

Transportation Advisory Committee Meeting Notice & Agenda

Wednesday, March 19, 2014 4:00 p.m. to 5:30 p.m.

King Street Meeting Room 100 North King Street Hendersonville, NC 28792

Call to Order/Welcome

Public Comment

Discussion/Adjustment of Agenda

Discussion

1. Henderson County CTP Project Complete Streets Cross Section Selection Matthew Cable (30 min)

Routine Updates

2.	NCDOT Projects	Steve Cannon, NCDOT (5 min)
3.	Municipal Representatives	Representatives (5 min)
4.	FBRMPO TCC Meeting Review/Board Meeting Preview	Matthew Cable (5 min)

Adjournment

CHAIR

Renee Kumor Phone: 828.692.7640

Email: rkumor@morrisbb.net

VICE-CHAIRMAN

Jim Crafton Phone: 828.329.0203

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STAFF

Matthew Cable Phone: 828.694.6557

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Henderson County believes it is the right of all citizens to participate. All persons with disabilities that need auxiliary aid should contact the Secretary to the Planning Board at (828) 697-4819, at least 48 hours prior to the meeting.

Henderson County Transportation Advisory Committee Meeting



Wednesday, March 19, 2014 Prepared by: Matthew Cable, AICP, Transportation Planner

Henderson County Planning Department

Complete Streets Consideration

- The FBRMPO asked the Henderson County TAC to review existing projects identified by the region's Comprehensive Transportation Plan and assign these projects NCDOT defined complete streets crosssections.
- The Henderson County TAC requested each jurisdiction review its projects and bring recommendations back to the TAC at a special called March 2014 meeting.

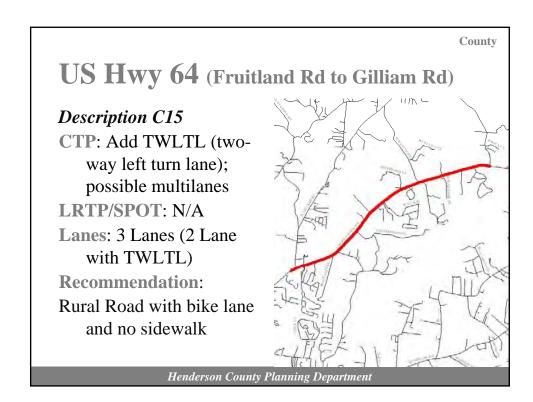
For Reference: Complete Street Cross Section Quick Comparison Table 1

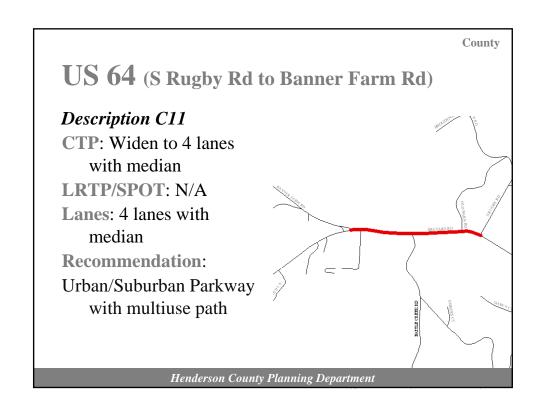
Table 1: Two-Lane Street Segments									
Type of 2 Lane Street	Speeds	Bike Lanes	Sidewalks	Parking/ Transit Zone	Sharrows	Multi- Use Path	Notes		
Rural Road	Varied	Y	Y	N	Y	Y			
Urban/Suburban Main Street	Low (Generally < 35 mph)	Y	Y	Y	Y	N	Noted difference from Rural Village Main Street: Bike Lane Width Prescribed		
Rural Village Main Street	Low (Generally < 35 mph)	N	Y	Y	Y	N	Noted difference from Urban/Suburban Main Street: Bike Lane Width Prescribed		
Rural Avenue	Low (Generally < 35 mph)	Y	Y	N	N	N	Noted difference from Urban/Suburban Avenue: Access Zone (not included), Green Zone Widths, and Speeds		
Local Subdivision Street: Residential	Low (Generally < 35 mph)	Y	Y	Y	Y	N			
Local/Subdivision Street: Office, Commercial and Industrial	Low (Generally < 35 mph)	N	Y	Y	N	N			

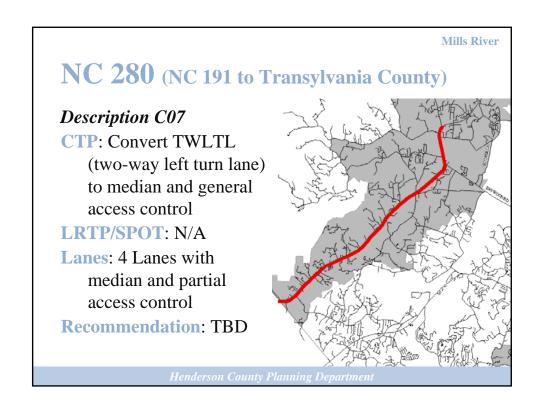
Henderson County Planning Department

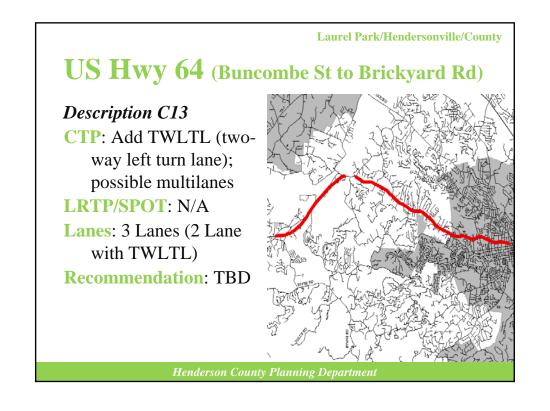
For Reference: Complete Street Cross Section Quick Comparison Table 2

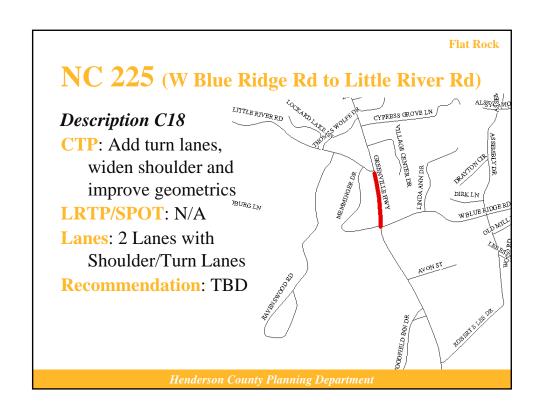
Table 2: Four-Lane Street Segments								
Type of 4 Lane Street	Speeds	Bike Lanes	Sidewalks	Parking/ Transit Zone	Sharrows	Multi -Use Path	Notes	
Urban/Suburban Parkway	Moderate (35 mph +) to High	N	N	N	N	Y	Noted difference from Rural Parkway: Median Zone (smaller)	
Rural Parkway	Moderate (35 mph +) to High	N	N	N	N	Y	Noted difference from Rural Parkway: Median Zone (larger)	
Urban/Suburban Boulevard	Moderate (35 mph to 55 mph)	Y	Y	N	N	N	Noted difference from Rural Boulevard: Median Zone (smaller) and Green Zone (smaller)	
Rural Boulevard	Moderate (35 mph to 55 mph)	Y	Ŷ	N	N	N	Noted difference from Urban/Suburban Boulevard: Median Zone (larger) and Green Zone (larger)	
Urban/Suburban Avenue	Low (Generally > 35 mph)	Ÿ	Y	Ϋ́	Y	N	Noted difference from Rural Avenue: Access Zone (included), Green Zone Widths, and Speeds	

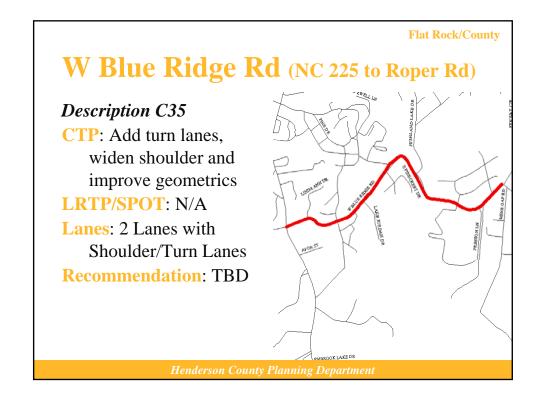


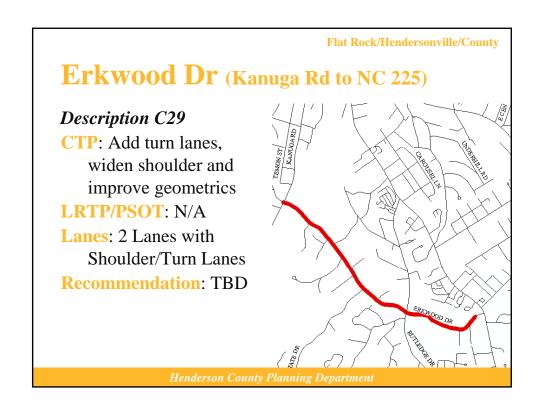


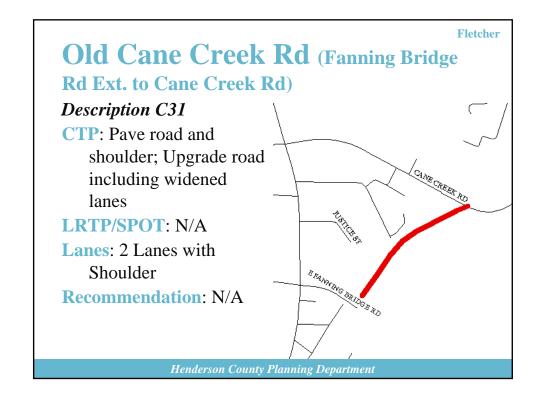


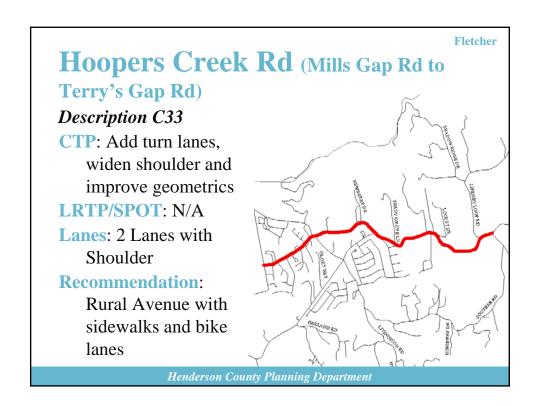


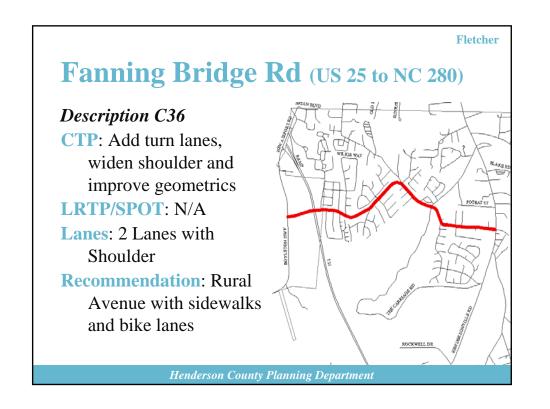












Old Airport Rd/Mills Gap Rd

(US 25 to Hoopers Creek Rd)

Description C32b

CTP: Widen to 3 lanes,
widen shoulder and improve geometrics

LRTP/SPOT: N/A

Lanes: 3 Lanes with
Shoulder

Recommendation:
Local/Subdivision
Street (O,C,I) with bike lanes and sidewalks

Henderson County Planning Department

Duncan Hill Rd (US 64 to N Main St)

Description C22

CTP: Add turn lanes, possibly TWLTL (twoway left turn lane), widen shoulder and improve geometrics

LRTP/SPOT: N/A

Lanes: 2 Lanes with shoulder, turn lanes

Recommendation: Rural

Avenue (C&G)



Hendersonville

Hendersonville

Berkeley Rd (N Main St to US 25 Business)

Description C23

CTP: Add turn lanes, possibly TWLTL (twoway left turn lane), widen shoulder and improve geometrics

LRTP/SPOT: N/A

Lanes: 2 Lanes with shoulder, turn lanes

Recommendation: Rural

Road with multiuse path



Henderson County Planning Department

Hendersonville

Lake Ave (Blythe St to Hebron Rd)

Description C25

CTP: Add turn lanes, widen shoulder and improve geometrics

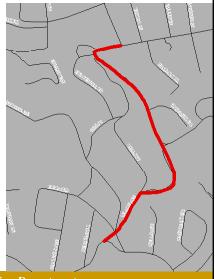
LRTP/SPOT: N/A

Lanes: 2 Lanes with shoulder, turn lanes

Recommendation: Local

Subdivision Street:

Residential



Hendersonville

Hebron Rd (Lake Ave to State St)

Description C26

CTP: Add turn lanes, widen shoulder and improve geometrics

LRTP/SPOT: N/A

Lanes: 2 Lanes with shoulder, turn lanes

Recommendation: Local Subdivision Street: Residential



Henderson County Planning Department

Hendersonville

NC 225 (US 176/US 25 Bus. to Erkwood Dr)

Description C17

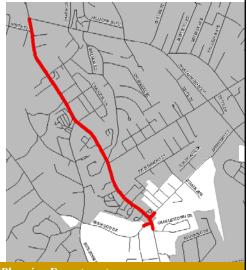
CTP: Add turn lanes, widen shoulder and improve geometrics; possible multilanes

LRTP/SPOT: N/A

Lanes: 2-3 lane with shoulder, turn lanes

Recommendation: Rural Avenue with curb &

gutter



US 64 (Howard Gap Rd to Fruitland Rd)

Description C08

CTP: Convert TWLTL (twoway left turn lane) to median and general access control

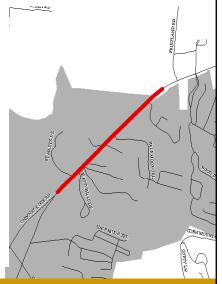
LRTP/SPOT: N/A

Lanes: 4 Lanes with median and partial access control

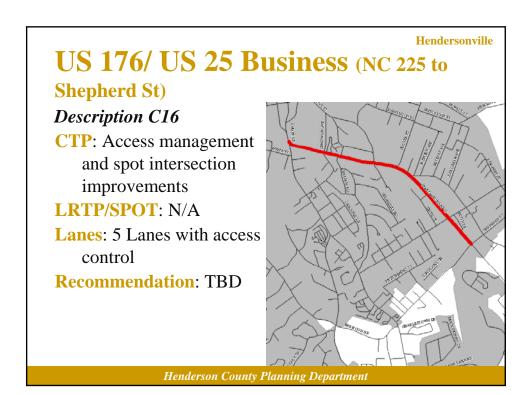
Recommendation:

Urban/Suburban Parkway (C&G)

Henderson County Planning Department



Hendersonville



Shepherd St/Airport Rd (NC 225 to

Tracy Grove Rd)

Description C20

CTP: Realign at New Hope Rd; Add turn lanes, widen shoulder and improve geometrics

LRTP/SPOT: N/A

Lanes: 2 Lanes with shoulder, turn lanes

Recommendation: Rural Road (with comments)

Henderson County Planning Department



Hendersonville/County

Tracy Grove Rd (Airport Rd to Dana Rd)

Description C21

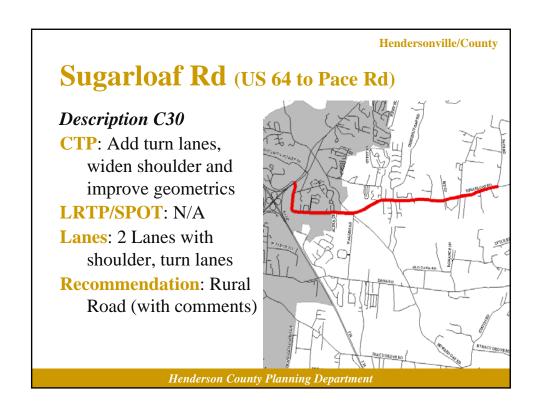
CTP: Add turn lanes, widen shoulder and improve geometrics

LRTP/SPOT: N/A

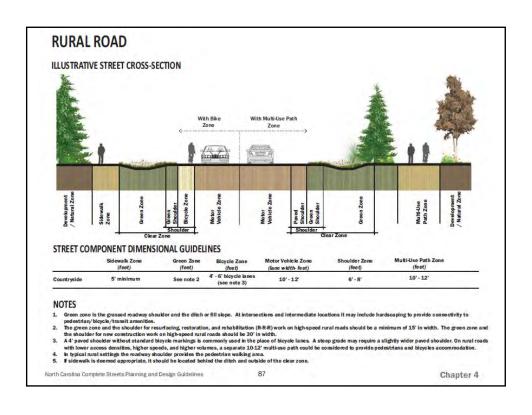
Lanes: 2 Lanes with shoulder, turn lanes

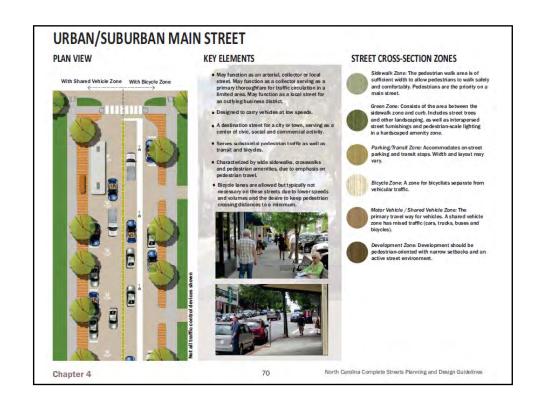
Recommendation: Rural Road (with comments)

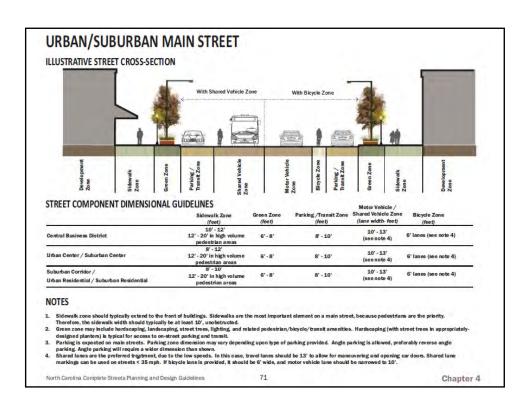


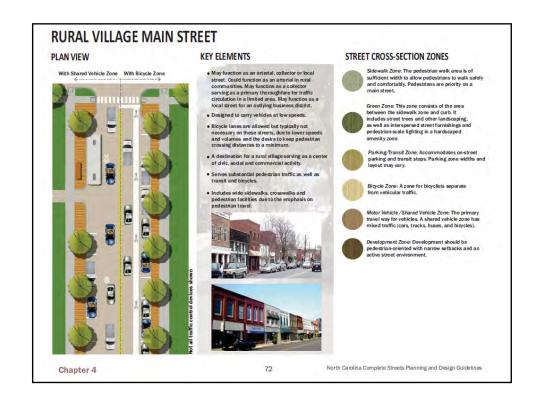


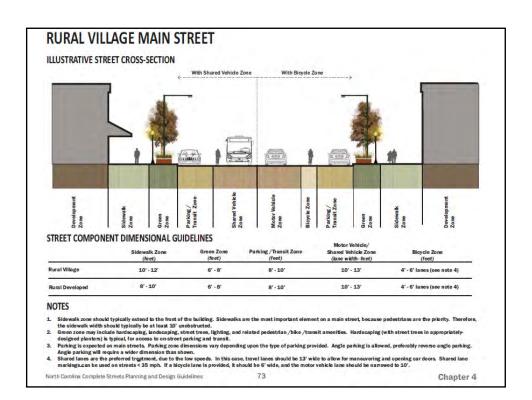




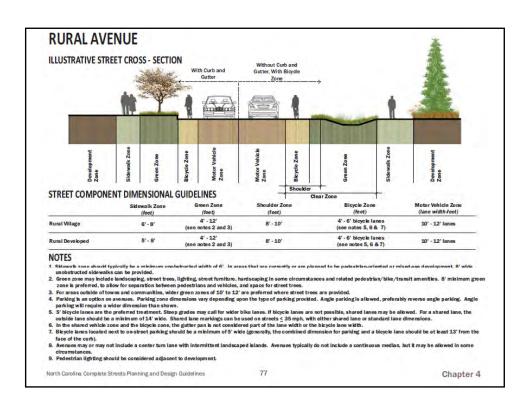




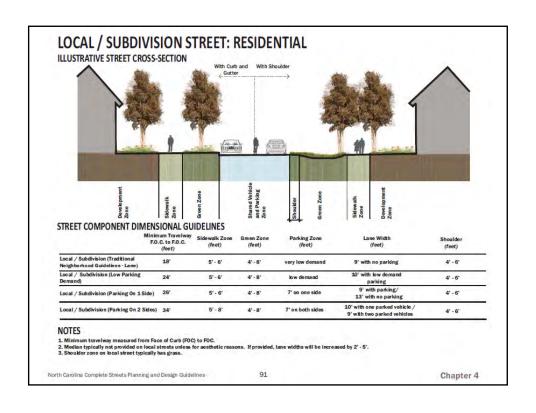




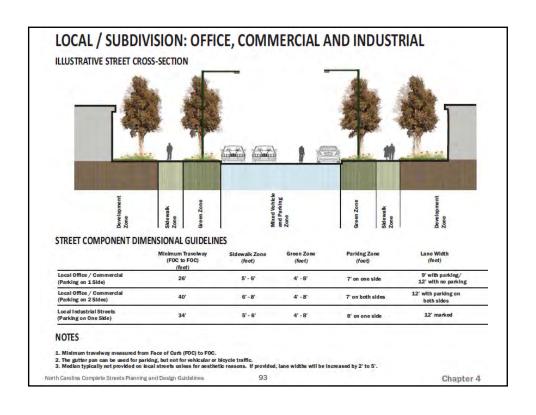


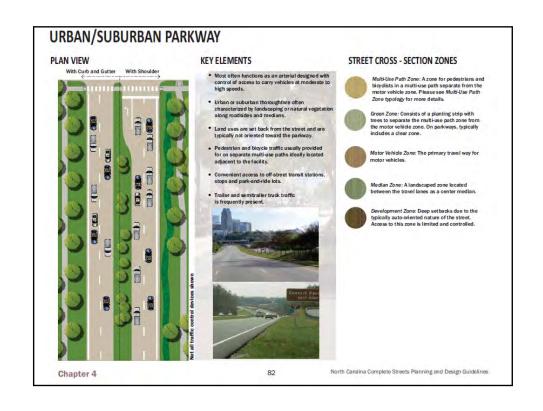


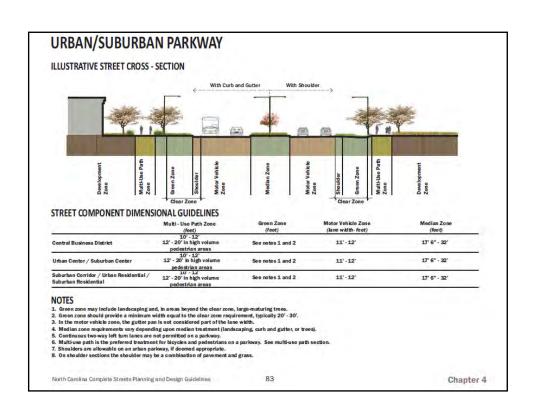


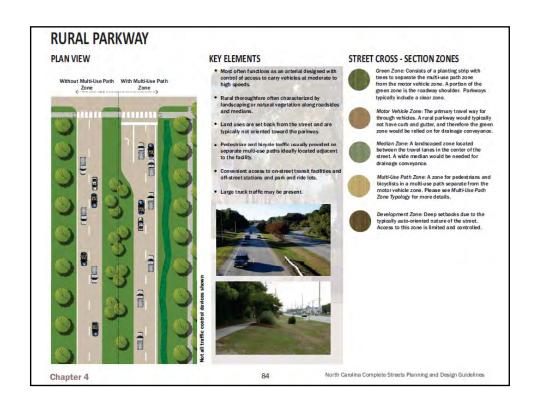


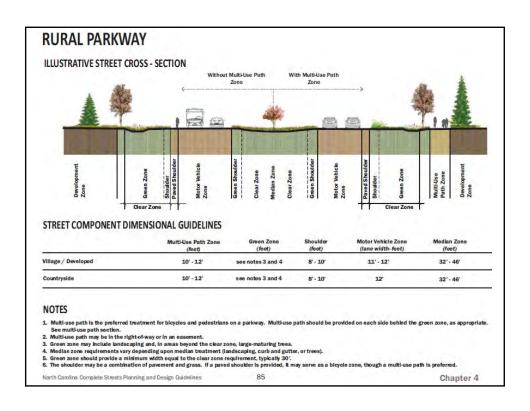


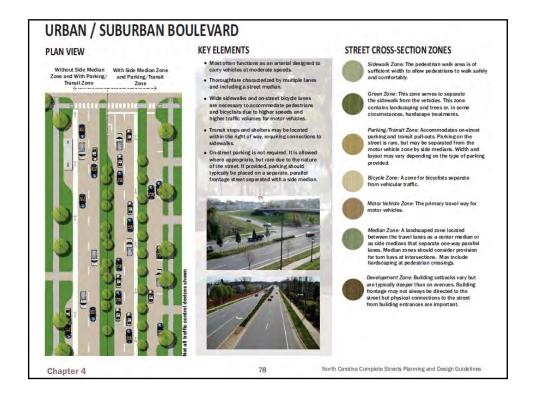


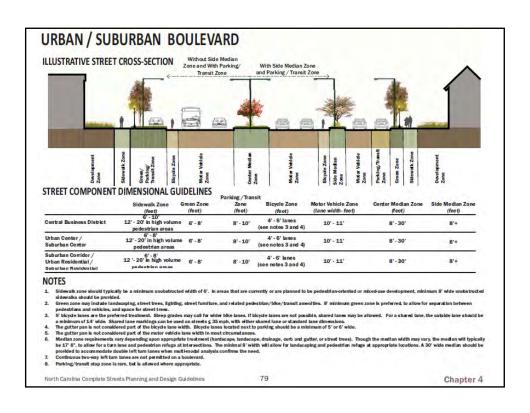


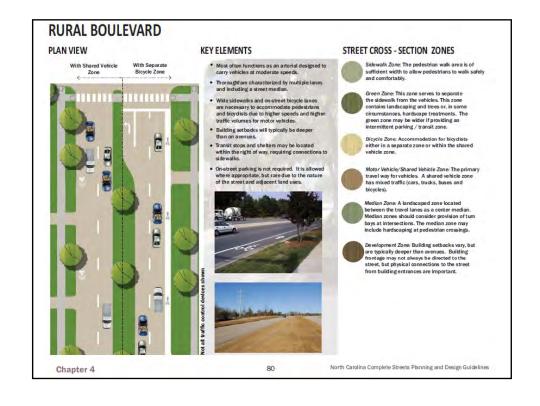


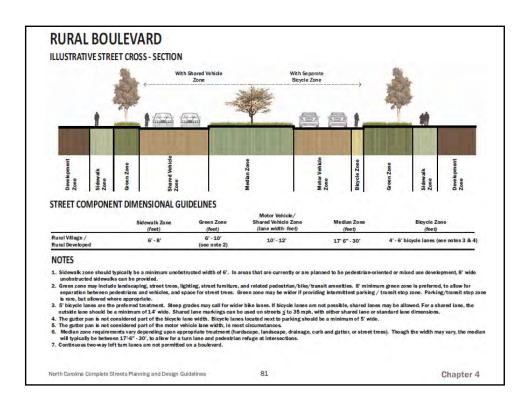


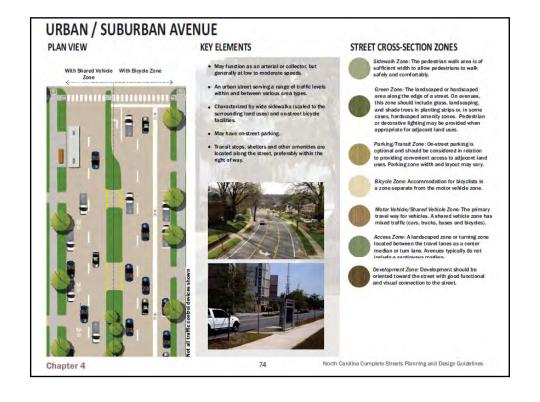


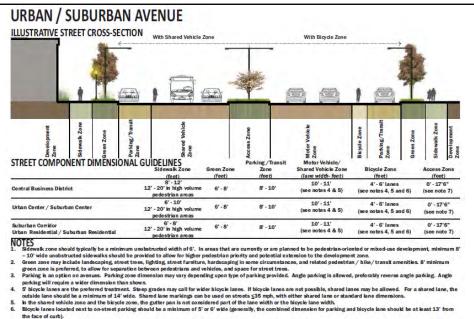












North Carolina Complete Streets Planning and Design Guidelines

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Chapter 4

CTP	Chrook	Jurisdiction(s)	Description	Long	Decomposed of Cuesa Section	Additional Comments
ID C15	Street US Hwy 64 (Fruitland Rd to Gilliam Rd)	County	Description Add TWLTL (two-way left turn lane); possible multilanes	Lanes 3 Lanes (2 Lane with TWLTL)	Recommended Cross Section Rural Road	Bike Lane; No Sidewalk
C11	US 64 (S Rugby Rd to Banner Farm Rd)	County	Widen to 4 lanes with median	4 lanes with median	Urban/Suburban Parkway	Multiuse Path (no bike lane or sidewalk)
C07	NC 280 (NC 191 to Transylvania County)	Mills River	Convert TWLTL (two-way left turn lane) to median and general access control	4 Lanes with median and partial access control	None Provided	Intend to make a recommendation following the completion of the existing NC 280 Study
C13	US Hwy 64 (Buncombe St to Brickyard Rd)	Laurel Park/ Hendersonville/ County	Add TWLTL (two-way left turn lane); possible multilane	3 Lanes (2 Lane with TWLTL)	Laurel Park— Hendersonville—Rural Road County—	Laurel Park— Hendersonville—Sidewalks & Bike Lane (Urban) County—Suggests wait for information from Laurel Park
C18	NC 225 (W Blue Ridge Rd to Little River Rd)	Flat Rock	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with Shoulder/Turn Lanes	Flat Rock—	Flat Rock—
C35	W Blue Ridge Rd (NC 225 to Roper Rd)	Flat Rock/ County	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with Shoulder/Turn Lanes	Flat Rock— County—Rural Road	Flat Rock— County—Bike Lane; No Sidewalk
C29	Erkwood Dr (Kanuga Rd to NC 225)	Flat Rock/ Hendersonville/ County	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with Shoulder/Turn Lanes	Flat Rock— Hendersonville—Rural Road County—	Flat Rock— Hendersonville—Sidewalks (Urban) County—Suggests a recommendation on the cross section be made only after the bicycle and pedestrian elements are addressed in the Erkwood/Shepherd realignment project
C31	Old Cane Creek Rd (Fanning Bridge Rd Ext. to Cane Creek Rd)	Fletcher	Pave road and shoulder; Upgrade road including widened lanes	2 Lanes with Shoulder	None	Now under Town Maintenance
C33	Hoopers Creek Rd (Mills Gap Rd to Terry's Gap Rd)	Fletcher	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with Shoulder	Rural Avenue	Priority 1: Sidewalks, Priority 2: Bike Lanes Staff recommends a traffic light study at the Hooper's Creek Rd/ Burney Mountain Rd /Souther Rd Intersection
C36	Fanning Bridge Rd (US 25 to NC 280)	Fletcher	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with Shoulder	Rural Avenue	Priority 1: Sidewalks Priority 2: Bike lanes
C32b	Old Airport Rd/Mills Gap Rd (US 25 to Hoopers Creek Rd)	Fletcher/ County	Widen to 3 lanes, widen shoulder and improve geometrics	3 Lanes with Shoulder	Fletcher & County— Local/Subdivision Street: Office, Commercial, Industrial	Fletcher & County—Priority 1: Bike Lanes; Priority 2: Sidewalks
C22	Duncan Hill Rd (US 64 to N Main St)	Hendersonville	Add turn lanes, possibly TWLTL (two- way left turn lane), widen shoulder and improve geometrics	2 Lanes with shoulder, turn lanes	Rural Avenue	Curb and Gutter
C23	Berkeley Rd (N Main St to US 25 Business)	Hendersonville	Add turn lanes, possibly TWLTL (two- way left turn lane), widen shoulder and improve geometrics	2 Lanes with shoulder, turn lanes	Rural Road	Multi-use Path
C25	Lake Ave (Blythe St to Hebron Rd)	Hendersonville	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with shoulder, turn lanes	Local Subdivision Street: Residential	
C26	Hebron Rd (Lake Ave to State St)	Hendersonville	Add turn lanes, widen shoulder and improve geometrics	2 Lanes with shoulder, turn lanes	Local Subdivision Street: Residential	
C17	NC 225 (US 176/US 25 Bus. to Erkwood Dr)	Hendersonville	Add turn lanes, widen shoulder and improve geometrics; possible multilanes	2-3 lane with shoulder, turn lanes	Rural Avenue	Curb and Gutter
C08	US 64 (Howard Gap Rd to Fruitland Rd)	Hendersonville	Convert TWLTL (two-way left turn lane) to median and general access control	4 Lanes with median and partial access control	Urban/Suburban Parkway	Curb and Gutter
C16	US 176/ US 25 Business (NC 225 to	Hendersonville	Access management and spot intersection improvements	5 Lanes with access control	No Recommendation Agreed Upon	

CT						
ID	Street	Jurisdiction(s)	Description	Lanes	Recommended Cross Section	Additional Comments
C20	Shepherd St/Airport Rd (NC 225	Hendersonville/	Realign at New Hope Rd; Add turn	2 Lanes with Shoulder, turn lanes	Hendersonville/County—	Hendersonville—Sidewalks (Urban area)
	to Tracy Grove Rd)	County	lanes, widen shoulder and improve		Rural Road	County—Sidewalks from NC225 to E Gilbert St; No bike lanes, sidewalks,
			geometrics			sharrows or multiuse path for the remainder of the project length
C21	Tracy Grove Rd (Airport Rd to	Hendersonville/	Add turn lanes, widen shoulder and	2 Lanes with Shoulder, turn lanes	Hendersonville/County—	Hendersonville—Multi-use Path (Urban area)
	Dana Rd)	County	improve geometrics		Rural Road	County—No bike lanes, sidewalks, sharrows or multiuse path for the remainder
						of the project
C30	Sugarloaf Rd (US 64 to Pace Rd)	Hendersonville/	Add turn lanes, widen shoulder and	2 Lanes with shoulder, turn lanes	Hendersonville/County—	Hendersonville—Sidewalks (Urban area)
		County	improve geometrics		Rural Road	County—Sidewalks to end at intersection with Howard Gap Road; No bike
						lanes, sidewalks, sharrows or multiuse path for the remainder of the project

Complete Street Cross Section Quick Comparison Tables

Table 1: Two-Lane Street Segments										
Type of 2 Lane Street	Speeds	Bike Lanes	Sidewalks	Parking/ Transit Zone	Sharrows	Multi- Use Path	Notes			
Rural Road	Varied	Y	Y	N	Y	Y				
Urban/Suburban Main Street	Low (Generally < 35 mph)	Y	Y	Y	Y	N	Noted difference from Rural Village Main Street: Bike Lane Width Prescribed			
Rural Village Main Street	Low (Generally < 35 mph)	N	Y	Y	Y	N	Noted difference from Urban/Suburban Main Street: Bike Lane Width Prescribed			
Rural Avenue	Low (Generally < 35 mph)	Y	Y	N	N	N	Noted difference from Urban/Suburban Avenue: Access Zone (not included), Green Zone Widths, and Speeds			
Local/Subdivision Street: Residential	Low (Generally < 35 mph)	Y	Y	Y	Y	N				
Local/Subdivision Street: Office, Commercial and Industrial	Low (Generally < 35 mph)	N	Y	Y	N	Z				

Table 2: Four-Lane Street Segments										
Type of 4 Lane Street	Speeds	Bike Lanes	Sidewalks	Parking/ Transit Zone	Sharrows	Multi -Use Path	Notes			
Urban/Suburban Parkway	Moderate (35 mph +) to High	N	N	N	N	Y	Noted difference from Rural Parkway: Median Zone (smaller)			
Rural Parkway	Moderate (35 mph +) to High	N	N	N	N	Y	Noted difference from Rural Parkway: Median Zone (larger)			
Urban/Suburban Boulevard	Moderate (35 mph to 55 mph)	Y	Y	N	N	N	Noted difference from Rural Boulevard: Median Zone (smaller) and Green Zone (smaller)			
Rural Boulevard	Moderate (35 mph to 55 mph)	Y	Y	N	N	N	Noted difference from Urban/Suburban Boulevard: Median Zone (larger) and Green Zone (larger)			
Urban/Suburban Avenue	Low (Generally > 35 mph)	Y	Y	Y	Y	N	Noted difference from Rural Avenue: Access Zone (included), Green Zone Widths, and Speeds			