

REQUEST FOR BOARD ACTION

HENDERSON COUNTY PLANNING BOARD

MEETING DATE: December 15, 2011

SUBJECT: Henderson County Planning Department Transportation Division Update

PRESENTER: Matthew Cable, AICP, Transportation Planner
Jim Crafton, Chair, Henderson County Transportation Advisory Committee

ATTACHMENTS:

1. PowerPoint
2. Henderson County State Transportation Improvement Program (STIP) Project Summary

SUMMARY OF REQUEST:

The Henderson County Planning Department Transportation Division is responsible for County transportation planning and oversight of the public transit system known as Apple Country Transit. Planning staff will provide an overview of the transportation planning process, identify key participants, and highlight current and future projects slated for Henderson County. Henderson County Transportation Advisory Committee Chair, Jim Crafton, will describe the role of the Henderson County TAC as it relates to the other committees and boards. An update on the Apple Country Transit system, including a review of recent changes, will be provided. The Planning Board will have the opportunity to ask questions following the presentation.

Suggested Motion:

No motion required.

Henderson County Planning Department Transportation Division Update

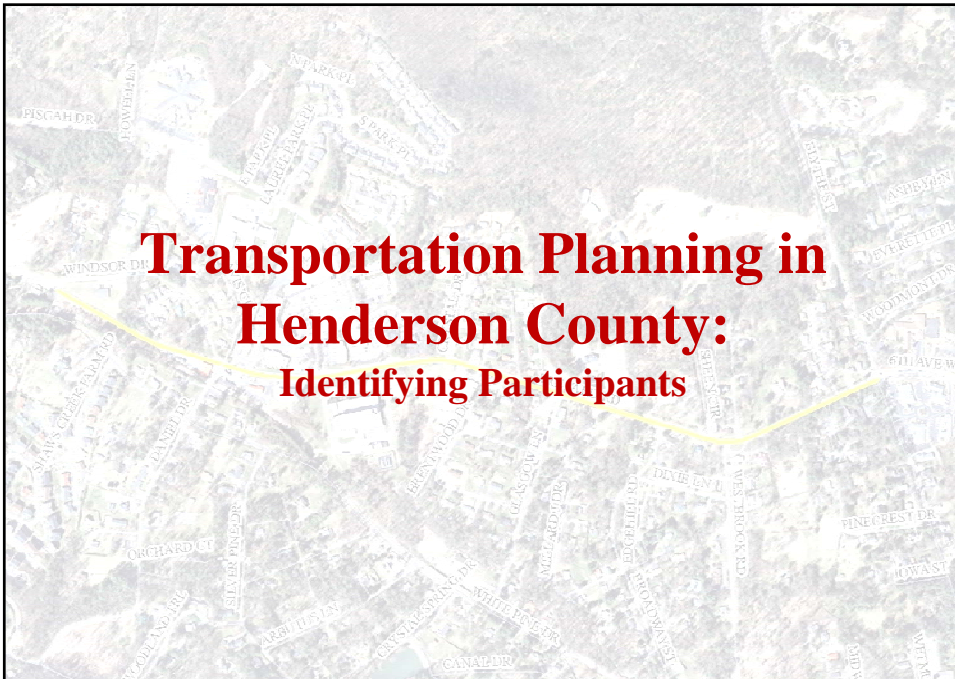


Thursday, December 15, 2011

Presentation by: Matthew Cable, AICP, Transportation Planner

Henderson County Planning Department

Transportation Planning in Henderson County: Identifying Participants



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Participants in Transportation Planning

1. Henderson County Planning Department Staff
2. Municipal Staff
3. Henderson County Transportation Advisory Committee (TAC)
 - Board of Commissioners Representatives
 - Elected Municipal Officials
4. French Broad River Metropolitan Planning Organization (FBRMPO) Technical Coordinating Committee (TCC)
5. FBRMPO Transportation Advisory Committee (TAC)
6. North Carolina Department of Transportation (NCDOT)
7. Federal Highway Administration (FHWA)
8. North Carolina Board of Transportation

Citizens are able to engage throughout the process at all levels

Henderson County Planning Department

The Role of Planning & Municipal Staff

1. Henderson County Planning Department Staff
 - Serve as Staff to the Henderson County TAC
 - Serve as Representative on the FBRMPO TCC
 - Work with Henderson County municipalities, NCDOT, FBRMPO, Henderson County TAC, and BOC on transportation related issues throughout the County
 - Oversee Apple Country Transit
2. Municipal Staff
 - Serve as Representatives on the FBRMPO TCC

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The Role of the FBRMPO

4. French Broad River Metropolitan Planning Organization (FBRMPO) Technical Coordinating Committee (TCC)
 - Advisory committee to the FBRMPO TAC
 - Composed of appointed technical representatives from **Member Governments** and local and state governmental agencies
5. FBRMPO Transportation Advisory Committee (TAC)
 - Coordinates regional aspects of processes including: Comprehensive Transportation Plan (CTP); Long Range Transportation Plan (LRTP); State Transportation Improvement Plan (STIP); and SPOT process (the Method by which projects are entered into the STIP)
 - Sends forward recommendations directly to NCDOT and NCBOT
 - Composed of elected officials from **Member Governments** and the NCBOT and FHWA

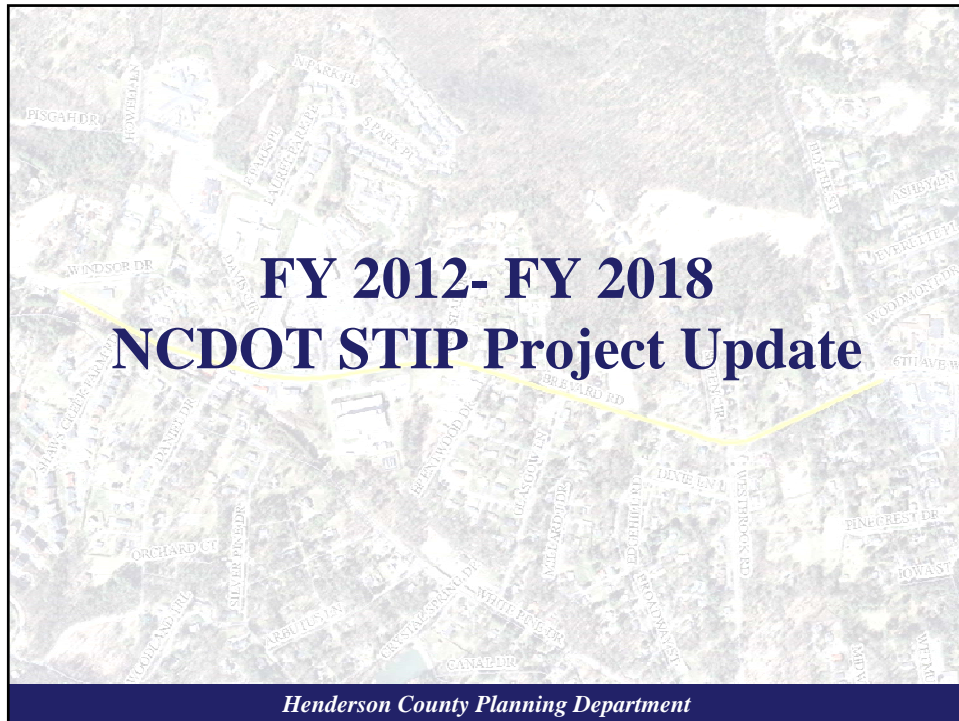
Member Governments: Henderson County, Flat Rock, Fletcher, Hendersonville, Laurel Park;
Buncombe County, Asheville, Biltmore Forest, Black Mountain, Canton, Clyde, Montreat,
Weaverville, Woodfin; Haywood County, Canton, Clyde, Maggie Valley, Waynesville

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The Role of Henderson County TAC

3. Henderson County TAC
 - Composed of representatives from each of the municipalities in the County (these individuals also serve as the representatives to the FBRMPO TAC)
 - Board of Commissioner liaison, Vice Chairman Bill O'Connor, serves as representative to FBRMPO TAC
 - Establishes an opportunity for local government representatives to meet and discuss transportation issues within Henderson County
 - Provides an opportunity for local government representatives to align and move Henderson County transportation projects ahead in the competitive regional and state processes occurring at the FBRMPO level

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STIP Project Review by Type

1. Projects at or Nearing Completion (Funds Expended)
 - NC 280 Park and Ride (Easement Issue Resolved)
 - US 64 West (Substantially Complete)
 - US 25 (Substantially Complete)
 - Blue Ridge Parkway Projects
 - Sidewalk Construction (Fletcher)
 - Cane Creek Greenway Construction (Fletcher)
 - CNG Fueling Station (Substantially Complete)

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STIP Project Review by Type

2. Interstate 26 Improvements

- Diverging Diamond Interchange at NC 280 (FY 2012-2013)



STIP Project Review by Type

2. Interstate 26 Improvements Continued...

- Pavement Rehabilitation
- Interstate Maintenance
- Widening of sections A, B, and C (FY 2018 right of way acquisition and FY 2020 construction begins)

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STIP Project Review by Type

2. Other Road, Intersection and Transit Projects

- Upward Road Widening
- Howard Gap Road Improvements (with Bike Lane)
- Shepherd St/Erkwood Dr/NC 225 Intersection (FY 2012)
- Transit Center Construction (FY 2015)

3. Bridge Replacement Projects

4. Pedestrian and Bike Improvement Projects

- Oklawaha Greenway (Completed Portion)
- Oklawaha Greenway (Patton Park to Balfour Rd, FY 2015)
- US 64 W Bikeways/Greenways
- Fletcher Greenway Phases IB, II, and III

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SPOT Highway Projects Update – Getting Future Projects on the STIP

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The Rankings: The Initial Points

Entity	Pts. Allocated by State	Max. Pts. per Project	Pt. Assignment Methods Determined by:	Counties Sharing Allocated Points
NCDOT	NA	100	NCDOT SPOT	NA
FBRMPO	1,300	100	MPO	(3) Buncombe, Haywood, Henderson
NCDOT Division 14	1,300	100	Division 14	(10) Cherokee, Clay, Graham, Haywood, Henderson , Jackson, Macon, Polk, Swain, Transylvania
NCDOT Division 13	1,300	100	Division 13	(7) Buncombe , Burke, Madison, McDowell, Mitchell, Rutherford, Yancey

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Final Rankings: Combining the Score

NCDOT Allows for a percentage of the total points from each entity able to provide points

Project Type	Percent of Initial Points Carried Forward			Total Points
	FBRMPO	NCDOT Division	NCDOT SPOT Score	
Statewide	10%	20%	70%	100
Regional	25%	25%	50%	100
Subregional	40%	30%	30%	100

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Final Rankings: Combining the Score

Sample Project Scores at Each Level

Subregional	Entity	Points	Percent of Total	Total Points (Entity Points X %)
	NCDOT	38.73	30%	11.62
	Division	100	30%	30.00
	FBRMPO	100	40%	40.00
			Total	81.62 pts

Regional	Entity	Points	Percent of Total	Total Points (Entity Points X %)
	NCDOT	38.73	50%	19.37
	Division	100	25%	25.00
	FBRMPO	100	25%	25.00
			Total	69.37 pts

State	Entity	Points	Percent of Total	Total Points (Entity Points X %)
	NCDOT	38.73	70%	27.09
	Division	100	20%	20.00
	FBRMPO	50	10%	10.00
			Total	57.09 pts

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How Did the FBRMPO Assign Points?

1,300 points were assigned to the top 14 projects as follows:

1. Each of the top 12 projects were assigned 100 points each
2. The last 2 projects were assigned 50 points each
3. Where a project was split into 2 or 3 sections the highest SPOT scored section was given the point allocation (affecting I-26 (Buncombe), I-26 (Henderson), and NC 191 (Henderson))

Rationale: One high scoring segment would more likely move planning of the entire project forward.

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Current Top 14 Projects (Without Division Score)

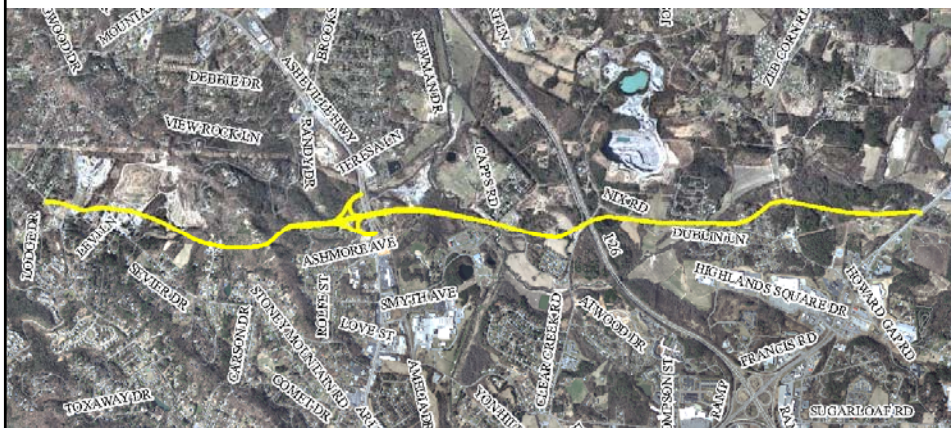
Rank	Project	County	Current Cumulative Score
1	Balfour Parkway	Henderson	44.92
2	Wilma Dykeman Riverway	Buncombe	43.65
3	US 64 (Blythe to Daniel)	Henderson	39.34
4	I-26 (Long Shoals Rd to I-40)	Buncombe	37.63
5	Sweeten Creek Rd	Buncombe	35.85
6	NC 191 (Mountain Rd to NC 280)	Henderson	33.00
7	Merrimon Ave (Beaverdam Rd to I-240)	Buncombe	31.88
8	US 19/23 (NC 215 to Canton)	Haywood	31.36
9	US 23 B (US 276 to Hyatt Creek Rd)	Haywood	30.13
★ 10	I-26 (US 25 to NC 280)	Henderson	29.85
★ 11	US 276 (US 23/74 to US 23 B)	Haywood	27.77
★ 12	NC 280 Interchange at I-26	Henderson/ Buncombe	27.29
13	Asheville Signal System	Buncombe	27.27
14	I-26 (NC 280 to Long Shoals Rd)	Buncombe	26.85

★ = Already in STIP

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1. Balfour Parkway

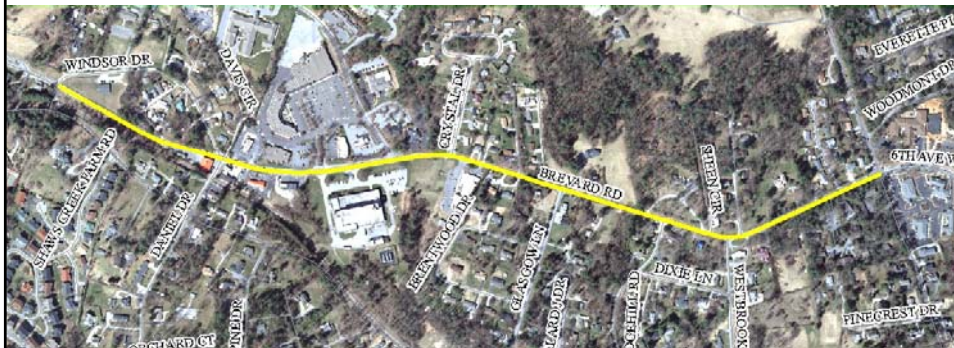
- Henderson County
- New Expressway
- Estimated Cost: \$75,000,000



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3. US 64 West (HEND0001-H)

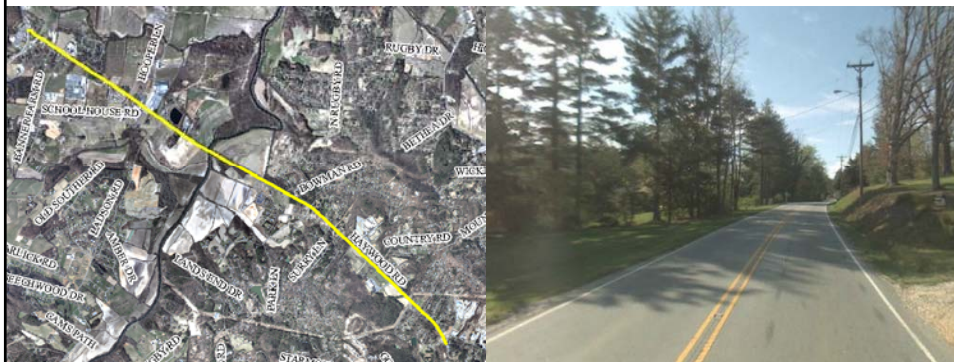
- Blythe Street to White Pine Drive
- Widening and Improvements
- Estimated Cost: \$6,000,000



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6. NC 191 Project #R-2588B

- Widening to four lanes (Mountain Road to NC 280) Multimodal improvements
- Estimated Cost: \$61,600,000



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SPOT Bike/Ped Projects Update: Getting Future Projects on the STIP

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SPOT Pedestrian Projects

Five Recommended Pedestrian Projects			
Jurisdiction	Description	Cost	Cumulative Score
City of Asheville	Patton Ave pedestrian crossing improvements	\$740,000	77
Town of Waynesville	Sidewalks to School	\$210,000	70
City of Hendersonville	Sidewalk both sides of N. Main St from Signal Hill Rd/Duncan Hill Rd to Ocain Ct	\$219,080	60
City of Hendersonville	Blythe St sidewalk, curb & gutter on one side from US 64 NC 191	\$336,000	58
City of Asheville	Swannanoa River Road sidewalks	\$465,405	54

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SPOT Bicycle Projects

Five Recommended Bicycle Projects			
Jurisdiction	Description	Cost	Cumulative Score
City of Asheville	McDowell Road bike improvements	\$216,000	75
City of Hendersonville	Oklawaha Greenway Phase 3-Patton Park to Berkley Park	\$1,000,000	61 ★
City of Asheville	Sandhill Rd, Enka Lake Rd, Haywood Rd add bike lanes	\$322,291	53
Town of Maggie Valley	US 19 bike improvements	\$132,000	50
Buncombe County	Old US 70 in Black Mountain	\$261,184	47

★ = Already in STIP

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New CNG Buses

1. Three (3) of the Five (5) CNG Buses that will replace the existing Apple Country Transit fleet have been ordered (anticipate delivery April 2012)
2. Two (2) additional buses will be ordered later this month and will arrive in May/June 2012)



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Apple Country Transit

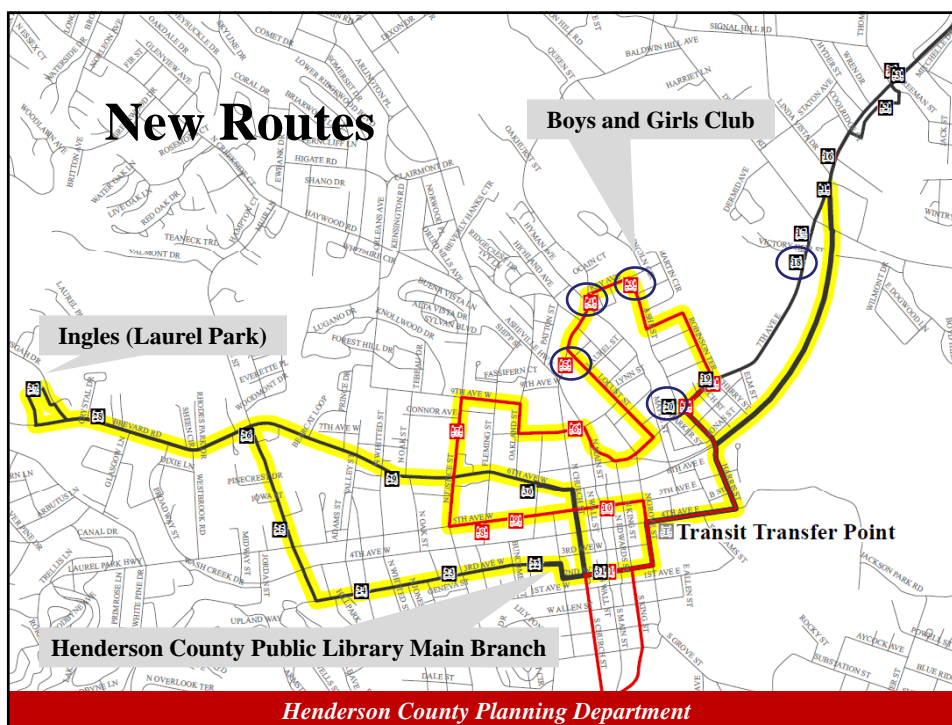
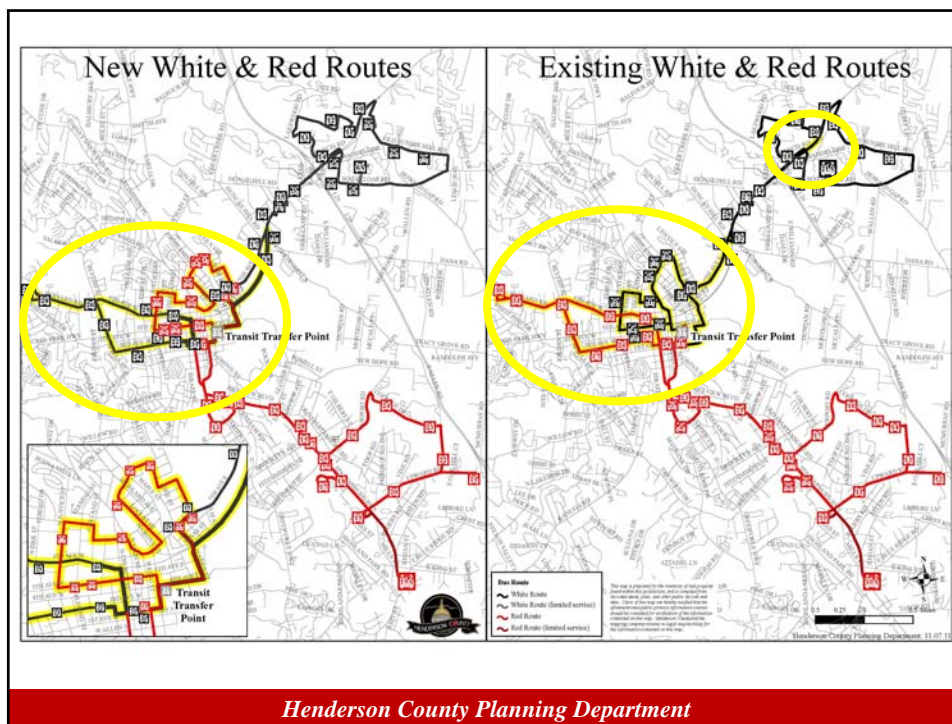
White and Red Route Changes Proposed in order to:

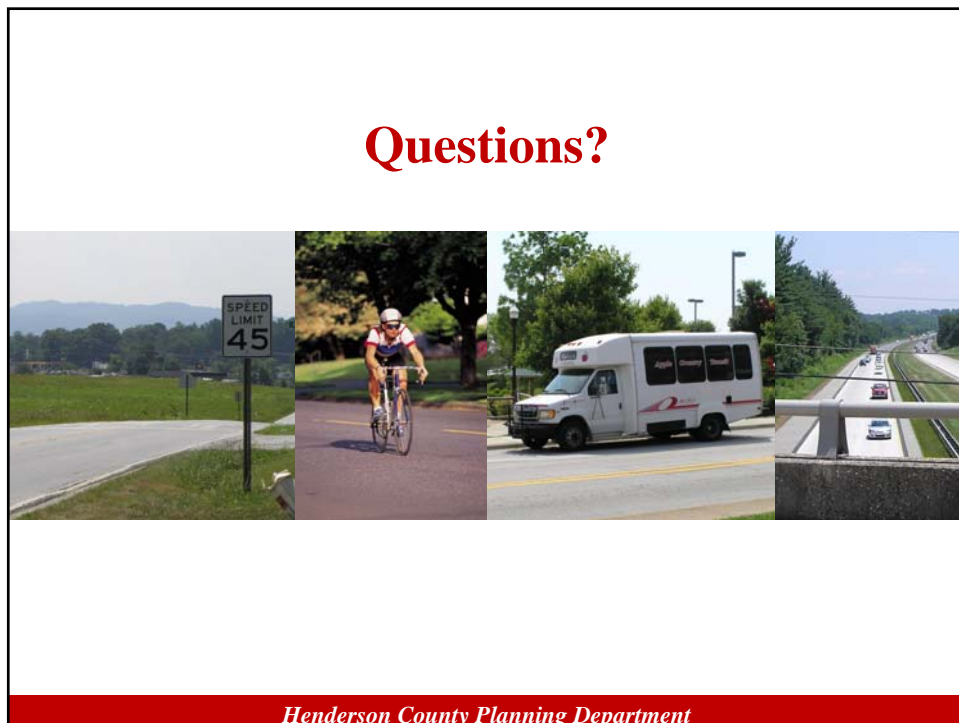
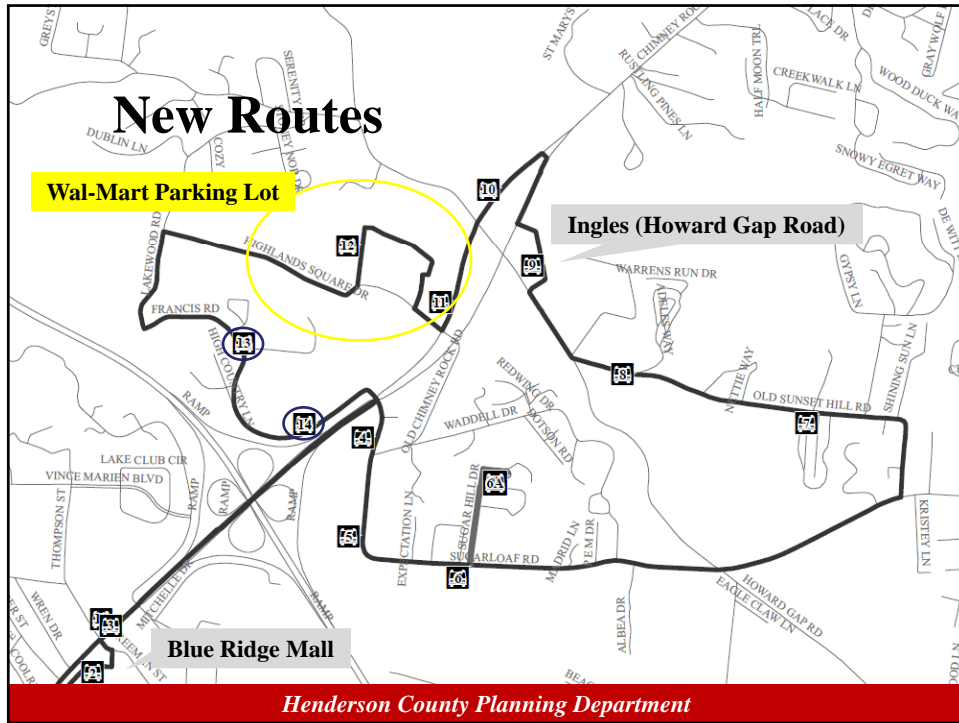
- a. Provide improved and more efficient service;
- b. Prevent overcrowding on the White Route bus during peak periods;
- c. Alleviate timing concerns on the Red Route buses;
- d. Serve stops at 2nd and 7th Avenues with both Red and White Routes;
- e. Align Red Route in a more north-south service area; and
- f. Align White Route in a more east-west service area.

Effective date of January 3, 2012 (1st day of service in new year)

Drop-in informational session November 30, 2011 from 10:00 a.m. to 5:30 p.m. at Kaplan Auditorium

Henderson County Planning Department





State Transportation Improvement Program (STIP) Projects for Henderson County FY 2012 – FY 2018

Table 1. Projects in Henderson County At or Nearing Completion (Funds Expended)

ID Number	Route	Description	Length (miles)	From	To	Status	Funds	Total Cost	Prior Years Cost
TD-6109	NC 280	Facility - Park & Ride	-	-	-	-	FUZST US	480,000	480,000
U-4428	US 64	Widen to 3 Lanes	1	US 25	Blythe Street (SR 1180)	Under Construction	-	10,333,000	10,333,000
R-0505	US 25	US 25, NC 225 Upgrade to Freeway near Zirconia	2.8	-	-	-	-	27,530,000	27,530,000
R-5109	Blue Ridge Parkway	Repair Slope Erosion, Retaining walls and Pavement	-	-	-	Under Construction by National Park Service	-	103,000	103,000
R-5210	Blue Ridge Parkway	Repair Asphalt Roadway and Slide at Section 2S Near Milepost 400	-	-	-	Under Construction by National Park Service	-	4,500,000	4,500,000
U-5191	St. John's Road	Construct Sidewalks	-	-	-	Under Construction	-	391,000	391,000
U-5183	-	Construct New Route to Supplement US 64 Widening	-	-	-	Right-of-way in Progress	-	393,000	393,000
U-5184	-	Cane Creek Greenway Construction (Fletcher)	-	-	-	Under Construction	-	265,000	265,000
U-5180	-	CNG Fueling Station in Hendersonville	-	-	-	In Progress	-	641,000	641,000

Table 2. Interstate 26 Improvements in Henderson County

ID Number	Description	Length (miles)	From	To	Status	Funds	Total Cost	Prior Years Cost	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY Unfunded
I-5501	Diverging Diamond Interchange at NC 280/I-26	-	-	-	-	IM (Interstate Maintenance)	4,100,000	0	100,000	4,000,000	-	-	-	-	-	-	-	-
I-5005	Pavement Rehabilitation	16.2	Mile Marker 37.1	Upward Road	Asphalt Complete	IMPM (Interstate Preventative Maintenance)	29,541,000	22,597,000	868,000	868,000	868,000	868,000	868,000	868,000	868,000	868,000	-	-
I-5324	Pavement Rehabilitation	10.1	Mile Marker 51	Mile Marker 61	-	IMPM (Interstate Preventative Maintenance)	4,300,000	0	-	-	-	-	4,300,000	-	-	-	-	-
I-5214	Interstate Maintenance	-	-	-	-	IMPM (Interstate Preventative Maintenance)	4,890,000	489,000	489,000	489,000	489,000	489,000	489,000	489,000	489,000	489,000	489,000	-
I-4400	Widen to add additional lanes	13.6	US 25	NC 280	-	NHS (National Highway System) & IM (Interstate Maintenance)	113,254,000	1,654,000	-	-	-	-	-	-	3,000,000	-	27,149,000	81,451,000
	I-4400 A	-	US 25	US 64	-	NHS (National Highway System) & IM (Interstate Maintenance)	39,770,000	0	-	-	-	-	-	-	1,000,000	-	9,692,000	29,078,000
	I-4400 B	-	US 64	US 25 Business	-	NHS (National Highway System) & IM (Interstate Maintenance)	39,770,000	0	-	-	-	-	-	-	1,000,000	-	9,692,000	29,078,000
	I-4400 C	-	US 25 Business	NC 280	-	NHS (National Highway System) & IM (Interstate Maintenance)	32,060,000	0	-	-	-	-	-	-	1,000,000	-	7,765,000	23,295,000

Expenditure Type: Right-of-way Mitigation Construction Garvey Construction Mitigation & Construction Right-of-Way and Construction

State Transportation Improvement Program (STIP) Projects for Henderson County FY 2012 – FY 2018

Table 3. Other Road, Intersection, and Transit Projects in Henderson County

ID Number	Route	Description	Length (miles)	From	To	Status	Funds	Total Cost	Prior Years Cost	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY Unfunded
R-4430	Upward Rd (SR 1783)	Widen and Improve Roadway	2.7	US 176	Howard Gap Rd (SR 1006)	Under Construction	STP (Surface Transportation Program)	45,522,000	36,248,000	9,274,000	-	-	-	-	-	-	-	-	-
R-5207	Howard Gap Rd (SR 1006)	Upgrade Roadway	7	US 64	Bridge 440020	R-O-W in Progress	State	23,532,000	8,000,000	8,432,000	7,100,000	-	-	-	-	-	-	-	-
	R-5207 A	Upgrade Roadway	7	Bridge 440020	Jackson Rd (SR 1539)	R-O-W in Progress	State			32,000	7,100,000	-	-	-	-	-	-	-	-
	R-5207 B	Upgrade Roadway	7	US 64	Jackson Rd (SR 1539)	R-O-W in Progress	State			8,400,000	-	-	-	-	-	-	-	-	-
U-5105	-	Improve Intersection of Erkwood Drive (SR 1164) & Shepherd Street (SR 1779)	-	-	-	R-O-W in Progress	STP (Surface Transportation Program)	3,200,000	1,700,000	1,500,000	-	-	-	-	-	-	-	-	-
U-5192	-	Construct Transit Center in Hendersonville	-	-	-	-	STPDA (Surface Transportation Program Direct Attributable) 1,672,000 & C (City) 481,000	2,090,000	0	-	-	-	2,090,000	-	-	-	-	-	-

Table 4. Bridge Replacement Projects in Henderson County

ID Number	Route	Description	Status	Funds	Total Cost	Prior Years Cost	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY Unfunded
Various	Various	Bridge Replacements	-	-	8,524,000	2,019,000	1,250,000	2,070,000	1,225,000	800,000	500,000	-	60,000	600,000	-	-

Table 5. Pedestrian and Bike Improvement Projects in Henderson County

ID Number	Description	Length (miles)	From	To	Status	Funds	Total Cost	Prior Years Cost	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY Unfunded
EB-4408	Oklawaha Greenway	1.2	Jackson Park	Patton Park	Under Construction	-	400,000	400,000	-	-	-	-	-	-	-	-	-	-
EB-5537	Oklawaha Greenway	-	Patton Park	Balfour Road	-	STPEB (Surface Transportation Program, Enhancements (Bike))	700,000	-	-	-	-	700,000	-	-	-	-	-	-
EB-4726	US 64 W Bikeways/Greenways	-	US 25 S	South Allen Rd (SR 1756)	Scheduled for Feasibility Study	-	-	-	-	-	-	-	-	-	-	-	-	-
EB-4727	Fletcher Greenway Phases IB, II, and III	-			Scheduled for Feasibility Study	-	-	-	-	-	-	-	-	-	-	-	-	-

Expenditure Type: Right-of-way Mitigation Construction Garvey Construction Mitigation & Construction Right-of-Way and Construction