

Discussion on Old Monroe Road

Town Council
February 28, 2012

1. **Overview of Transportation Planning**
2. **Comprehensive Plan**
3. **Old Monroe Road History**

What is MUMPO?

- Federally-mandated transportation planning agency
- MPOs required in urbanized areas with populations of 50,000 or more
- Federal financial assistance dependent upon the implementation of a *continuing, comprehensive and cooperative* transportation planning process

MUMPO is Responsible For:

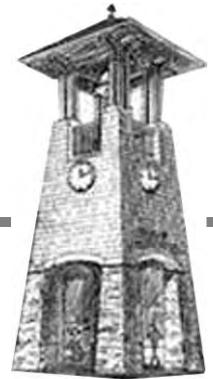
- Coordinating transportation policy for all local government jurisdictions
- Carrying out the urban transportation planning process
- Establishing goals and objectives for the transportation planning process

Transportation Planning Process

- Thoroughfare Plan/Comp Trans Plan
 - Projects originate on TP/CTP
- Long-Range Transportation Plan (LRTP)
 - Required by federal government
 - Must have a 20 year planning horizon and be *fiscally constrained (65 projects)*
- Transportation Improvement Program (TIP)
 - 7 year horizon funding document
 - “Short-range” transportation plan

Town of Indian Trail Comprehensive Plan

November 8, 2005



HNTB

Transportation Element



Transportation



The Villages of Indian Trail

Town of Indian Trail, North Carolina



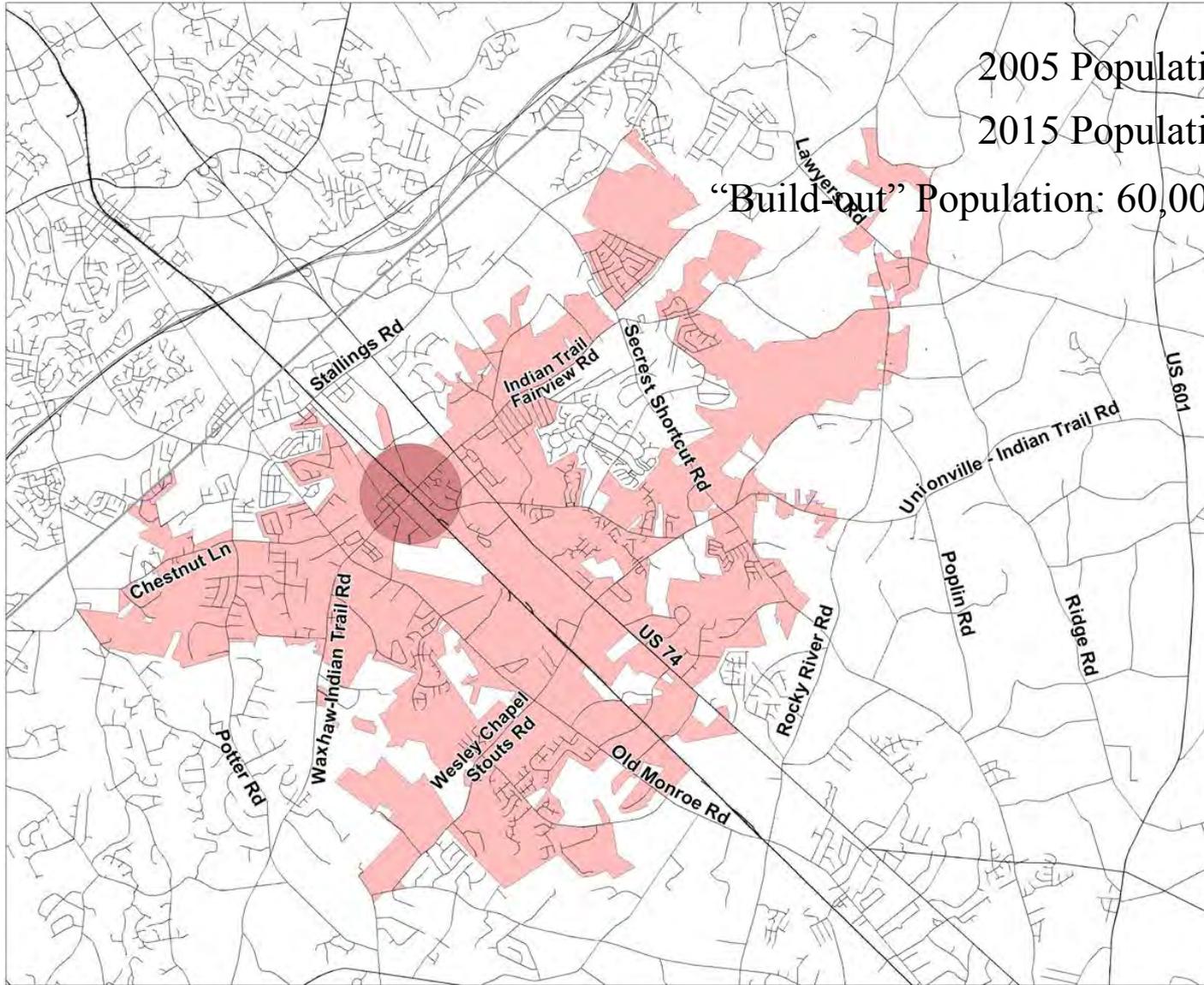
“Build-out” Population



2005 Population: 16,000

2015 Population: 40,000

“Build-out” Population: 60,000 – 70,000

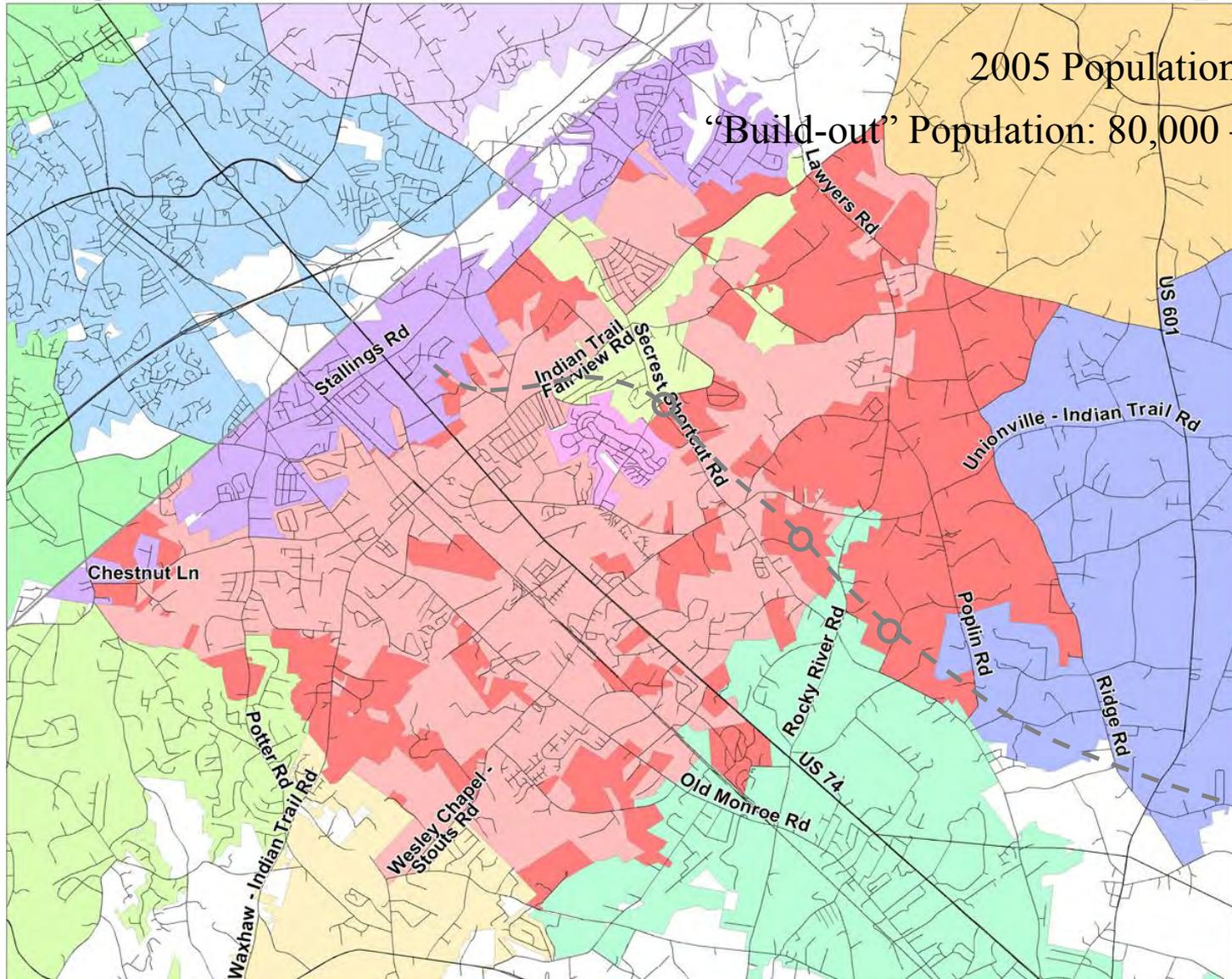


Map Sources:
 FDOT North Carolina
 Town of Indian Trail
 Union County
 Mecklenburg County
 NCDOT

The Villages of Indian Trail

Town of Indian Trail, North Carolina





2005 Population: 16,000

“Build-out” Population: 80,000 – 90,000

Map Sources:
HNTB North Carolina
Town of Indian Trail
Harris County
Mecklenburg County
National Wetlands Inventory
2007

The Villages of Indian Trail

Town of Indian Trail, North Carolina





Transportation Goal

Roads

The “Four C’s”

Capacity

Connectivity

Choice

Complete Streets

The Villages of Indian Trail

Town of Indian Trail, North Carolina





Transportation

“A complete street is defined as a street that works for motorists, for bus riders, for bicyclists, and for pedestrians, including people with disabilities.”

*Planning Magazine
2005*

The Villages of Indian Trail

Town of Indian Trail, North Carolina





Transportation

Table 27

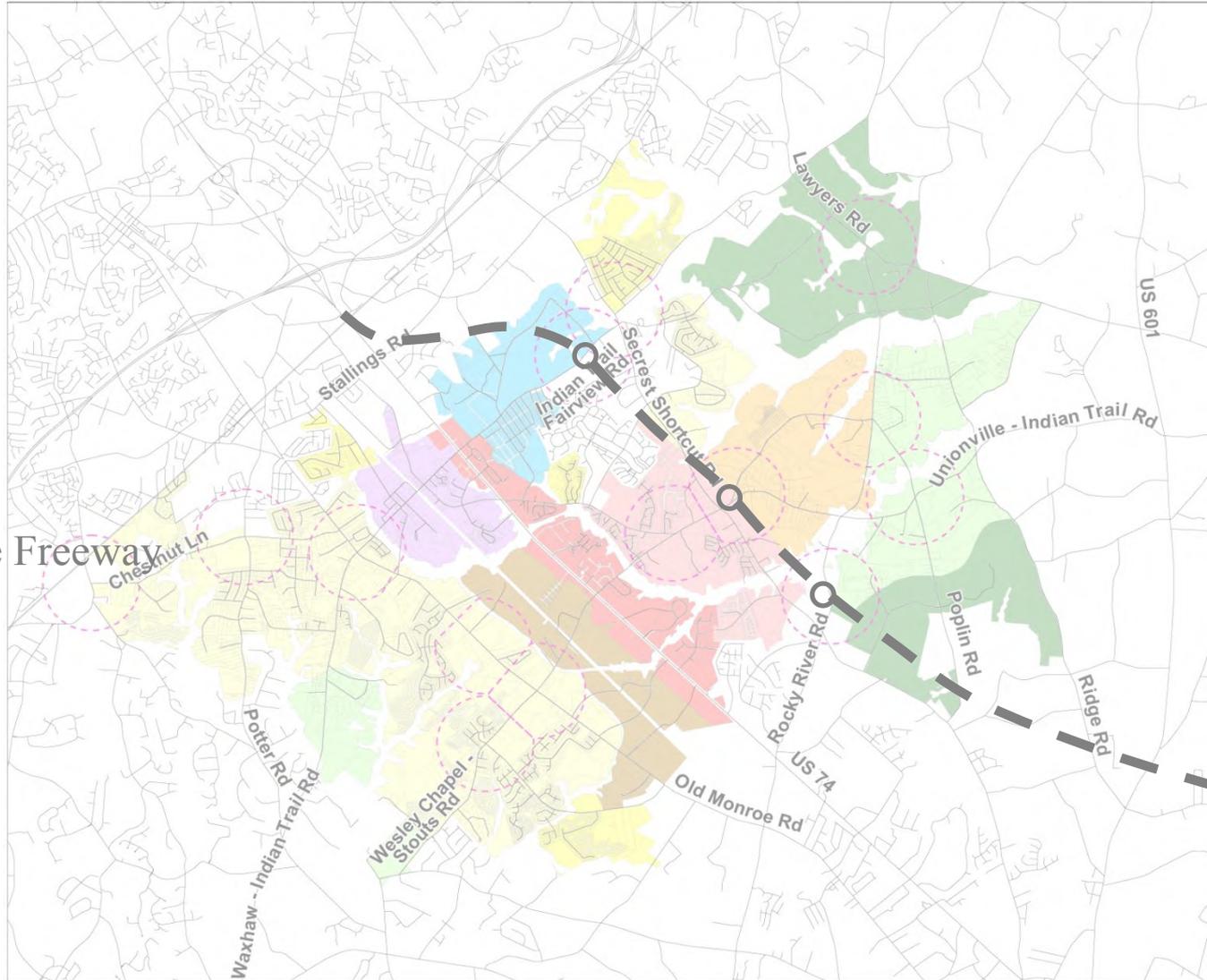
Anticipated Roadway Demand					
Roadway	Existing Traffic Volume	Existing Lanes	2030 Linear Growth Volume	2030 Model Volume	Lanes Needed for Capacity
US 74	37,000- 56,000	4	60,000- 110,000	27,000- 62,000	6
Monroe Connector	-	-	-	75,000- 80,000	4
Old Monroe Rd.	17,000- 22,000	2	28,000- 32,000	18,000- 36,000	4
Indian Trail Rd.	10,000- 12,000	2	17,000- 30,000	12,000- 15,000	2
Waxhaw-Indian Trail Rd.	7,500	2	16,000	14,000- 17,000	2
Unionville-Indian Trail Rd.	3,700-12,000	2	7,000- 36,000	18,000- 24,000	4
Matthews-Indian Trail Rd.	3,200	2	7,700	20,000	2
Indian Trail-Fairview Rd.	4,000-6,000	2	4,000- 17,000	11,000- 17,000	4
Mill Grove Rd.	2,000-3,000	2	4,000- 6,000	16,000- 19,000	2
Idlewild/Secrest Shortcut Rd.	7,000-11,000	2	16,000- 28,000	12,000- 49,000	4
Chestnut Lane/Williams Rescue Rd. Extension	2,000-3,000	2	4,000- 5,000	25,000- 28,000	4
Wesley Chapel-Stouts Rd.	5,000-7,000	2	14,000- 40,000	24,000- 33,000	4
Lawyers Rd.	5,000	2	21,000	12,000- 33,000	4
Potter Rd.	5,000- 8,000	2	11,500	8,000- 13,000	2
Rocky River Rd.	2,000- 3,000	2	5,000- 8,000	10,000- 16,000	2
Ridge Rd.	2,000	2	3,500	14,300	2
Gribble Rd.	2,000	2	3,600	-	2
Faith Church Rd.	-	2	-	8,000- 25,000	2-4





Transportation

Road Network



 4 Lane Freeway

The Villages of Indian Trail

Town of Indian Trail, North Carolina



Road Typologies – 4-Lane Freeway



The Villages of Indian Trail

Town of Indian Trail, North Carolina

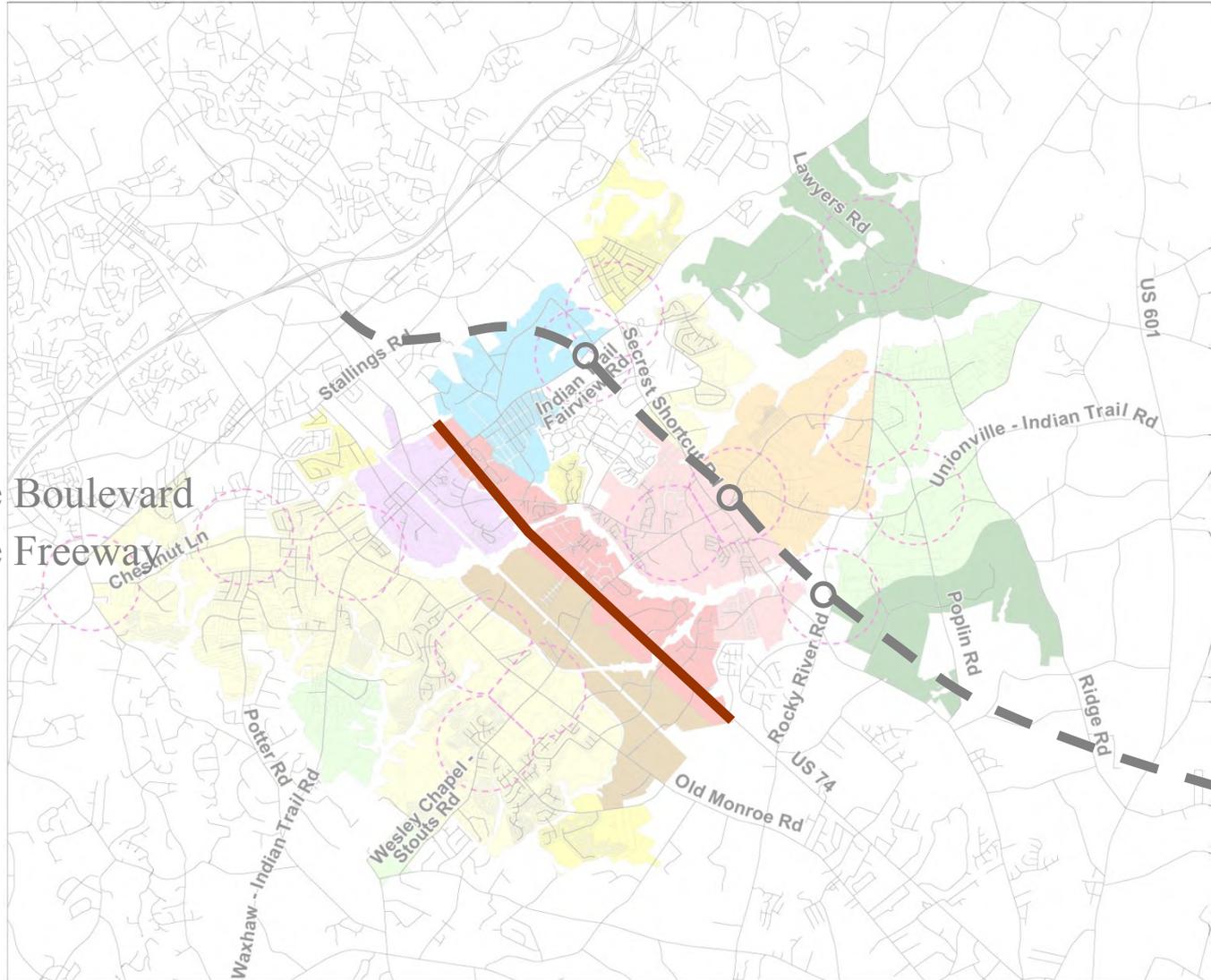




Transportation

Road Network

-  6 Lane Boulevard
-  4 Lane Freeway



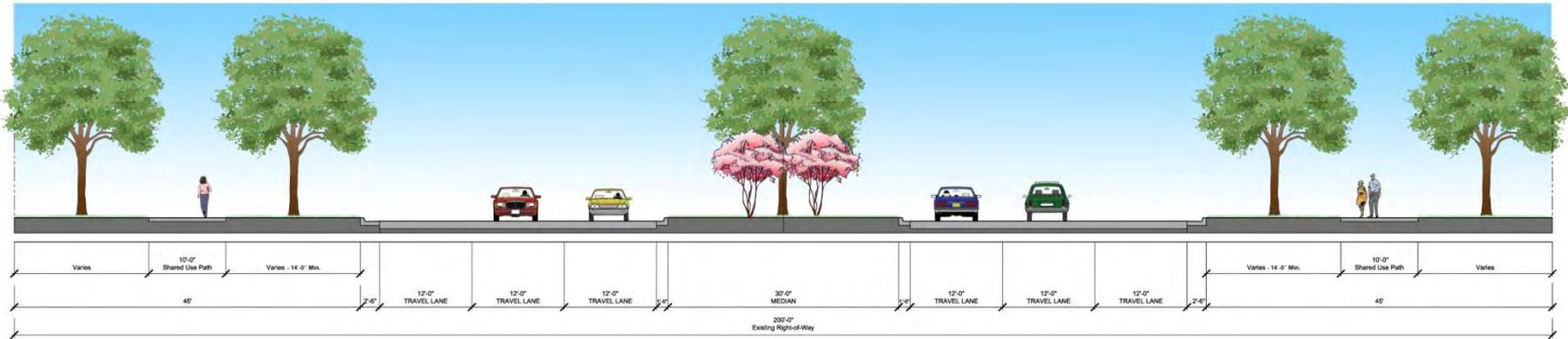
The Villages of Indian Trail

Town of Indian Trail, North Carolina





Road Typologies – 6 Lane Boulevard



The Villages of Indian Trail

Town of Indian Trail, North Carolina

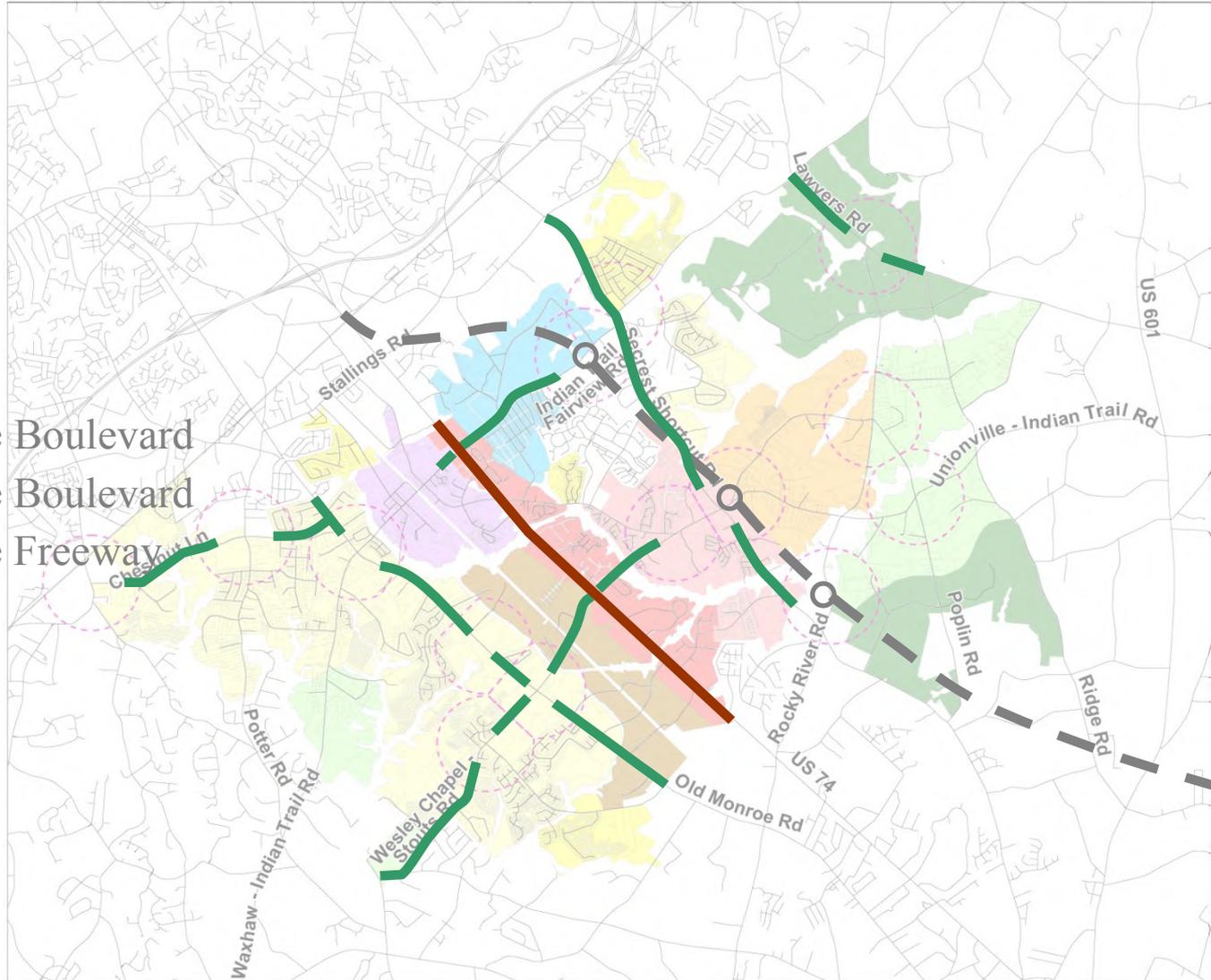




Transportation

Road Network

-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway



The Villages of Indian Trail

Town of Indian Trail, North Carolina

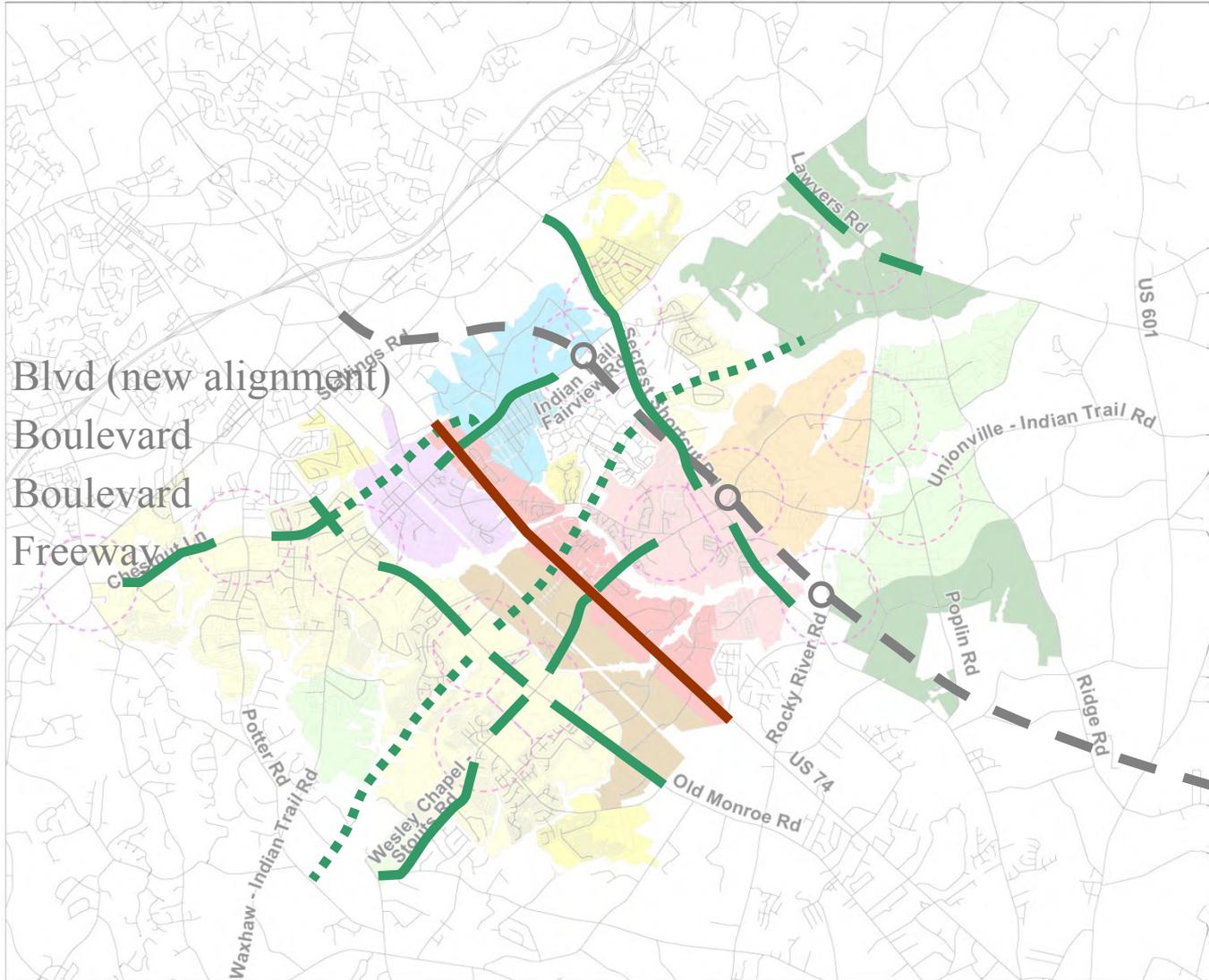




Transportation

Road Network

-  4 Lane Blvd (new alignment)
-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway



The Villages of Indian Trail

Town of Indian Trail, North Carolina

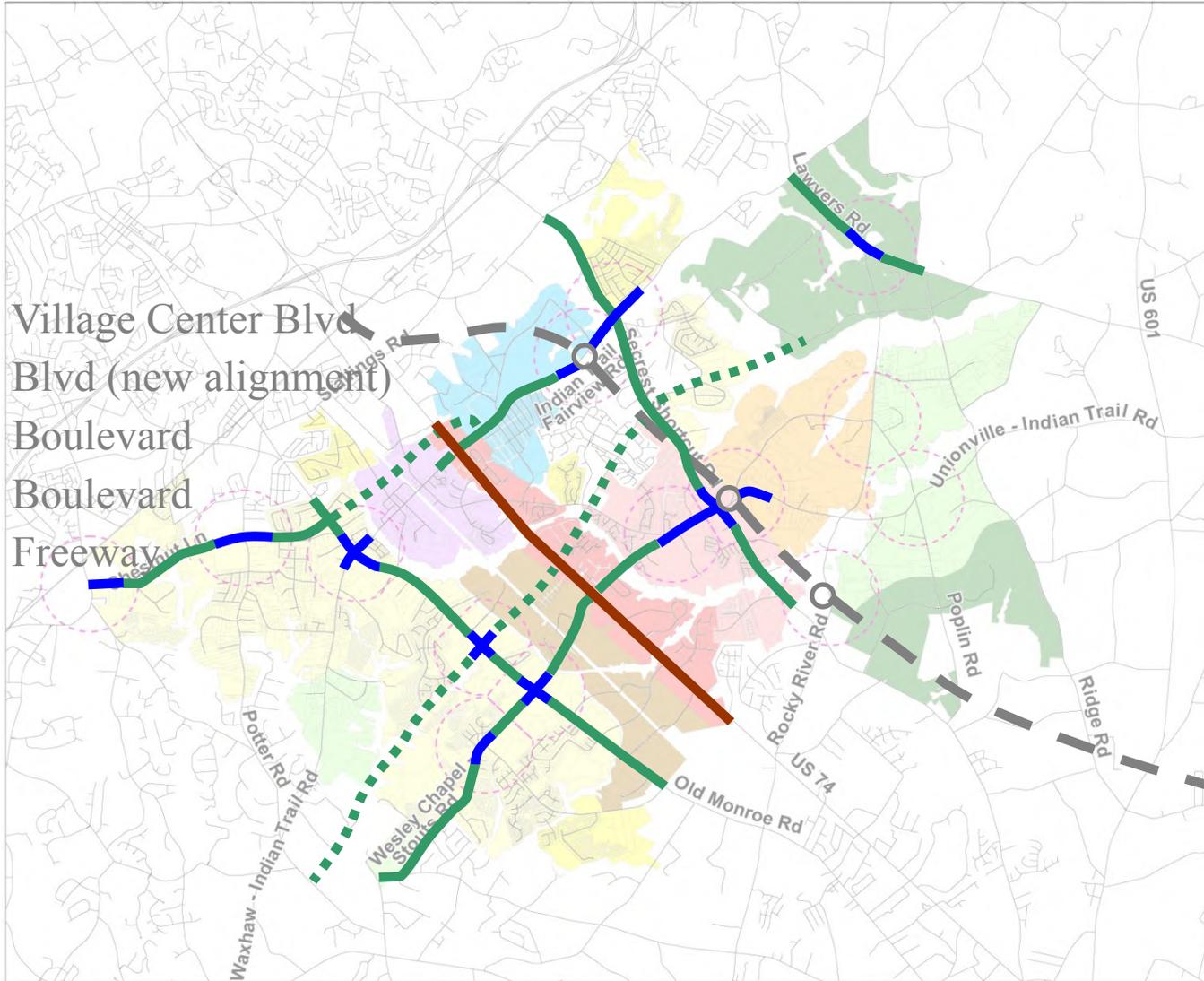




Transportation

Road Network

-  4 Lane Village Center Blvd
-  4 Lane Blvd (new alignment)
-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway

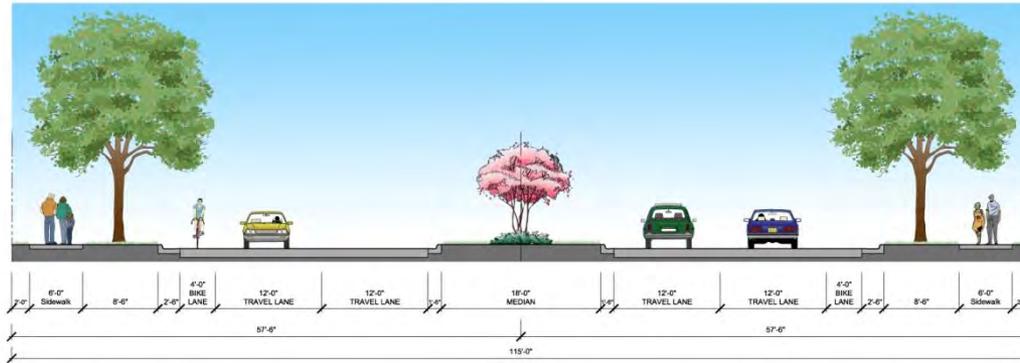


The Villages of Indian Trail

Town of Indian Trail, North Carolina



Road Typologies – 4 Lane Boulevard

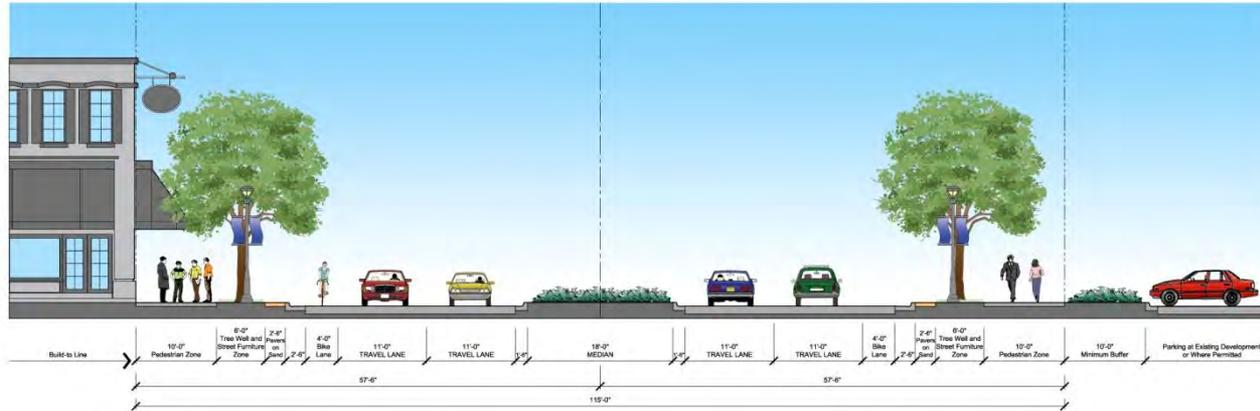


The Villages of Indian Trail

Town of Indian Trail, North Carolina



Road Typologies – 4 Lane Village Center Street



The Villages of Indian Trail

Town of Indian Trail, North Carolina

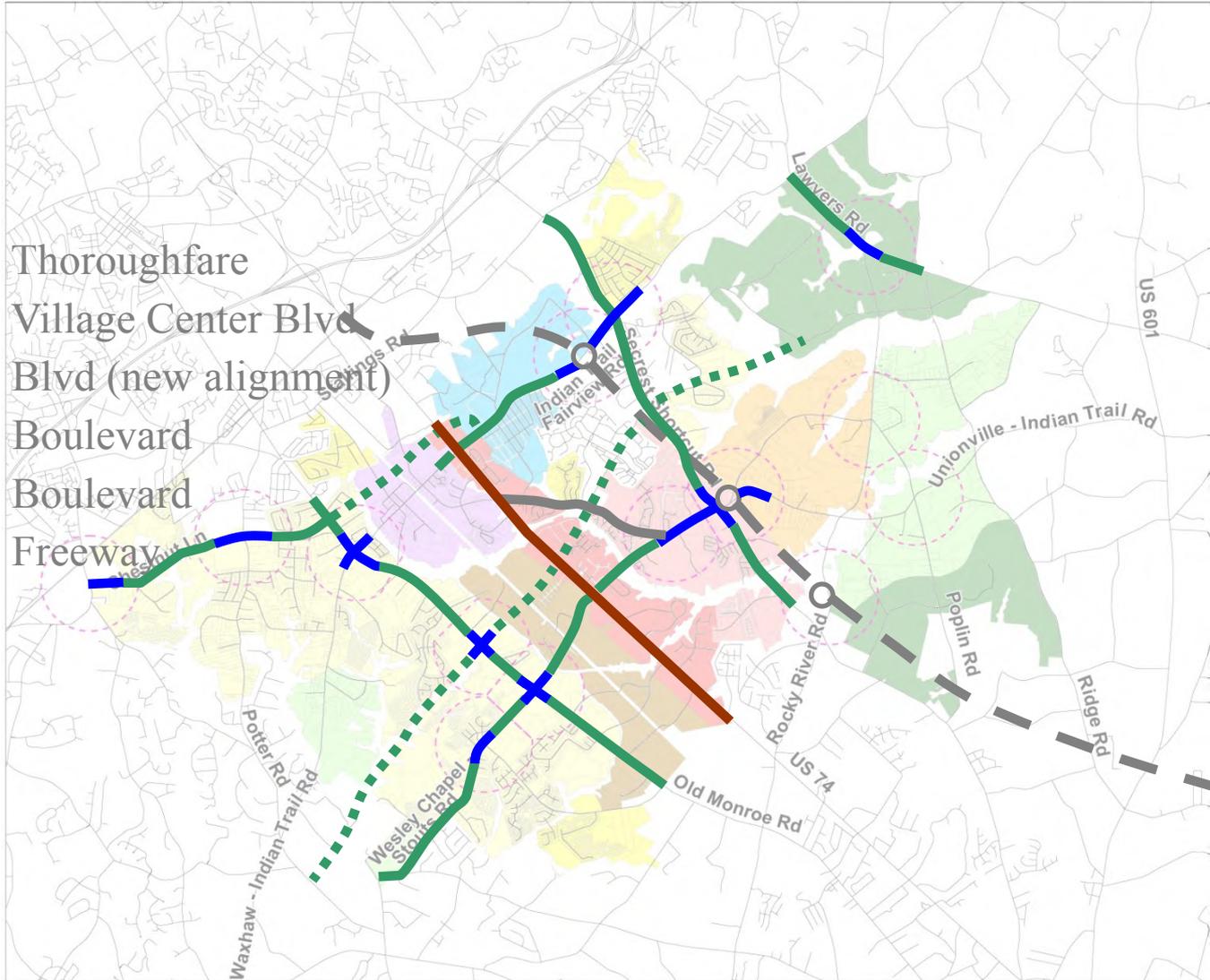




Transportation

Road Network

-  4 Lane Thoroughfare
-  4 Lane Village Center Blvd
-  4 Lane Blvd (new alignment)
-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway

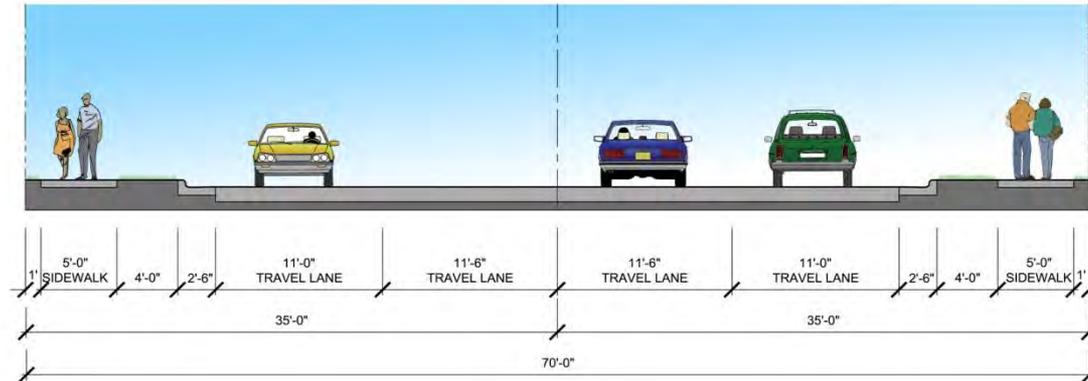


The Villages of Indian Trail

Town of Indian Trail, North Carolina



Road Typologies – 4 Lane Thoroughfare



The Villages of Indian Trail

Town of Indian Trail, North Carolina

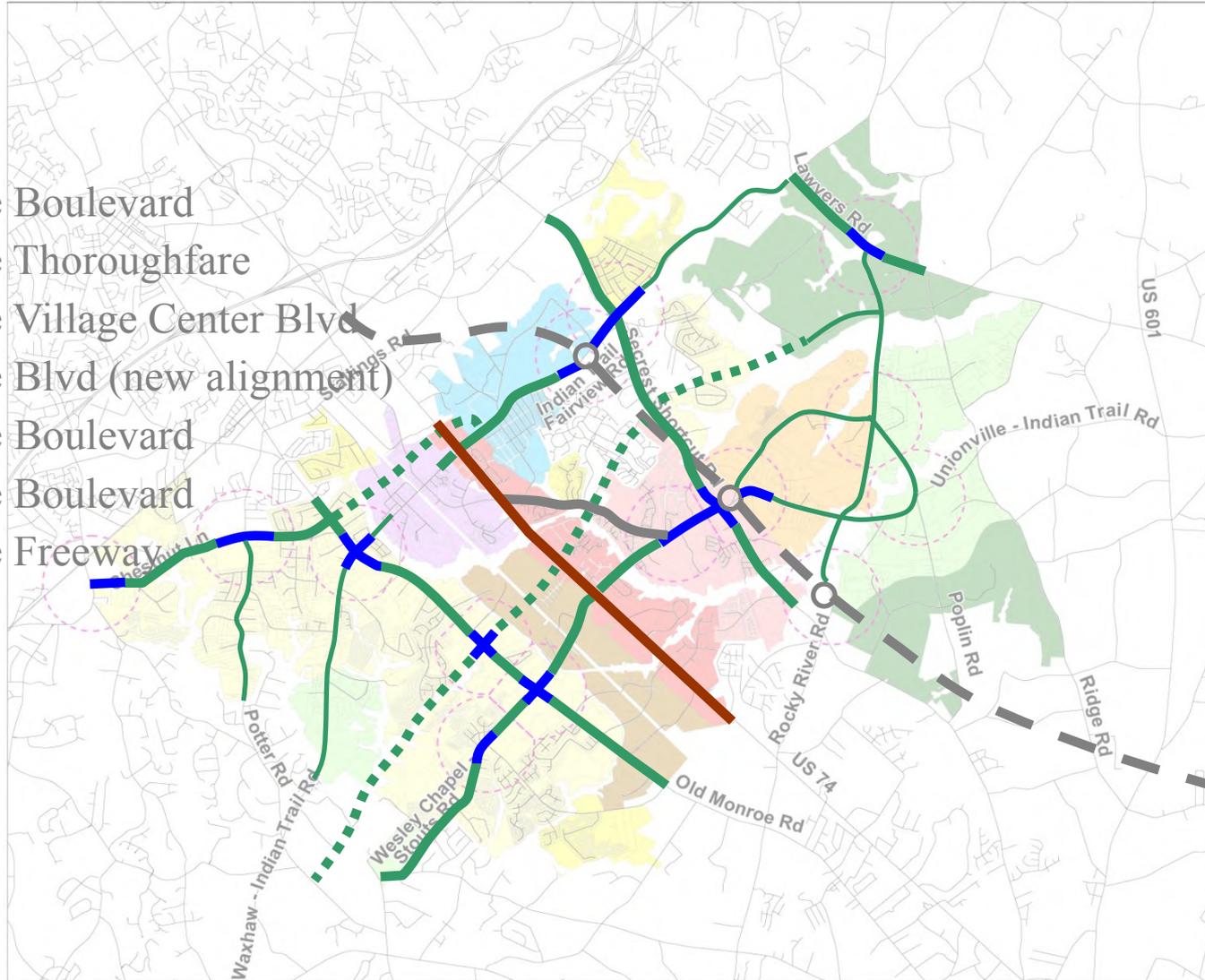




Transportation

Road Network

-  2 Lane Boulevard
-  4 Lane Thoroughfare
-  4 Lane Village Center Blvd
-  4 Lane Blvd (new alignment)
-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway

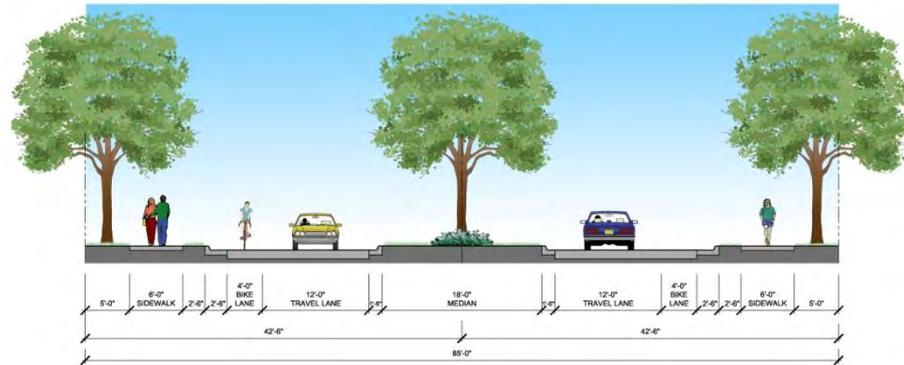


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Road Typologies – 2 Lane Boulevard



The Villages of Indian Trail

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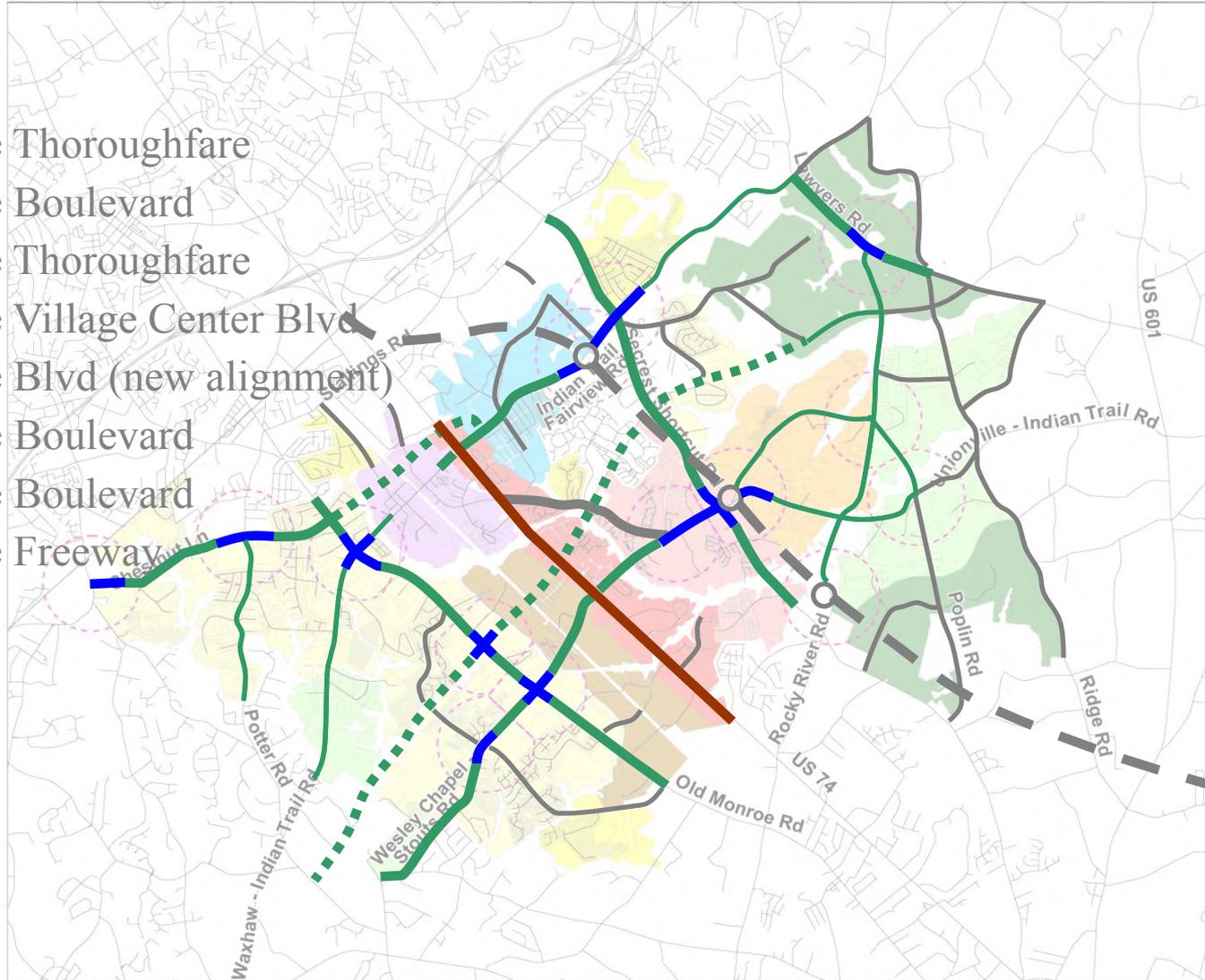




Transportation

Road Network

- 2 Lane Thoroughfare
- 2 Lane Boulevard
- 4 Lane Thoroughfare
- 4 Lane Village Center Blvd
- 4 Lane Blvd (new alignment)
- 4 Lane Boulevard
- 6 Lane Boulevard
- 4 Lane Freeway



The Villages of Indian Trail

Town of Indian Trail, North Carolina

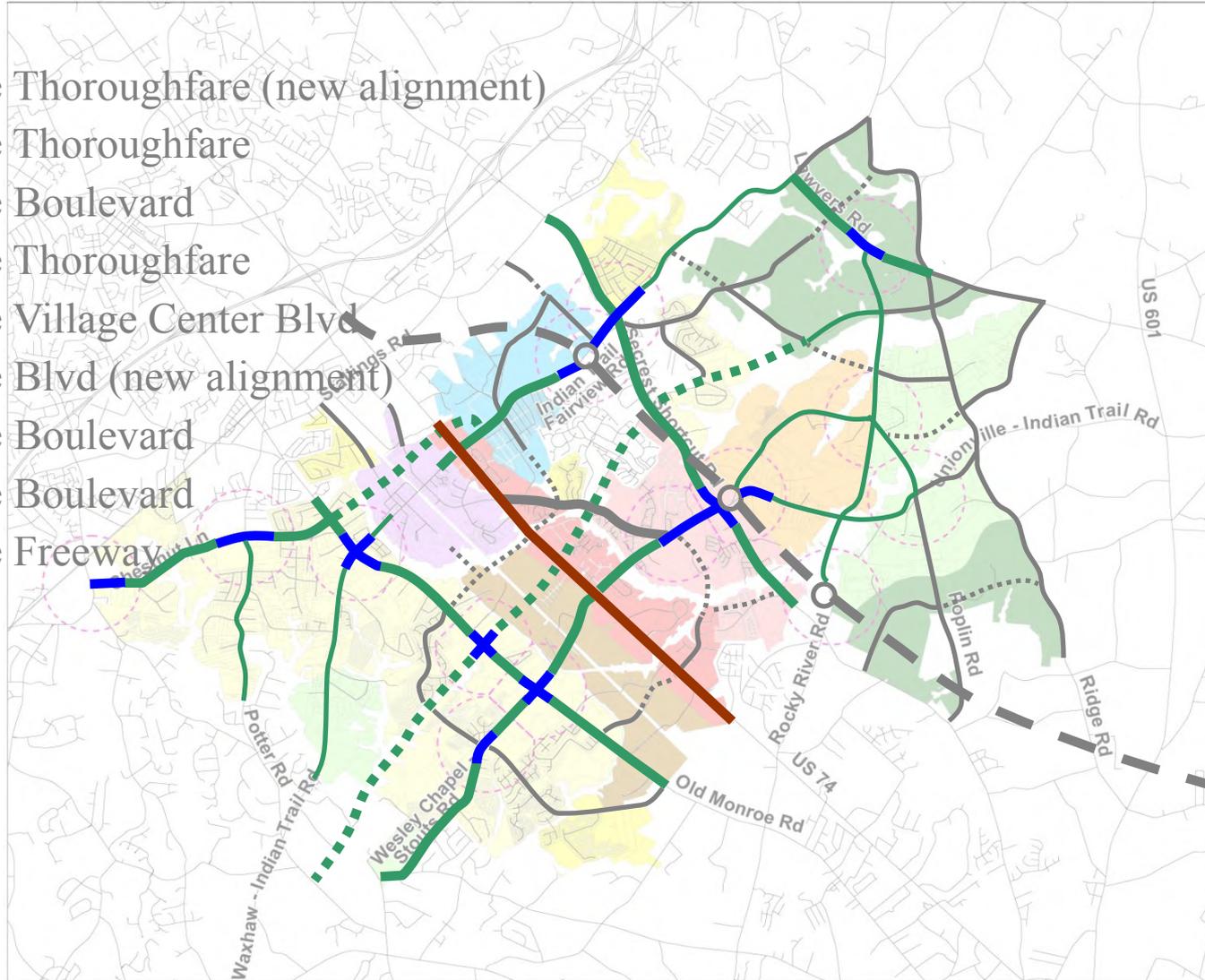




Transportation

Road Network

-  2 Lane Thoroughfare (new alignment)
-  2 Lane Thoroughfare
-  2 Lane Boulevard
-  4 Lane Thoroughfare
-  4 Lane Village Center Blvd
-  4 Lane Blvd (new alignment)
-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway



The Villages of Indian Trail

Town of Indian Trail, North Carolina



Road Typologies – 2 Lane Thoroughfare



The Villages of Indian Trail

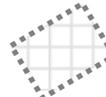
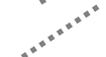
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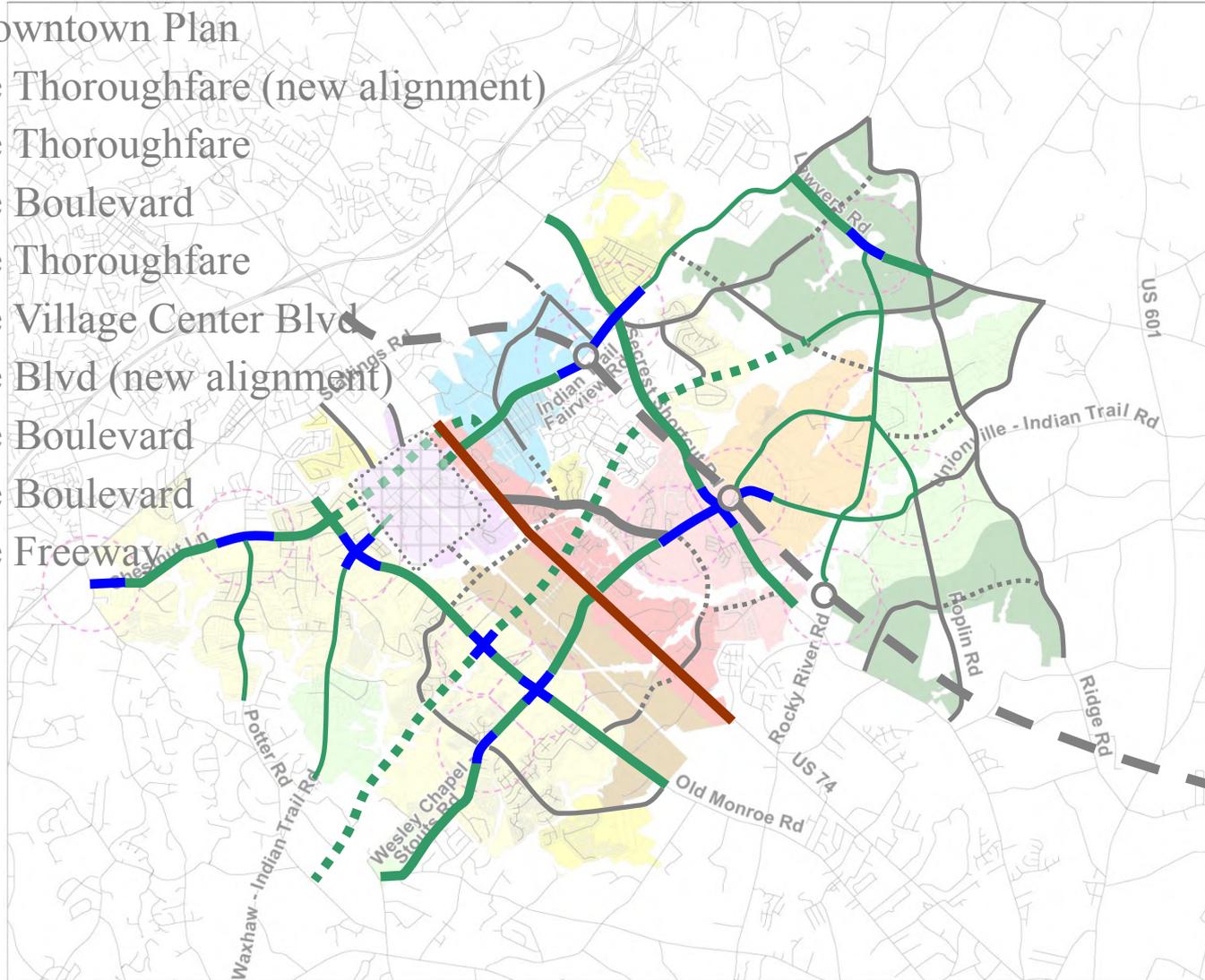




Transportation

Road Network

-  See Downtown Plan
-  2 Lane Thoroughfare (new alignment)
-  2 Lane Thoroughfare
-  2 Lane Boulevard
-  4 Lane Thoroughfare
-  4 Lane Village Center Blvd
-  4 Lane Blvd (new alignment)
-  4 Lane Boulevard
-  6 Lane Boulevard
-  4 Lane Freeway



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Town of Indian Trail, North Carolina





Road Typologies – Downtown Streets



The Villages of Indian Trail

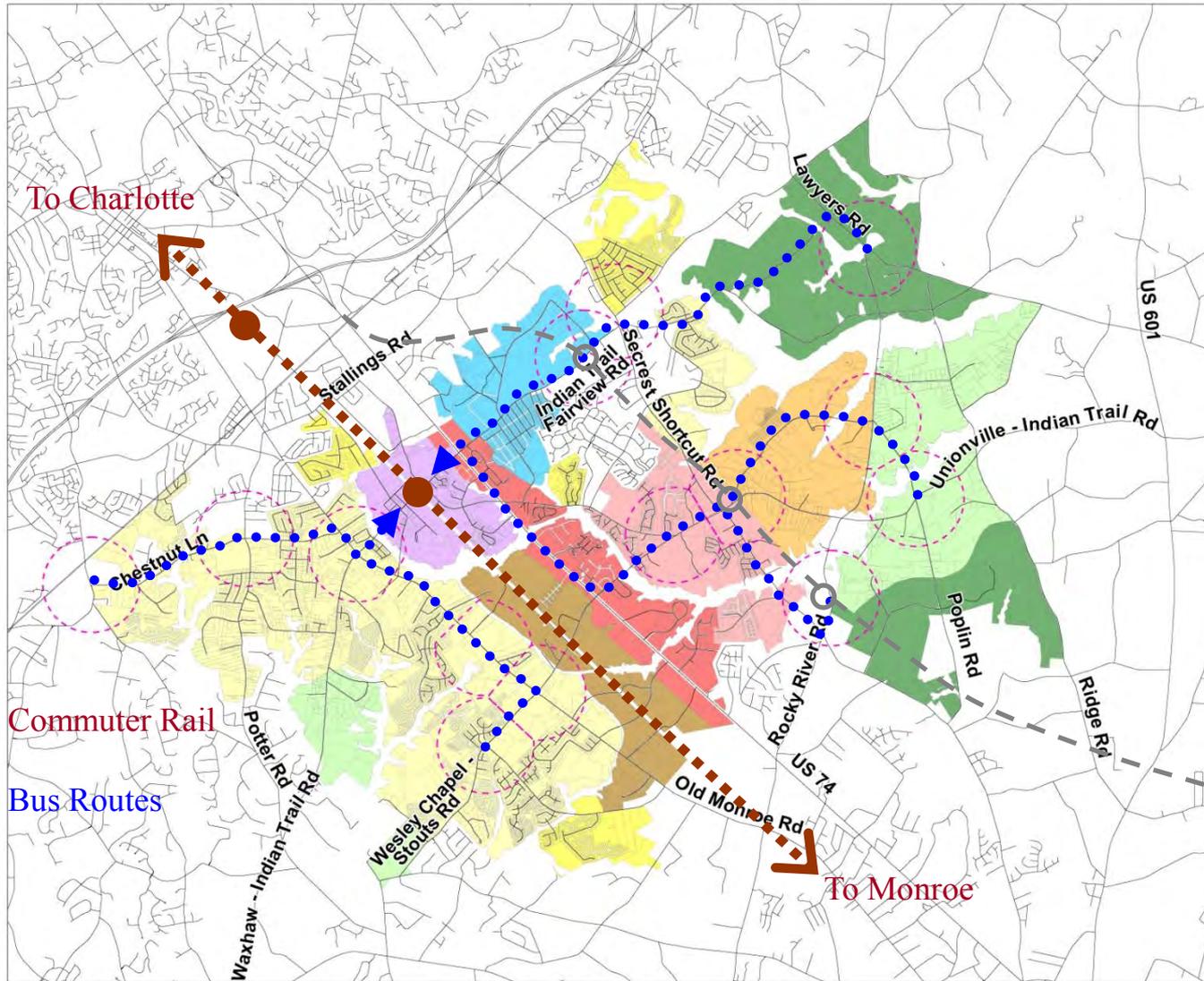
Town of Indian Trail, North Carolina





Transportation

Transit



Commuter Rail



Bus Routes

The Villages of Indian Trail

Town of Indian Trail, North Carolina





Transportation

Transit



Commuter Rail



Express Bus



Local Bus



Small Local Bus

The Villages of Indian Trail

Town of Indian Trail, North Carolina





Traffic

Roadway Traffic Counts					
Roadway Traffic Counts	2004 Traffic Volume	2009 Traffic Volume	2030 Traffic Volume	Existing Lanes	Required Lanes
Old Monroe Rd.	17,000	22,500	44,000	2	4
Unionville-Indian Trail Rd.	12,000	13,000	24,000	2	4
Indian Trail-Fairview Rd.	6,000	8,000	17,000	2	4
Idewild/Secrest Shortcut Rd.	11,000	17,000	35,000	2	4
Chestnut Ln	3,000	4,000	28,000	2	4
Lawyers Rd	5,000	-	20,000	2	4
Wesley Chapel-Stouts Rd.	7,000	15,000	33,000	2	4

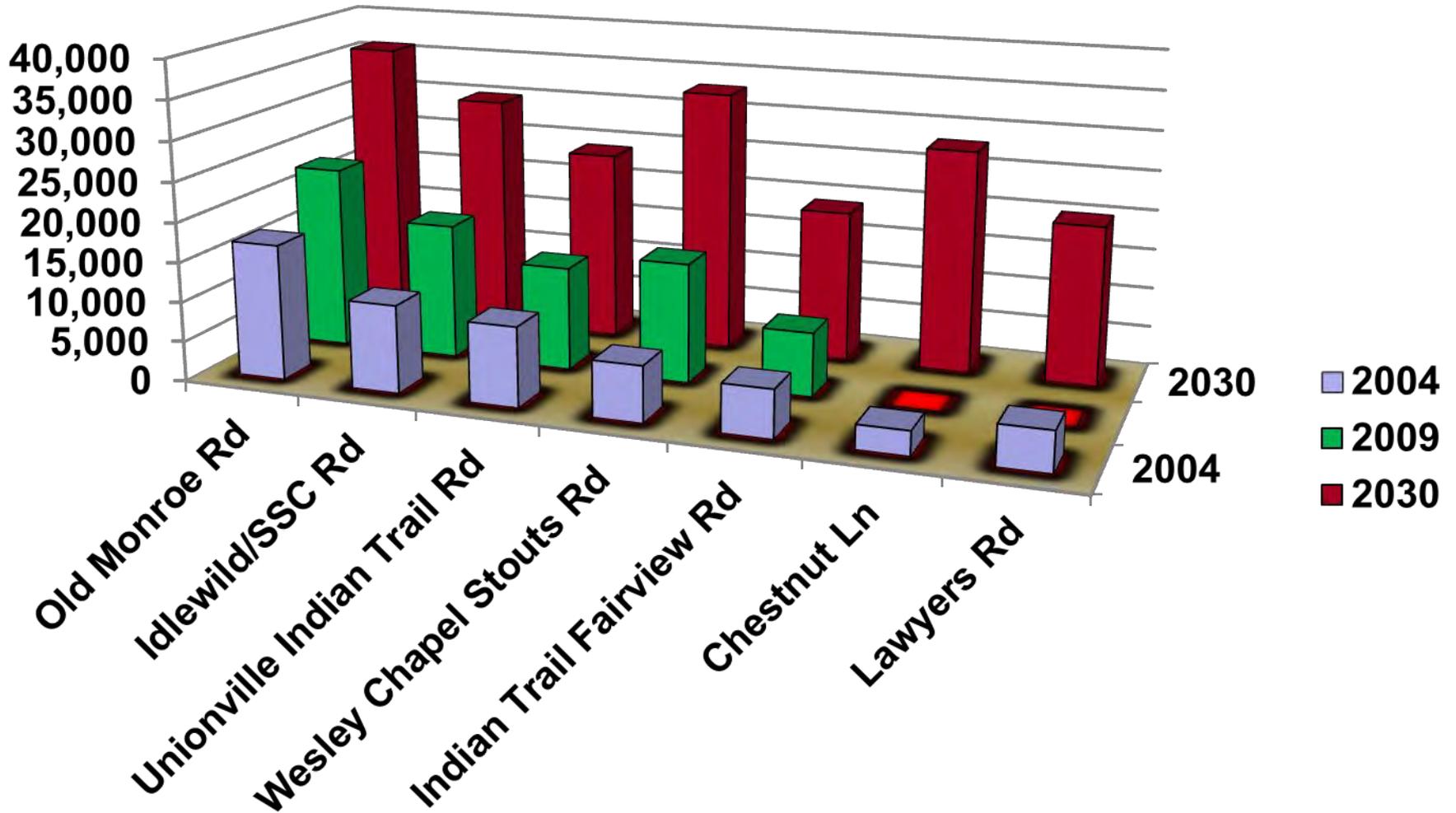
The Villages of Indian Trail

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Traffic



The Villages of Indian Trail

Town of Indian Trail, North Carolina



Old Monroe Rd History...



U-4714

Total = 6.5 mi

Segment "A"
1.2 mi

Segment "B"
2.9 mi

Segment "C"
2.4 mi

Trade Street

Railroad

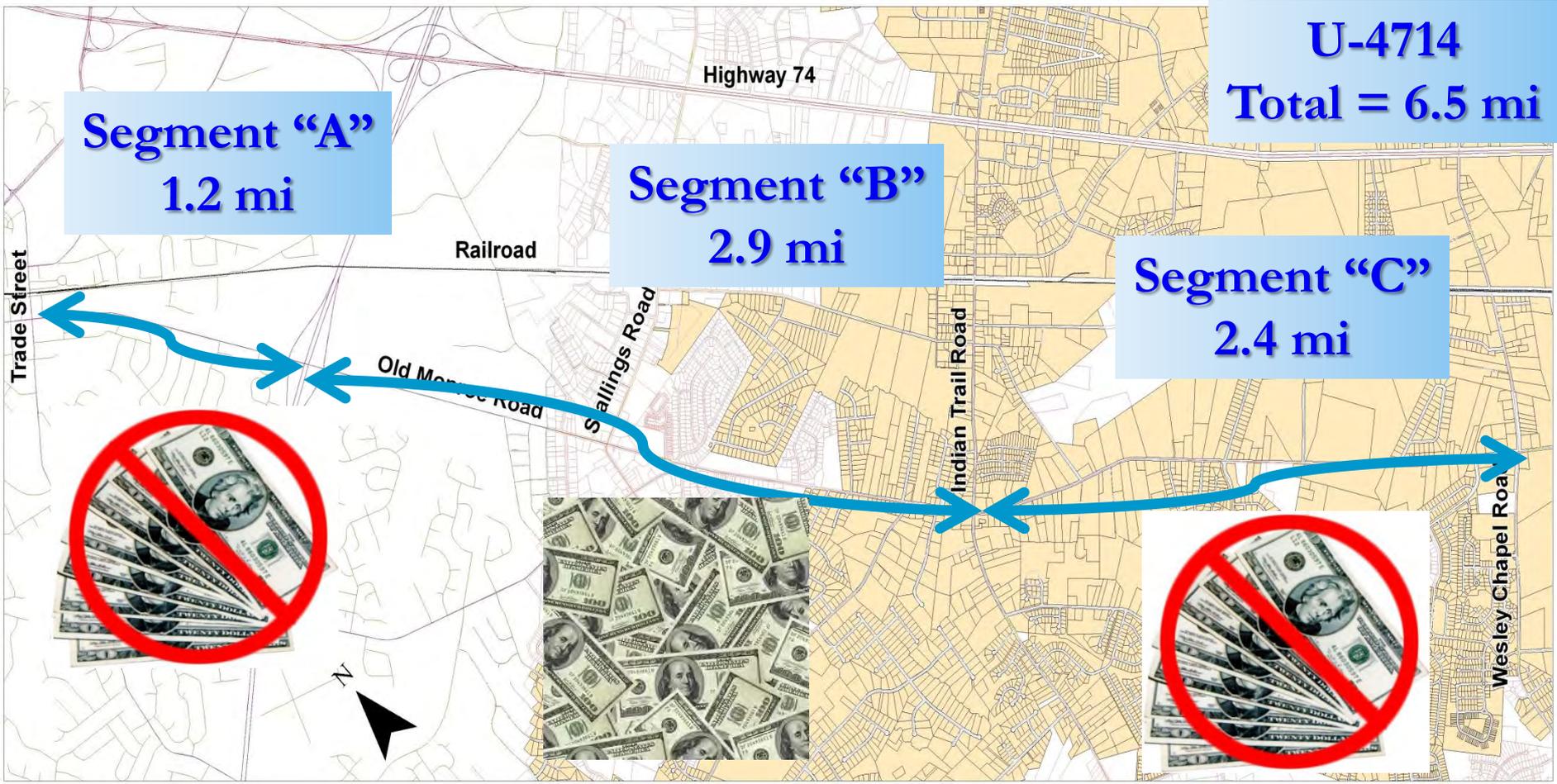
Highway 74

Old Messico Road

Sallings Road

Indian Trail Road

Wesley Chapel Road



Old Monroe Road

■ 2006

- Council expressed concern regarding OMR while discussing Chestnut Connector
- Discussed various design and funding options for OMR including partnership with Stallings
- Estimated \$32mil I-485 – Wesley Chapel Stouts Rd

Old Monroe Road

■ 2006

NCDOT Div Eng Barry Moose addressed Council

- OMR unfunded, 4-lane road \$70 -90mil
- Suggested Stallings/Indian Trail/Matthews work together
- Council discussed requesting MUMPO for additional TIP \$\$ for OMR Planning & Environmental (P&E)
- Joint Resolution w/Stallings to establish OMR as a Priority requesting changes to draft 2007-2013 TIP
- MUMPO approves \$4.3mil FY13 for P&E

Old Monroe Road

■ 2007

- HNTB – Presented Funding Options for Roadway Improvements

■ 2008

- MUMPO hired firm to look at OMR Interim Low Cost Solutions
- Citizen Survey-road improvements main issue in IT

■ 2009

- Staff recommended to MUMPO using the \$4.3mil for interim intersection improvements instead of P&E document
- Pre-budget discussion on GO bond for OMR

Old Monroe Road

■ 2010

- Staff directed by Council to convey to NCDOT that OMR is Town Priority
- Discussion regarding bond referendum questions on survey

■ 2011

- Feb-IT Resolution reallocating \$8.5mil TIP from ITR-OMR
- Stallings resolution reallocating \$14mil TIP from SR-OMR
- March-Survey results
- May-Parker Poe Law Firm presentation on GO bond process
- Nov-Bond passed by voters

2011 DirectionFinder® Survey ***Town of Indian Trail***



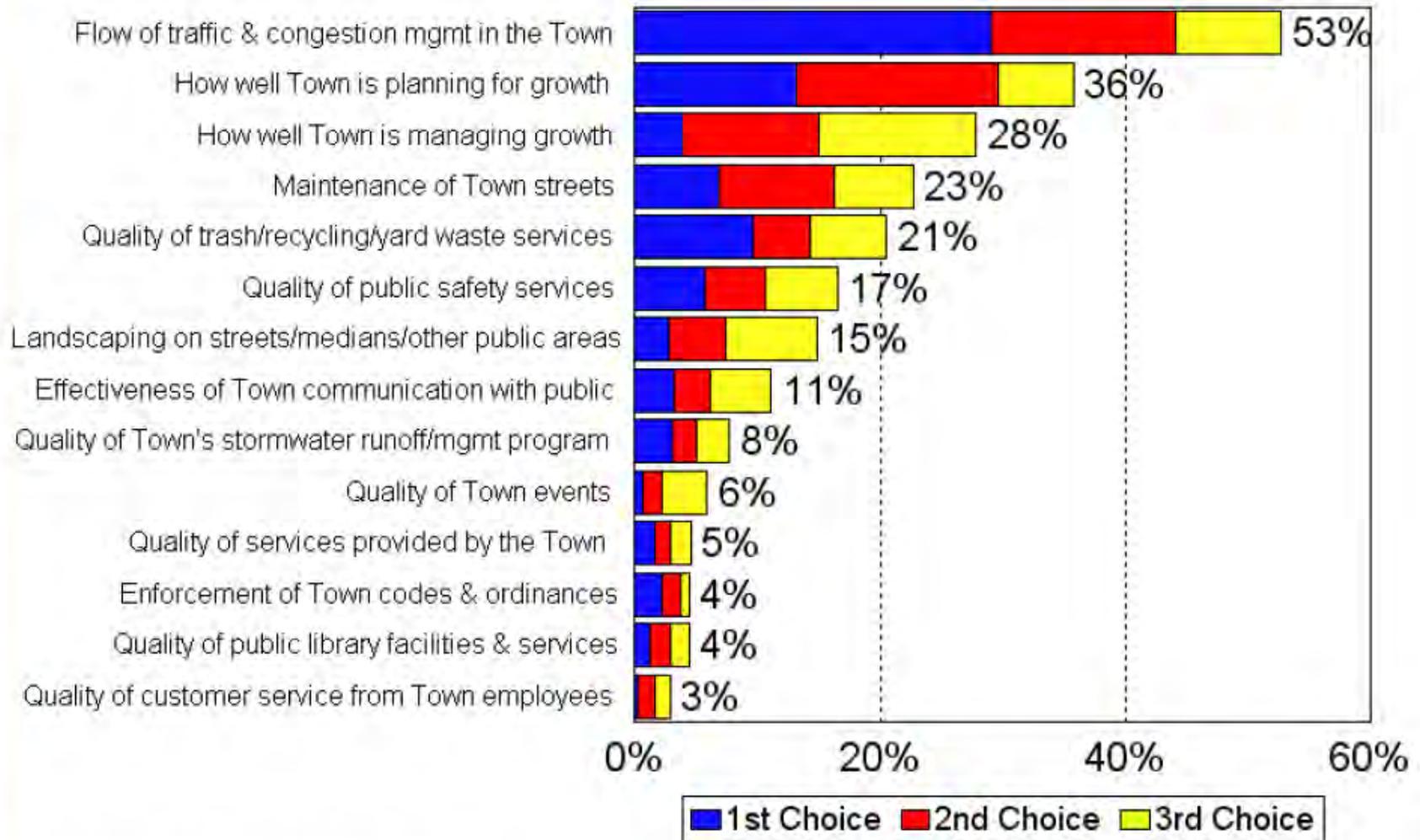
Presented by

ETC Institute

March 24, 2011

Q2. Town Services That Should Receive the Most Emphasis Over the Next Two Years from Town Leaders

by percentage of respondents who selected the item as one of their top three choices



Q18. Which THREE Capital Improvements are the Most Important

by percentage of respondents who selected the item as one of their top three choices

