

Appendix B: Newport Bicycle Facility Options Matrix

Covington + Newport Bicycle Transportation Study September 2023		Existing Conditions										Proposed Design Criteria <i>(Based on NACTO All Ages & Abilities Bicycle Facilities Guide)</i>					Recommendation	
		State Route	Width (Curb to Curb)	1-Way or 2-Way	Number of Travel Lanes	Speed Limit (MPH)	Traffic Counts (ADT)	On-Street Parking	Two-Way Protected Bike Lane	One-Way Protected Bike Lane	Conventional Bike Lane	Bicycle Boulevard	Alternative Concepts / Configurations	Priority	Bicycle Network			
Riverboat Row / Riverfront Commons	N	-24'	2-way	2	25 MPH	-	no parking	N/A too narrow	N/A need return route	N/A need return route	Implement Bike Boulevard / Traffic Calming Measures	Advisory Bike Lanes; (1) 14' bi-directional travel lane, (2) 5' advisory bike lanes	1	Arterial				
Southgate Ave / Brighton St	Y/N	-	-	-	-	-	-	-	-	-	-	Incorporate Shared Use Path into Ovalion / 4th St Bridge Plans	2	Collector				
	Y	-42'	2-way	4 (w/ turn lanes)	25 MPH	5,891	no parking	N/A	N/A	N/A	N/A Traffic too high	E-Extend Shared Use Path to Central Ave	1	Arterial				
	Y	-40'	1-way (EB)	4 (w/ turn lanes)	30 MPH	5,891	no parking	Remove 1 travel lane, (3) 10' travel/turn lanes, 2' buffer, 8' bike lanes	Remove 1 travel lane, (3) 10' travel/turn lanes, 4' buffer, 6' bike lane <i>(WB return route on 4th St)</i>	Remove 1 travel lane, (3) 11' travel/turn lanes, 7' bike lane <i>(WB return route on 4th St)</i>	N/A Traffic too high	-	1	Arterial				
5th Street	Y	-40'	1-way (EB)	2 (w/ turn lane)	25 MPH (55 York to Monmouth)	5,891 Columbia to York, 3,424 York to Monmouth	both sides	Remove 1 travel lane; (1) 12' travel lane, (2) 7' parking lane, 4' buffer, 10' bike lanes	Remove 1 travel lane; (1) 12' travel lane, (2) 7' parking lanes, 5' buffer, 7' bike lane <i>(WB return route on 4th St)</i>	Remove 1 travel lane, (2) 7' parking lanes, 6' bike lane <i>(WB return route on 4th St)</i>	N/A Traffic too high	Remove 1 Parking Lane; (2) 10' travel lanes, 7' parking lane, 3' buffer, 10' bike lanes	1	Arterial				
	N	-35'	1-way (EB)	2	25 MPH (Washington to Saratoga, 30 to Monmouth)	3,424	both sides	Remove 1 travel lane; (1) 11' travel lane, (2) 8' parking lanes, 3' buffer, 8' bike lanes	Remove 1 travel lane; (1) 11' travel lane, (2) 8' parking lanes, 3' buffer, 7' bike lane <i>(WB return route on 4th St)</i>	Remove 1 travel lane, (2) 7' parking lanes, 7' bike lane <i>(WB return route on 4th St)</i>	N/A Traffic too high	Delineate contraflow bike lane for WB traffic	1	Arterial				
Hamlet Alley	N	30'	1-way (EB)	1	25 MPH	-	both sides	Remove 1 parking lane; 10' travel lane, 7' parking lane, 3' buffer, 10' bike lanes	Remove 1 parking lane; 10' travel lane, 9' parking lane, 3' buffer, 7' bike lane <i>(WB return route on 4th St)</i>	N/A	Implement Bike Boulevard / Traffic Calming Measures	Delineate contraflow bike lane for WB traffic	1	Arterial				
	N	19'	2-way	1	15 MPH (25 7th to 8th)	-	-	N/A	N/A	N/A	N/A	Implement Green Alley & Bikeway Signage	2	Arterial				
	N	-10'	2-way	1	-	-	-	N/A	N/A	N/A	N/A	Implement Green Alley & Bikeway Signage	2	Collector				
Waters Alley	N	12' - 15'	2-way	1	25 MPH (Hamlet to Park), 15 (Park to Providence)	-	-	N/A	N/A	N/A	N/A	Implement Green Alley & Bikeway Signage	2	Arterial				
Providence Way	N	-29'	2-way	2 (No CL)	25 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	Construct Shared Use Path on NE side of Providence Way	2	Arterial				
Oak St Corridor	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Construct Shared Use Path	2	Arterial				
	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Construct Shared Use Path	2	Arterial				
Kentucky Alley	N	-15'	2-way	1	25 MPH	-	-	N/A	N/A	N/A	N/A	Implement Green Alley & Bikeway Signage	2	Arterial				
Wildcat Drive	N	-21' at 9th; -30' at I-471	2-way	2 (No CL)	-	1,448	no parking	Reconfigure sidewalk and construct Shared Use Path	N/A need return route	N/A	Implement Bike Boulevard / Traffic Calming Measures	Convert alley to Shared Use Path	2	Arterial				
Arnold Alley	N	-15'	2-way	1	15 MPH	-	-	N/A	N/A	N/A	N/A	Implement Green Alley & Bikeway Signage	2	Collector				
	N	38'	2-way	2	25 MPH	3,084 (Monmouth to Washington)	both sides	Remove 1 parking lane; (2) 10.5' travel lanes, 7' parking lane, 3' buffer, 7' bike lane	Remove 1 parking lane; (2) 10.5' travel lanes, 7' parking lane, 3' buffer, 7' bike lane <i>(EB return route on 5th St)</i>	Remove 1 parking lane; (2) 12' travel lanes, 7' parking lane, 7' bike lane <i>(EB return route on 5th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	Reconfigure sidewalk and connect to Bellevue's Danmervey Shared Use Path	N/A	Alternative				
6th Street	N	38'	2-way	2	25 MPH	5,960	both sides	Remove 1 parking lane; (2) 10.5' travel lanes, 7' parking lane, 3' buffer, 8' bike lanes <i>(EB return route on 5th St)</i>	Remove 1 parking lane; (2) 10.5' travel lanes, 7' parking lane, 3' buffer, 8' bike lanes <i>(EB return route on 5th St)</i>	N/A Traffic too high	N/A Traffic too high	Reconfigure sidewalk and connect Bellevue's Danmervey Shared Use Path	N/A	Alternative				
	N	30'	2-way	2	25 MPH	5,690	south side only	Remove 1 parking lane; (2) 10' travel lanes, 2' buffer, 8' bike lanes	Remove 1 parking lane; (2) 10' travel lanes, 3' buffer, 7' bike lane <i>(need return route)</i>	N/A Traffic too high	N/A Traffic too high	Reconfigure sidewalk and connect to Bellevue's Danmervey Shared Use Path	1	Arterial				
	N	29'	1-way (WB)	1	25 MPH	-	both sides	Remove 1 parking lane; 11' foot travel lane, 7' parking lane, 3' buffer, 8' bike lanes	Remove 1 parking lane; 11' travel lane, 9' parking lane, 3' buffer, 6' bike lane <i>(EB return route on 8th St)</i>	10' travel lane, (2) 7' parking lane, 5' bike lane <i>(EB return route on 8th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	Delineate contraflow bike lane for EB traffic	2	Collector				

These concepts were produced using NACTO design standards and require further study for engineering feasibility and design.

Appendix B: Newport Bicycle Facility Options Matrix

Covington + Newport Bicycle Transportation Study September 2023		Existing Conditions											Proposed Design Criteria <i>(Based on NACTO All Ages & Abilities Bicycle Facilities Guide)</i>					Recommendation	
		Street	Blocks / Street Section	State Route	Width (Curb to Curb)	1-Way or 2-Way	Number of Travel Lanes	Speed Limit (MPH)	Traffic Counts (ADT)	On-Street Parking	Two-Way Protected Bike Lane	One-Way Protected Bike Lane	Conventional Bike Lane	Bicycle Boulevard	Alternative Concepts / Pavement Markings	Priority	Bicycle Network		
																		Target ADT = 3,000-6000+	Target ADT = 3,000-6000+
7th Street	Central Ave to Columbia St	N	24'	1-way (WB)	1	25 MPH	-	both sides	Remove 2 parking lanes; 10' foot travel lane, 3' foot buffer, 12' bike lane	3' Buffer, 5-7' lanes Target ADT = 3,000-6000+	Remove 2 parking lanes; 12' foot travel lane, 3' foot buffer, 7' bike lane <i>(EB return route on 6th St)</i>	10' travel lane, (2) 7' parking lanes, 6 bike lane <i>(EB return route on 8th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	2	Collector				
																Delineate contraflow bike lane for EB traffic			
8th Street	Brighton to Kentucky Alley	N	30'	1-way (WB)	1	25 MPH	-	both sides	Remove 1 parking lane; 10' foot travel lane, 7' parking lane, 3' buffer, 10' bike lanes	11' travel lane, 9' parking lane, 3' buffer, 7' bike lane <i>(EB return route on 6th St)</i>	10' travel lane, (2) 7' parking lanes, 6 bike lane <i>(EB return route on 8th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	2	Collector					
															Delineate contraflow bike lane for EB traffic				
9th Street	KY 9 to Brighton St	N	-45'	2-way	2 (No CL)	25 MPH	-	both sides	Remove 1 parking lane; 10' foot travel lanes, 7' parking lane, 3' buffer, 10' bike lanes	11' travel lane, 9' parking lane, 3' buffer, 7' bike lane <i>(EB return route on 6th St)</i>	10' travel lane, (2) 7' parking lanes, 6 bike lane <i>(EB return route on 8th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	N/A	Alternative					
10th Street	Brighton St to Wildcat Dr	N	40'	2-way	2 (No CL)	25 MPH	-	both sides	Remove 1 parking lane; 10' foot travel lanes, 7' parking lane, 3' buffer, 10' bike lanes	11' travel lane, 9' parking lane, 3' buffer, 7' bike lane <i>(EB return route on 6th St)</i>	10' travel lane, (2) 7' parking lanes, 6 bike lane <i>(EB return route on 8th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	N/A	Alternative					
10th Street	KY 9 to York St	N	40'	2-way	2 (No CL)	25 MPH	-	both sides	Remove 1 parking lane; 10' foot travel lanes, 7' parking lane, 3' buffer, 10' bike lanes	11' travel lane, 9' parking lane, 3' buffer, 7' bike lane <i>(EB return route on 6th St)</i>	10' travel lane, (2) 7' parking lanes, 6 bike lane <i>(EB return route on 8th St)</i>	Implement Bike Boulevard / Traffic Calming Measures	1	Arterial					
10th Street	York St to Monroe	Y	40'	2-way	2	30 MPH	5,224 York to Monmouth; 10,748 Monmouth to Monroe	both sides	Remove 1 parking lane; 10' travel lanes, 7' parking lane, 3' buffer, 10' bike lanes	N/A traffic too high	N/A traffic too high	N/A traffic too high	N/A traffic too high	1	Arterial				
E 11th St	Monroe St to Pavilion Pkwy	Y	-48'	2-way	3 (2WB, 1EB)	30 MPH (Monroe to Park), 35 (Park to Pavilion Pkwy)	10,748	south side only	Remove 1 (WB) travel lane; (2) 10' travel lanes, 9' parking lane, 3' buffer, 12' bike lanes	N/A need return route	N/A need return route	N/A need return route and high traffic	N/A traffic too high	1	Arterial				
11th Street / Girl Scout Bridge	Saratoga to Monmouth	N	-41'	2-way	3 (2WB, 1EB)	25 MPH	1,589	north side only	Remove 1 (WB) travel lane; (2) 10' travel lanes, 7' parking lane, 3' buffer, 12' bike lanes	N/A need return route	N/A need return route	N/A need return route	Implement Bike Boulevard / Traffic Calming Measures	1	Arterial				
12th Street	Brighton St to Prospect St	Y	56' (Deck = 62.5)	2-way	4	30 MPH	14,549	no parking	(3) 12' travel lanes, 6' shoulder space, 2' jersey barrier, 12' bike lanes	N/A alignment issues on Covington side	N/A traffic too high	N/A traffic too high	N/A traffic too high	1	Arterial				
12th Street	KY 9 to Central Ave	Y	-40'	2-way	2	30 MPH (Brighton to Patterson), 25 (Patterson to Central)	2,230	both sides	Remove 1 parking lane; (2) 10' travel lanes, 7' parking lane, 3' buffer, 10' bike lanes	N/A need return route	N/A need return route	N/A need return route	Implement Bike Boulevard / Traffic Calming Measures	2	Arterial				
Saratoga Street	3rd St to 11th St (12' In-scope median)	N	-47' (curb to curb); (-45' ROW)	2-way	2 (w/ median)	25 MPH (50' Southgate to 5th)	-	both sides	Reconfigure roadway, median, and sidewalks; (2) 10' travel lanes, (2) 7' parking lanes, (2) 5' sidewalks, 8' bike lanes, 10' tree lawn	N/A high parking impacts south of 6th St	N/A high parking impacts south of 6th St	N/A high parking impacts south of 6th St	Implement Bike Boulevard / Traffic Calming Measures	1	Arterial				
Monroe Street	5th St to 6th St	N	30'	2-way	2 (No CL)	25 MPH	-	both sides	N/A too narrow	N/A need return route	N/A need return route	N/A need return route	Implement Bike Boulevard / Traffic Calming Measures	N/A	Alternative				
Monmouth Street	6th St to 10th St	N	36'	2-way	2 (No CL)	25 MPH	-	both sides	Remove 1 parking lane; (2) 10' travel lanes, 7' parking lane, 3' buffer, 8' bike lanes	N/A need return route	N/A need return route	N/A need return route	Implement Bike Boulevard / Traffic Calming Measures	N/A	Alternative				
York Street	3rd St to 11th St	Y	40'	1-way (NB)	2/3 (w/ turn lanes)	30 MPH (5rd to 5th), 25 (5th to 11th), 40 (to Newport Border)	7,109	both sides	Remove 1 travel lane; (1) 12' travel lane, (2) 8' parking lanes, 3' buffer, 9' bike lanes	N/A traffic too high	N/A traffic too high	N/A traffic too high	N/A traffic too high	N/A	Alternative				
Central Avenue	3rd to 11th St	N	- 40'	1-way (SB)	2	25 MPH	4,229	both sides	Remove 1 travel lane; (1) 12' travel lane, (2) 8' parking lanes, 3' buffer, 9' bike lanes	N/A traffic too high	N/A traffic too high	N/A traffic too high	N/A traffic too high	N/A	Alternative				
Central Avenue	5th St to 12th St	N	40'	2-way	2 (No CL)	25 MPH (30 MPH 4th to James)	1,736	both sides	Remove 1 parking lane; (2) 10' travel lanes, (1) 7' parking lane, 3' buffer, 10' bike lanes	Implement Bike Boulevard / Traffic Calming Measures	Implement Bike Boulevard / Traffic Calming Measures	Implement Bike Boulevard / Traffic Calming Measures	Implement Bike Boulevard / Traffic Calming Measures	N/A	Alternative				

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			State Route	Width (Curb to Curb)	1-Way or 2-Way	Number of Travel Lanes	Speed Limit (MPH)	Traffic Counts (ADT)	On-Street Parking	Two-Way Protected Bike Lane	One-Way Protected Bike Lane	Conventional Bike Lane	Bicycle Boulevard	Alternative Concepts / Configurations
Isabella Street		5th St to 12th St	- 38	2-way	2 (No CL)	25 MPH	-	both sides	3' Buffer, 6-12' lanes (two-way) Target ADT = 3,000-6000+	3' Buffer, 5-7' lanes Target ADT = 3,000-6000+	Less than or equal to 25 MPH Target ADT = 1,500-3,000	Traffic Calming, Signage, Pavement Markings Target ADT = 0-3,000	1 = High Priority 2 = Medium Priority 3 = Low Priority	
Brighton Street		12th to 10th	40'	2-way	2 (No CL)	25 MPH	2,331	both sides	Remove 1 parking lane; (2) 10' travel lanes, 7' parking lanes, 3' buffer, 6' bike lane (return route on Central Ave)	Remove 1 parking lane; (2) 10' travel lanes, 7' parking lanes, 3' buffer, 6' bike lane (return route on Central Ave)	(2) 10' travel lanes, (2) 7' parking lanes, 4' bike lane (return route on Central Ave)	Implement Bike Boulevard / Traffic Calming Measures	N/A	Alternative
KY 9 / Lowell Street		5th St to 11th St	- 62'	2-way	4 (w/ median)	35 MPH	7,385	no parking	N/A	N/A	Existing condition	N/A	3	Arterial
Pavillion Parkway		10th St to Chesapeake Ave - 10' wide landscape medians	- 58' (EB & WB) (3-6' including medians / center turn lane)	2-way	3	25 MPH	6,423	no parking	N/A	N/A	N/A	N/A	2	Arterial
Carothers Road		Chesapeake Ave to Carothers Rd	- 58'	2-way	3-5 (w/ turn lanes)	25 MPH	13,147	no parking	N/A	N/A	N/A	N/A	2	Arterial
Patterson Street / Wagon Bridge		Monmouth St to 1st intersection	- 47'	2-way	4-5 (w/ turn lanes)	40 MPH	18,546	no parking	N/A	N/A	N/A	N/A	3	Arterial
Grandview Avenue		12th St to Grandview Ave	- 27'	2-way	2	25 MPH	-	no parking	N/A	N/A	N/A	N/A	3	Arterial
Kentucky Drive		Patterson Ave to McHenry St	- 25'	2-way	2 no CL	35 MPH	< 1,000	no parking	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	1	Arterial
		McHenry St to W Broadway St	- 27'	2-way	2 no CL	35 MPH	< 1,000	no parking	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	1	Arterial
		W Broadway St to Kentucky Dr	- 25'	2-way	2 no CL	35 MPH	< 1,000	no parking	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	1	Arterial
		Grandview Ave to Caroline Ave	- 22'	2-way	2 no CL	35 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
		Caroline Ave to Cliffview Ave	- 25'	2-way	2 no CL	35 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
		Cliffview Ave to Bluegrass Ave	- 22'	2-way	2 no CL	35 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
Bluegrass Avenue		Kentucky Dr to 210 Bluegrass Ave	- 26'	2-way	2 no CL	25 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
		210 Bluegrass Ave to Bonnie Lane	- 25'	2-way	2 no CL	25 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
		Bonnie Ln to Electric Ave	- 26'	2-way	2 no CL	25 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
10th Street / Memorial Pkwy		Pavillion Pkwy to Wilson Rd	- 65' (Bridge deck = 76')	2-way	5 (w/ two-way left turn lane / median)	35 MPH	10,748	no parking	N/A	N/A	N/A	N/A	3	Arterial
Wilson Road		Memorial Pkwy to Waterworks Rd	- 30'	2-way	2	25 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial
Waterworks Road		Wilson Rd to Newport Border	- 30'	2-way	2	25 MPH	-	both sides	N/A	N/A	N/A	Implement Bike Boulevard / Traffic Calming Measures	3	Arterial