacts

on land use and the quality of the developed environment. They rarely consider how transportation can support land use objectives to create highly accessible places with a true choice of travel options.

Too often, quality of life or “livability” concerns are only considered as a reactionary response when neighborhood groups protest a proposed transportation project. Until our planning processes for land use and transportation are more closely integrated, we can expect more of the same.

PUTTING LAND USE AND TRANSPORTATION IN BALANCE

A growing number of communities are attempting to fundamentally change the process so that land use and transportation are better linked, bringing the concepts of mobility and livable communities into a single focus. With efforts to

Integrating Land Use & Transportation...

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create pedestrian- and transit-friendly streets, redevelop old shopping malls into mixed-use walkable town centers, and encourage in-fill residential development, communities of all sizes are beginning to consider transportation and land use as part of an interrelated system in which mobility and livability are in balance.

The importance of integrating land use and transportation cannot be overstated. Thinking more strategically about land use-transportation relationships can lead to: reduced vehicle miles of travel; improvements in air quality; increased levels of walking, bicycling and transit use; economic and community revitalization; and the preservation of neighborhood character – not to mention a more visually appealing landscape.

Transportation's role in creating livable communities requires balancing mobility – the movement between places – and accessibility – the ease with which desired activities can be reached from any particular location. Good mobility provides the economic impetus necessary for growth and investment, such as safe and convenient transportation facilities or services linking residential and employment centers. Highly accessible places offer a diversity of development, with activities in close proximity and connected with multiple travel paths.

We want good mobility and accessi-

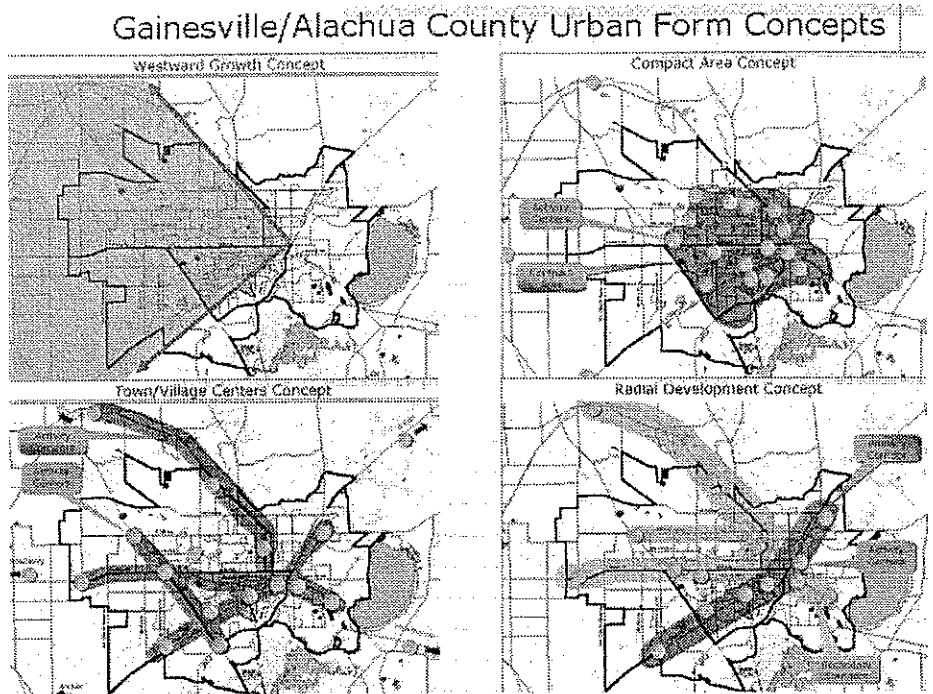


Figure 1. Four land use scenarios were developed and evaluated for the Gainesville MTPO's 2020 Transportation Plan. This picture illustrates the concepts tested as part of selecting a preferred land use and transportation vision for the community.

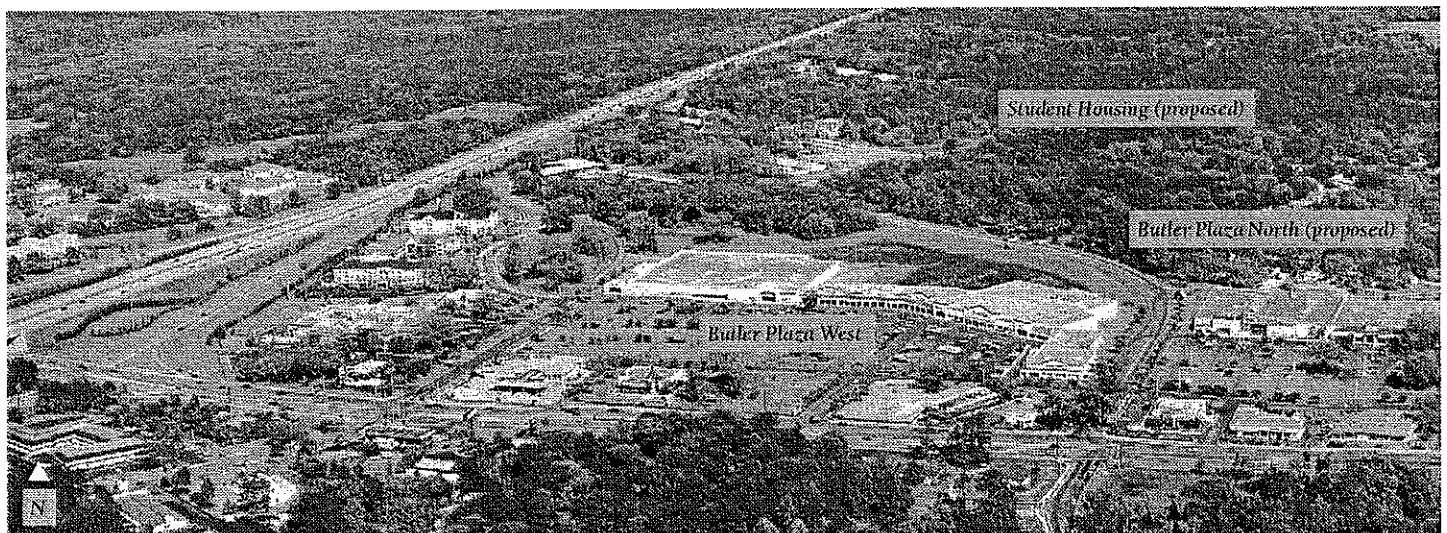
bility to go together. For this to happen, communities need to carefully consider the intended function and purpose of their roadways, and the impacts they will have. This is no small task given the wide range of groups that have an interest in the transportation network.

THINKING STRATEGICALLY IN GAINESVILLE, FLORIDA

When the Metropolitan Transportation Planning Organization (MTPO) for the Gainesville, Florida, Urbanized Area

gathered in 1998 to set annual funding priorities, it faced a dilemma: widen SW 20th Avenue, a congested roadway connecting a dense concentration of off-campus student housing to the University of Florida (as called for in the existing long range plan), or address the congestion by promoting alternatives to the automobile and building an interconnected system of narrower roads to help create an environment more supportive of walking and bicycling.

To help resolve the question, the



Town/Village Centers Concept - Transportation Projects

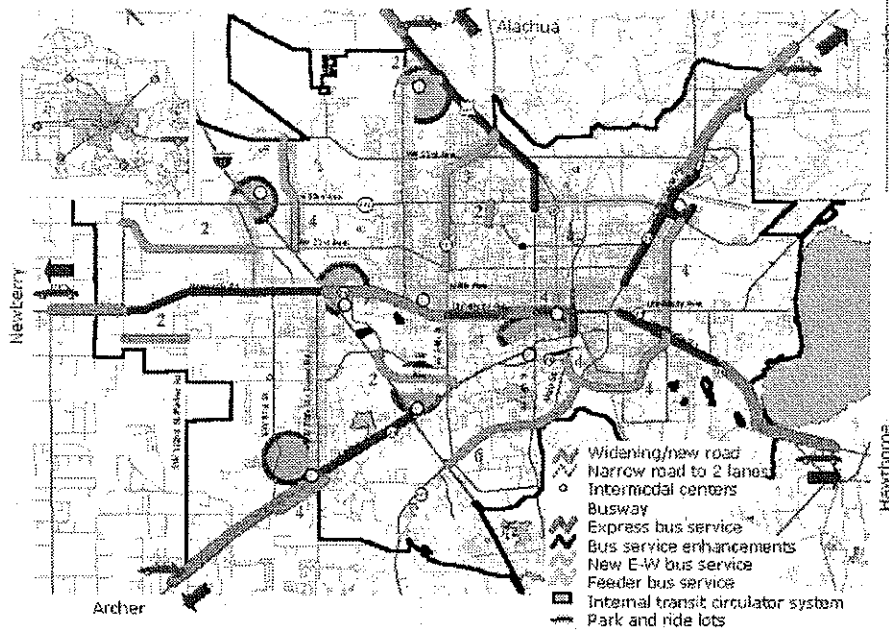


Figure 2. Each land use alternative contained a unique set of transportation projects designed to support the intended future land development objectives. The transportation system that would support the Town/Village Centers concept is presented here.

MTPO sponsored a community planning charrette. The charrette generated a vision centered on the concept of creating a walkable student village. To implement this vision, charrette participants recommended keeping SW 20th Avenue at two through lanes, building bicycle paths and wider sidewalks, funding increased bus service, interconnecting a series of smaller streets, and installing roundabouts (a modern, smaller-scale variant of the traffic circle) at key intersections. Stronger links between the res-

idential areas and a large (approximately one million square foot) nearby commercial activity center were also recommended. *Facility Expectations & Guidelines.* The MTPO commissioners concurred with the charrette's recommendations.

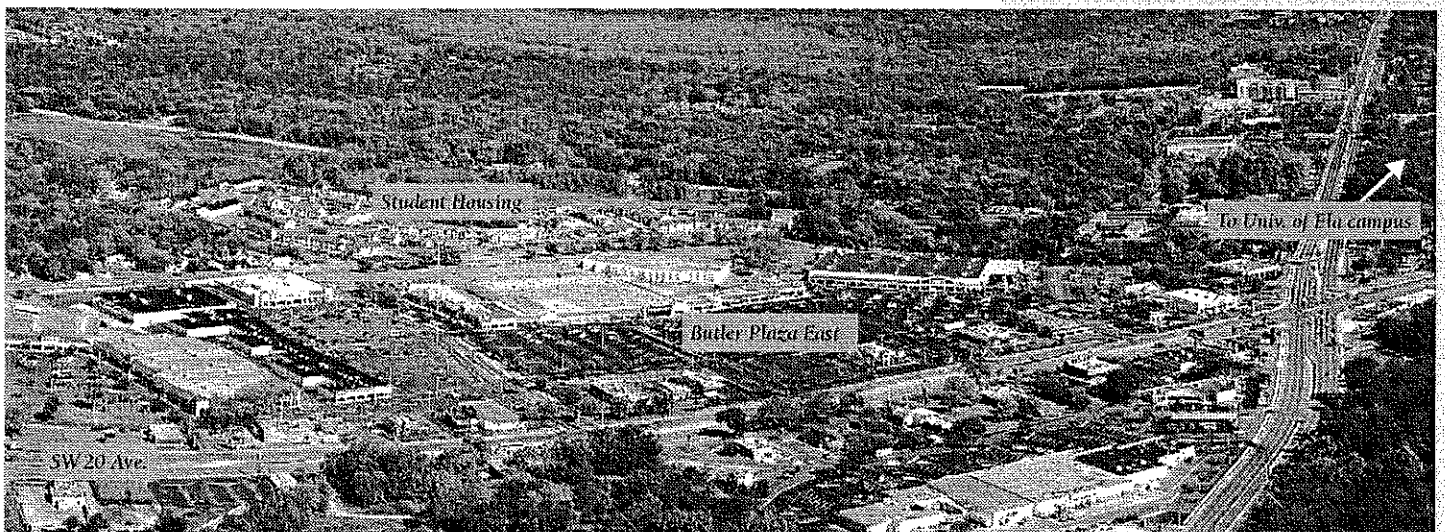
In a rapidly growing community with an urban area population of 190,000 and the state's largest university, MTPO commissioners realized SW 20th Avenue was only one of many controversial transportation projects they

Facility Expectations & Guidelines

Gainesville's SW 20th Avenue charrette established facility expectations centered on the concept of a "walkable student village." These facility expectations include: reduced traffic speeds; wide sidewalks buffered from the roadway with shade trees; bike lanes; and buildings oriented toward the street for more convenient access to bus routes.

The next step will involve developing operational and design guidelines to support these expectations. "Enhanced" roadway cross-sections will be prepared to convey the relationship of land uses to the roadway. For example, the cross-sections will show the setback and height of adjacent buildings, and indicate the type of pedestrian and transit treatments expected, as well as landscaping and buffers. Good illustrations will be important in conveying to the public what the guidelines call for, lessening any ambiguity.

The SW 20th Avenue area includes a densely developed off-campus student housing area located just north of the sprawling Butler Plaza shopping complex in Southwest Gainesville. Concerns about traffic congestion in the area originally led to calls for major roadway expansion projects until the charrette focused on a series of interconnected collector roads and roundabouts at intersections to calm traffic as part of a "walkable student village" vision.





Performance Measures

One of the most critical steps of land use-transportation integration is the establishment of performance measures to guide the selection of strategies. As long as transportation decisions are primarily based on comparisons of traffic volume to road capacity, or on measures of travel speed along roads and delay at intersections, transportation and land use will always be addressed separately and in relative isolation.

For example, many communities require adequate infrastructure in place concurrent with development approval. The problem is not with this requirement, but rather in how it is measured and applied. Most of these communities define adequate infrastructure as available roadway capacity, often in terms of an acceptable level of service. This type of measurement tends to promote roadway-oriented solutions, such as adding turn lanes, which may not be supportive of a desire to create a more pedestrian- and transit-friendly environment.

The solution is to develop measures that effectively address progress toward, or away from, the overall vision for an area. If a corridor is to emphasize mobility, then perhaps roadway level of service and measures based on speed are appropriate. However, if accessibility and livability are important (as they often will be) different measures must be used.

One example is the growing interest in measures of "bicycle and pedestrian level of service" – quantifying the walking and bicycling experience in much the same way as the driving experience is categorized in the traditional roadway level of service. Of course, quite different variables are taken into account, variables such as the width between the sidewalk and roadway; the presence of an on- or off-street bicycle path or lane; the presence and width of a sidewalk; and posted traffic speed and average daily traffic volume on the adjacent roadway. [Note: for additional information on how Bicycle/Pedestrian Level of Service is being applied in Gainesville and other areas, contact Bruce Landis, of Sprinkle Consulting, Inc., at 813-949-7449, or blandis@scworld.net].

Integrating Land Use & Transportation...

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would face. Emboldened by the outcome of the SW 20th Avenue process, and recognizing the need to update the metropolitan area's long-range transportation plan, the commissioners decided to develop a strategic vision plan for transportation and land use. This planning effort would examine alternative land use patterns and housing options, and consider transportation as a strategy for a new kind of investment in community-building, particularly in economically disadvantaged areas of the county.

Work on the "Strategic Vision Long Range Transportation Plan" for the Gainesville MTPo is nearing completion. Unlike traditional long-range transportation plans, in which a fixed forecast of population and employment is developed and alternative transportation system improvements are evaluated, the heart of the new plan is the development and evaluation of urban form alternatives. Each of these alternative development patterns, in order to be implemented, would require a different set of transportation investments.

Before taking a look at the urban form alternatives, however, let me back up for a moment to touch on the start of the long range planning study. In public workshops held throughout the county, participants were asked to identify the top five issues or problems facing the region's transportation system. Interestingly, among all the workshops and responses from the public traffic congestion was a relatively minor complaint. "The worry many people have," one workshop participant explained, "is that Alachua County will, if it continues on its pattern of growth, one day resemble sprawling places like Broward County or Pinellas County in South Florida – ugly, congested, polluted, and high in crime." The majority of the comments related to unsafe streets for walking and bicycling, a lack of street connectivity, infrequent or nonexistent bus service, and complaints about suburban sprawl limiting travel choices.

When you think about it, these are fundamentally land use problems. Addressing them requires a concerted land use-transportation strategy – not the traditional method of developing a plan to widen roads because a 20-year traffic projection says the road will become congested.

THE URBAN FORM ALTERNATIVES

The urban form alternatives being evaluated in Gainesville represent different approaches to development. Each is supported by a unique mix of transportation strategies, with differing levels and characteristics of transit service, bicycle and pedestrian pathways, and roadway projects. Figure 1 p.54 shows the four urban alternatives being considered. To briefly summarize each of the four:

1. *Westward Growth Concept* – Would support the future growth and development of Gainesville and Alachua County through a regional transportation system that improves mobility and connectivity throughout Alachua County, reduces automobile congestion, and maintains a highway-oriented transportation network within a primarily low density, single-family residential environment.

2. *Compact Area Concept* – Would create a high quality walking, bicycling, and transit-supportive environment with a focus on reinvestment in the traditional core area of Gainesville and the towns of Alachua County. Reflects a greater mix of land uses and increased density of development. Proposed transportation projects would include reducing the number of travel lanes on certain roads to create a more pedestrian-oriented environment, enhancing bus service, developing on- and off-road trails, and constructing a dedicated lane for transit vehicles.

3. *Town/Village Centers Concept* – Would focus the region's transportation system on connecting a limited number of intensively developed, mixed use centers of activity located throughout the County and on maintaining the character of existing towns and neighborhood



Sketches were prepared from photographs of existing places in the community to illustrate how the land use concepts might change the face of development in the Gainesville area. This shows a pedestrian-oriented mixed-use center adjacent to the University of Florida and a single-family residential neighborhood.

villages. Projects would include express bus service linking the region, strategic road expansion projects, and dedicated lanes for buses – which might eventually become a passenger rail corridor. See Figure 2 p.55

4. Radial Development Concept – Would create a multi-modal transportation system serving highly developed, mixed use centers located along major linear corridors linking outlying communities with the University of Florida campus and downtown Gainesville – while preserving open space, agricultural lands, and lower-density residential areas located outside the corridors. The emphasis of transportation projects would be on high-capacity bus and rail service into the University and downtown area.

As part of the planning process, each urban form alternative was evaluated using both traditional and non-traditional methods. For example, traditional computer-based travel models were used to assess each alternative's impact on regional travel patterns and on the effectiveness of transportation system strategies. Along less traditional lines, bicycle

and pedestrian levels of service were considered, as well as regional and local accessibility, transit service quality, and the proximity of jobs to housing.

Performance Measures.

The testing of these urban form concepts will lead to the development of a preferred strategic vision, providing the framework for the region's new Strategic Vision Long Range Transportation Plan. Since the city-county Metropolitan Planning Organization is composed of all five elected Alachua County Commissioners and all five elected Gainesville City Commissioners, the resulting plan should have the strong potential to guide city and county land use policies and development regulations. In fact, Alachua County has deferred adoption of its new comprehensive plan until after the MTPO Strategic Vision Plan is completed.

SUMMING UP:

Properly integrating land use and transportation requires a clear vision and policy framework developed through active citizen participation. Communities must more broadly define the objec-

tives of the transportation system and how its performance is measured. We have to remove ourselves from the single-minded notion that transportation planning's sole focus is on how to move the maximum number of cars with the minimum delay. If this remains the focus, transportation planning and land use planning will remain disconnected – with citizens wondering why their community's development goals seem so hard to achieve. ♦

Whit Blanton, AICP, is vice president of Renaissance Planning Group, an Orlando, Florida-based policy analysis and transportation planning consulting firm which assisted the Gainesville-Alachua County MTPO with its recent planning efforts. He also serves as Chair of the American Planning Association's Transportation Planning Division. Blanton would be glad to answer any questions about the Gainesville-Alachua County project; he can be reached at: wblanton@citiesthatwork.com, or at: 407-893-8175. Updates on the progress of the Gainesville-Alachua County Transportation Plan will be posted on the PlannersWeb, www.plannersweb.com.

