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Utilizing Form-Based Codes to	
Create Sustainable Suburban	
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Growth Corridors	
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Transportation corridors often diminish	
quality of life.	
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Destroys natural resources and changes the	
character of rural areas	
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Harms The Environment By Wiping Out Natural Resources, Adding Impervious Surfaces, And Polluting **The Water System**



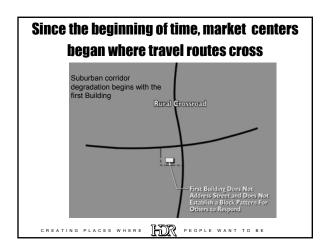
How Does Corridor Degradation Happen?

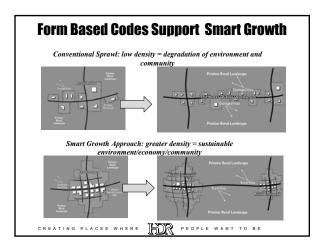


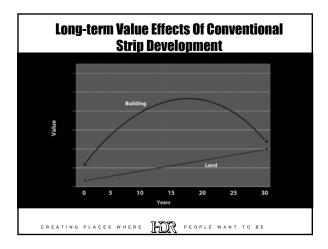
Conventional Codes Often Prevent "Smart Growth" Developments By



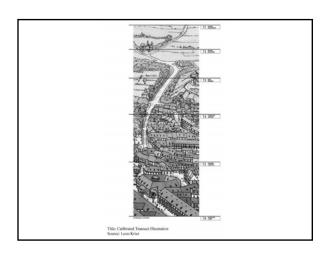
- Destroying natural assets
- Promoting auto-oriented design
- Ignoring economic realities
- Limiting nodal density
- Prohibiting mixed-uses
- Discouraging TND and New Urbanist development
- Encouraging ugly disconnected sprawl!







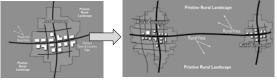
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In Practice, Consecutive Numerals of Zones Do Not Need To Be Adjacent



Form Based Codes Support a Smart Growth Approach



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Rural crossroads – T-2



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Establishing design guidelines



Infill Codes Can Ensure That, Over Time, All New Development Implements The Community's Vision Intersection of collector streets can support greater density T-3 Urban Advantage

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Intersections with collector streets support even greater density T 4

Form based codes can support smart growth

- Preserve open space, farmland, natural beauty and critical environmental areas
 - Focus development in compact nodes
 - Reconnect with environment
 - Rural multiuse trails
 - Scenic view preservation

T-1

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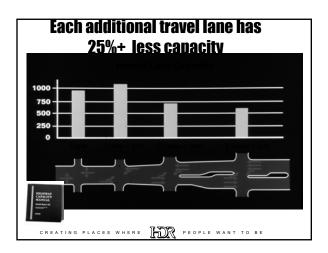
How do highway departments serve the needs of new development?

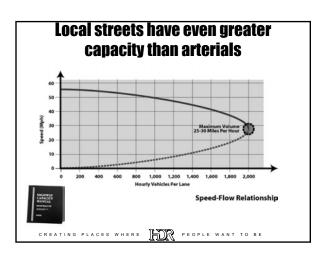


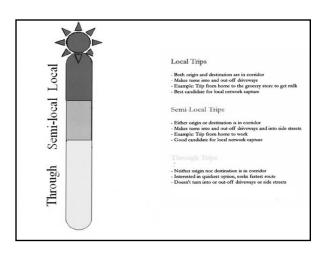
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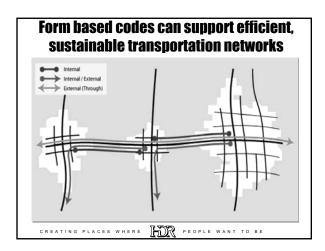


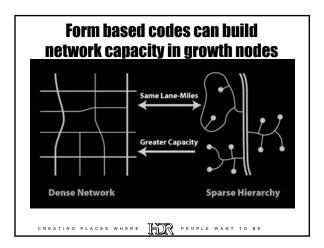
How do highway departments serve the needs of new development? "Don't make us go back in." Residents call for road widened Residents call for road widening Traffic Engineering Congestion develops Land further out become accessible Land prices rise, and farmers request reconjngs to residential and commercial Subdivisions and businesses develop and people move out to larger, cheaper homes Under political and development pressure, land is rezoned

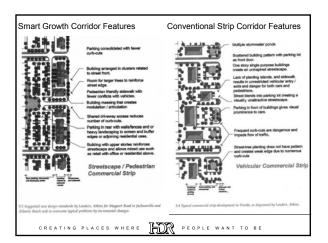


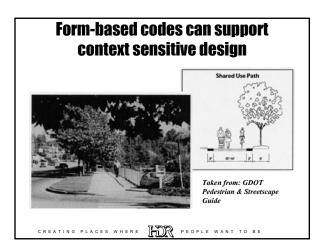


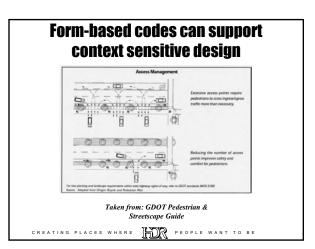


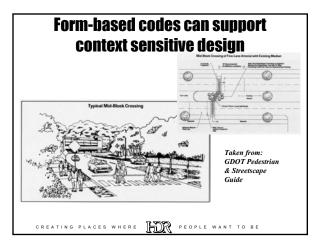


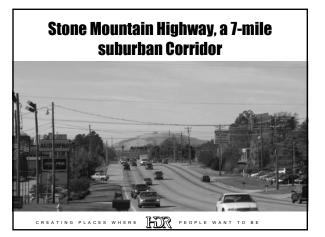


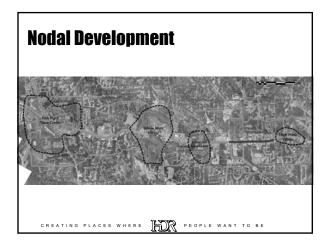


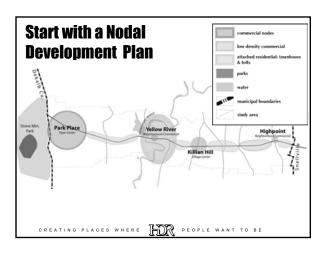


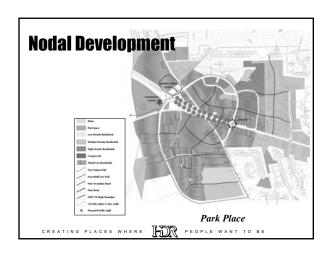






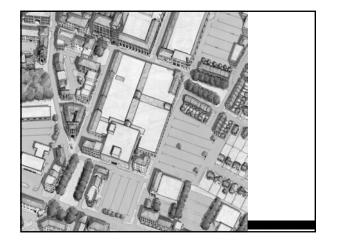


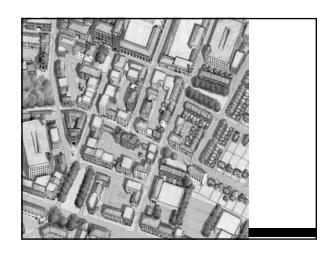


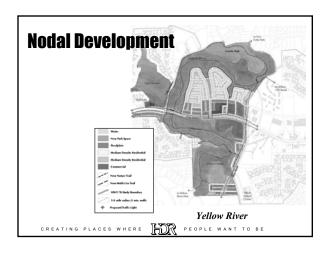




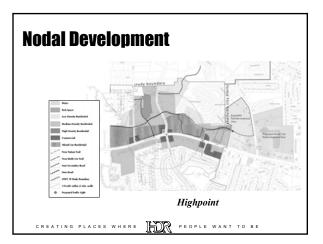


















Proposed Gwinnett Revitalization Districts Transect nodes tied to street /intersection type

	Preserve	POUP SE	Residential	Mixed-Use	Center	Center
	T1	T2	T3	T4	75	76
Permitted Uses						
Agriculture		•				
Single Family Deteched		•				
Single Family Attached						
Townhouses				-		
Accessory Unit						
Multi-Family						
Retail and Services*				-		
Offices*						
Public and Sami-Public*						•
Density						-
Gross Units/Acre	0	0.2	٥	12	24	58
Sidewalks			_			-
Total Width	nia	nia	10-15 t	15-20 8	15-20 ft	15-20 ft
Lanadcaping Zone	6/8	nla	5-8 t	5-8 ft	5-6 t	5-61
Buildings						-
Front Setback**	5/3	>100 ft	×35 ft	15-25 ft*	0-10 t	0-10%
Buildings Along Front Setback	5/8	n/a	n/a	70%	70%	70%
Rear Setback, Minimum	5/8	100 ft	35 t	10 ftbuffers	10 ft/buffers	10 fibuffet
Side Setback, Minimum	n/a	100 ft	15 8	15 ftbuffers	0 fibuffers	0 fibuffers
Height, Minimum	6/8	n/a	40	10.0	151	15 t
Height, Maximum	n/a	35 t	35 t	35 tt	52 t	120 ft
Parks and Plazas						
Lots < 10 acres	6/8	n/a	n/a	20%	20%	10%
Lots 5 to 10 scress	50	n/a	n'a	10%	10%	10%
Lots > 5 acres	5/3	n/a	n/a	5%	5%	5%
New Streets						-
Maximum Block Perimeter	nia	nia	2000 t	2,500 ft	2,500 ft	2,500 t
On-street Parking Required?						

Section 1308 C-2 General Business District (A) Retail and Service Uses. ²Includes all permitted uses defined in Section 1308 C-2 General Business District (B) Office Uses. 3Includes all permitted uses defined in Section 1308 C-2 General Business District *Retail and Service and Office uses are only permitted along arterial streets and within 600 feet of any street intersection. **Front setbacks should be measured from the back of the required sidewalk. Corner lots have two front yards.
^Buildings continuous first floor storefronts

¹Includes all permitted uses defined in

have a front setback of 0-15ft.



Businesses limited by size and type within each node

- Retail establishments
- Pharmacies
- Grocery stores
- Restaurants
- Gasoline service stations







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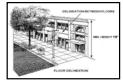
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Storefront Street Requirements Within Village/Town Center



- Windows shall comprise a minimum of 75% of street frontage
- All street, ground level development fronting shall have the following requirements
- Clear, unpainted or otherwise treated glass
- No more than a 20 foot length of blank wall

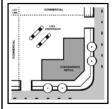




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Gasoline Service Stations



No car washes or automobile maintenance garages permitted

- A maximum of 4 fuel pumps (or 8 fueling position spaces)
- Fuel pumps, canopy, or associated service area shall not be located between building and the



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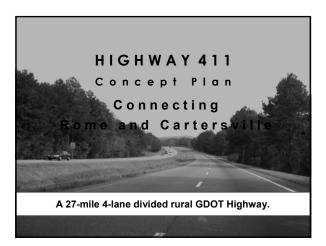
Bicycle Parking

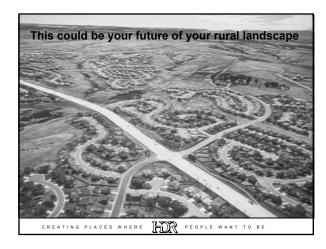
- Bicycle/moped spaces located within the street furniture zone or at least as close as the closest automobile space
- At least one (1) bicycle/moped parking space for every 20 automobile parking spaces
- No fewer than 3 bicycle/moped parking



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Form based codes can help manage infrastructure investments

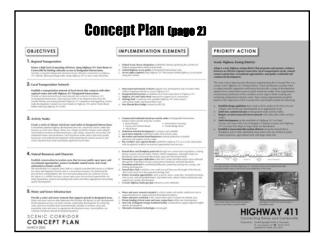


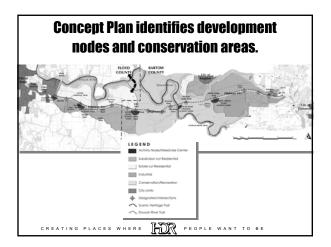


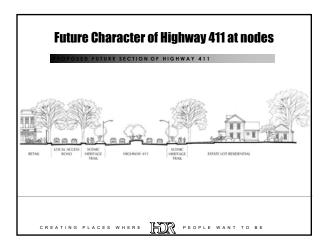


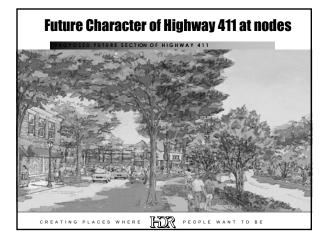
Development with water and sewer infrastructure
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CONCEPT PLAN (page 1) WISION: The skiller for Highwa 411 is a seen believe the partial whose and includes the make the partial whose and includes the make the make the partial whose and includes the partial whose and includes the same that the same tha





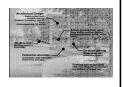




Form-based Codes are critical to successful plan implementation







Develop a Plan

- Identify natural asset protection Define nodal development locations Define the future infrastructure network

Amend Zoning

Build to Code

- Apply design standards
 Apply street typologies and standards
 Implement amenities
- o Support through public investment







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