

## Appendix F. MOE Matrix

Segment Name	Alternative Code	Alternative Description	Bikeway type suitability? (Y/N)	Impact to curb location? (Y/N)	No. of Signalized Stops	No. of Unsignalized Stops	No. of Turns	No. of on-street parking spaces removed	Parking Removal > Available Capacity? (Y/N)	No. of Driveway Conflicts	No. of bus stops
Segment 1: Piney Branch Road	1A	10-foot multi-use path on south side	Y	N	2	0	2	0	N	0	0
	1B	4-foot two-way protected bike lanes on south side, 12-foot travel lanes	Y	N	2	0	2	0	N	0	0
	1C	5-foot two-way protected bike lanes on south side, 11-foot travel lanes	Y	N	2	0	2	0	N	0	0
	1D	Midblock crossing to connect existing one-way protected bike lanes to Segment 2 alternative	Y	N	2	1	2	7	N	0	0
	1E	5-foot curb extension, two-way 5-foot protected bike lanes with 6-foot sidewalk on south side	Y	Y	2	0	2	0	N	0	0
	1F	5-foot curb extension, 14-foot multi-use path on south side	Y	Y	2	0	2	0	N	0	0
Segment 2: Piney Branch Road to	2C	10-foot multi-use switchback ramp, retaining wall and 7,300 SF green space	Y	N	0	0	0	0	N	0	0

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Chestnut Street	2D	10-foot multi-use switchback ramp, retaining wall and 8,300 SF green space	Y	N	0	0	0	0	N	0	0
Segment 2: Piney Branch Road to Chestnut Street	2E	10-foot multi-use switchback ramp, staircase and 4,600 SF green space	Y	N	0	0	0	0	N	0	0
	2F	10-foot multi-use curvilinear path and 5,500 SF green space	Y	N	0	0	0	0	N	0	0
	2G	10-foot multi-use curvilinear path, staircase and 5,500 SF green space	Y	N	0	0	0	0	N	0	0
Segment 3: Chestnut Street	3A	Neighborhood bikeway	Y	N	1	1	3	0	N	9	0
Segment 4: Spring Place	4A	Neighborhood bikeway treatment with gateway	Y	N	0	1	2	16	Y	5	0
	4B	Woonerf with chokers	Y	Y	0	1	2	16	Y	5	0
	4C	Woonerf with chicanes	Y	Y	0	1	2	16	Y	5	0
	4D	Alley, maximum amenity space	Y	N	0	1	2	16	Y	5	0

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	4E	Alley, maximum green space	Y	N	0	1	2	16	Y	5	0
Segment 5: 343 Cedar Street	5A	10-foot multi-use path with 5-foot retaining wall (8.3% slope, max.)	Y	N	0	0	0	0	N	0	0
	5B	12-foot multi-use path with 6-foot retaining wall (8.3% slope, max.)	Y	N	0	0	0	0	N	0	0
	5C	12-foot multi-use path with 6-foot retaining wall along CSX embankment and 3-foot retaining wall along 343 Cedar Street property (5% slope, max.)	Y	N	0	0	0	0	N	0	0
Segment 6: Cedar Street and Blair Road Intersection	6A.1	Multi-use path north side (2 westbound lanes) with one-way crossings of Cedar Street	Y	Y	2	0	2	0	N	1	0
	6B.1	Multi-use path north side (2 westbound lanes) with two-way crossing of Cedar Street west of east crosswalk	Y	Y	2	0	2	0	N	1	0
	6C.1	Multi-use path north side (2 westbound lanes) with two-way crossing of Cedar Street east of east crosswalk	Y	Y	2	0	4	0	N	1	0

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	6D.1	Multi-use path north side (3 westbound lanes) with two-way crossing of Cedar Street and 12-ft eastbound offset	Y	Y	2	0	2	1	N	1	0
	6E.1	Multi-use path north side (3 westbound lanes) with two-way crossing of Cedar Street and 8-ft eastbound offset	Y	Y	2	0	2	1	N	1	0
	6F.1	Multi-use path north side (3 westbound lanes) with two-way crossing of Cedar Street and 4-ft eastbound offset	Y	Y	2	0	2	5	N	1	0
Segment 6: 4 <sup>th</sup> Street from Cedar Street to Butternut Street	6A.2	5-ft two-way protected bike lanes on the east side	Y	N	1	1	2	0	N	0	0
	6B.2	5-ft one-way bike lane on east and west sides	Y	N	1	1	2	0	N	0	1
Segment 6: 4 <sup>th</sup> Street from to Butternut Street to Aspen Street	6A.3	Neighborhood bikeway	Y	N	0	2	2	0	N	2	0
	6B.3	6-ft two-way protected bike lanes on the east side	Y	N	0	2	2	12	Y	2	0
	6C.3	6-ft one-way bike lanes on east and west sides	Y	N	0	2	2	23	Y	2	0

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Segment 6: 4th Street from Aspen Street to Whittier Street	6A.4	5-ft advisory bike lanes on east and west sides	Y	N	0	2	2	12	Y	5	0
	6B.4	Neighborhood bikeway	Y	N	0	2	2	0	N	5	0
	6C.4	2-way PBL, 1-way conversion	Y	N	0	2	2	12	Y	5	0
Segment 6: 4th Street from Whittier to Van Buren Street	6A.4	5-ft advisory bike lanes on east and west sides	Y	N	0	2	2	20	N	3	0
	6B.4	Neighborhood bikeway	Y	N	0	2	2	0	N	3	0
	6C.4	2-way PBL, 1-way conversion	Y	N	0	2	2	20	N	3	0
Segment 6: Butternut Street	6A.5	5-ft one-way bike lanes on north and south sides	N	N	1	1	2	0	N	1	0
	6B.5	Neighborhood bikeway	Y	N	1	1	2	0	N	1	1
Segment 6: Aspen Street	6A.6	5-ft one-way bike lanes on north and south sides	Y	N	1	1	2	0	N	6	0
	6B.6	Neighborhood bikeway	Y	N	1	1	2	0	N	6	0
Segment 6:	6A.7	5-ft advisory bike lanes on north and south sides	Y	N	0	2	2	22	Y	3	0

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Whittier Street	6B.7	Neighborhood bikeway	Y	N	0	2	2	0	N	3	0
	6C.7	10-ft multi-use path on the south side	Y	N	0	2	2	0	N	0	0
Segment 6: Van Buren Street	6A.8	5-ft advisory bike lanes on north and south sides	Y	N	1	1	2	13	N	1	0
	6B.8	Neighborhood bikeway	Y	N	1	1	2	0	N	1	0
	6C.8	7-ft contraflow bike lane on the north side	Y	N	1	1	2	13	N	1	0
	6D.8	5-ft two-way protected bike lanes on the north side	Y	N	1	1	2	13	N	1	0