

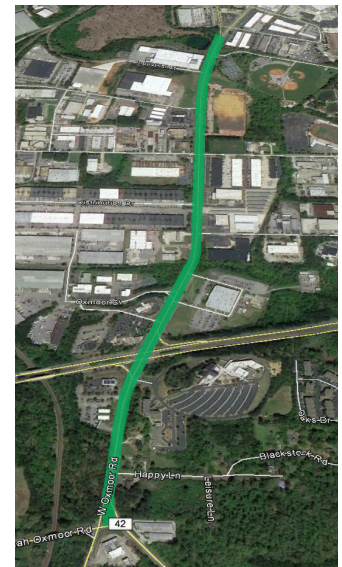
HOW TO USE THE B-ACTIVE PLAN

The B-ACTIVE Plan is semi-prescriptive in terms of facility guidance for proposed segments. The plan balances the desire to provide actionable recommendations against the desire to provide informed recommendations for each segment of the envisioned 850-mile network. Project feasibility is also largely determined by factors such as cost, existing conditions, roadway jurisdiction, and other factors that may change over time. Therefore, the plan does not assign a single improvement to each segment on the network but provides a detailed menu of options based on each segment’s land use context. This provides flexibility for each jurisdiction to construct facilities as feasible as possible and leaves specific facility selection and design to the judgment of local engineering staff.

For the purpose of recommending context-sensitive facility types, land uses across the region are divided into five categories: urban core, urban, suburban, rural, and rural town. The plan then provides a range of recommended facility types for each land use context and illustrates typical cross-sections. The following is a step-by-step guide for how to use the B-ACTIVE Plan for a specific project segment (using an example segment):

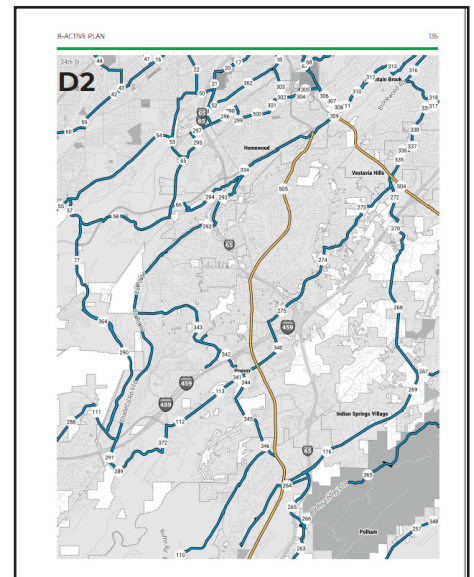
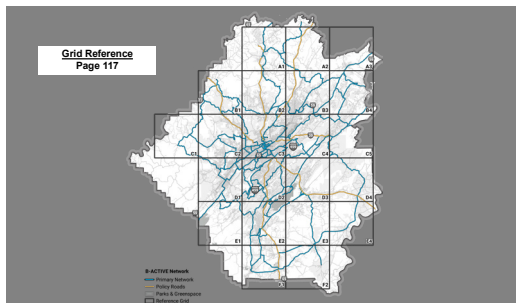
01 IDENTIFY YOUR PROJECT

The first step is to identify and find the project you are interested in. This example uses a segment of West Oxmoor Road in Birmingham and Homewood.



02 CONSULT APPENDIX C: PROJECT LISTS

Appendix C is comprised of two key tools for using the B-ACTIVE Plan: the Project List and the Study Area Network Maps. The first step is to consult the Study Area Network Map, which is gridded for ease of use in referencing specific areas. The example project on West Oxmoor Road is in Grid D2 and is assigned Project ID 65.



03 USE THE PROJECT DETAILS TO IDENTIFY THE LAND USE CONTEXT

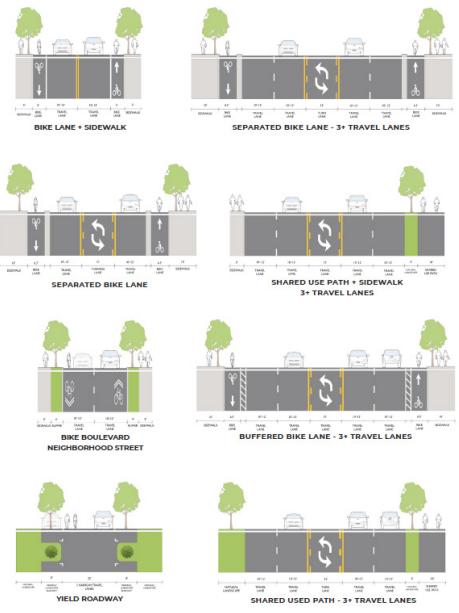
The Project List in Appendix C includes relevant project details such as jurisdiction, indicator score, project length, and land use context. The example project on West Oxmoor Road is in the Suburban land use context.

B-ACTIVE PLAN

Jurisdiction	Project ID	Project Roadways	Indicator Score	Project Length (mi)	Context	Grid ID
Birmingham	31	28th St N	7.25	0.33	Urban	C3-3, C3-4
Birmingham	32	30th St N/L, Southlawn Dr	6.88	2.97	Urban	C3-1, C3-2, C3-3, C3-4
Birmingham	39	8th Ave N/8th Ave W/State Rd 4	7.05	1.93	Urban	C3-3
Birmingham	40	18th St/8th Ave W/Bush Blvd/Bush Blvd W	5.14	2.79	Suburban	C3-3
Birmingham	41	12th St W/12th St W	6.42	1.34	Urban	C3-3
Birmingham	42	Pearson Ave SW	6.09	0.89	Urban	C3-3
Birmingham	43	18th St SW	6.00	0.51	Urban	C3-3
Birmingham	44	Avenue W	9.00	1.56	Urban	C3-3
Birmingham	46	Ave V	5.58	0.83	Urban	C3-5
Birmingham	47	Avenue W	5.16	1.53	Urban	C3-3
Birmingham	48	1st St/Paid Hwy	3.95	1.86	Suburban	D3
Birmingham	49	Daniel Payne Dr/Dugan Ave	3.87	2.01	Suburban	C3-1, C3-3
Birmingham	50	Demison Ave SW	7.00	1.07	Suburban	C3-3
Birmingham	52	RRRVT5 Proposed	7.00	1.01	Suburban	C3-3
Birmingham	54	Ishkoda Wenonah Rd	6.00	3.44	Suburban	D2
Birmingham	55	Barklee St/Wenonah Rd/Wenonah Rd SW	2.89	1.21	Suburban	D1, D2
Birmingham	57	Wenonah Omooor Rd	3.39	1.51	Suburban	D2
Birmingham	58	Wenonah Omooor Rd	3.89	2.06	Suburban	D2
Birmingham	59	31st St SW/Pearson Ave SW	4.58	1.03	Suburban	C3-3
Birmingham	61	Fire St	4.80	0.83	Suburban	C2
Birmingham	359	Norwood Blvd	6.73	1.25	Urban	C3-3, C3-4
Birmingham	360	1st Ave S	8.80	2.13	Urban	C3-4
Birmingham	361	7th Ave S	11.00	0.81	Urban	C3-4
Birmingham	362	Vulcan Trail	8.00	1.02	Suburban	C3-3, C3-4
Birmingham	373	1st Ave S	8.58	0.37	Urban	C3-4
Birmingham/Fairfield	45	Pike Rd/Valley Rd	5.41	1.96	Urban	C2, C3-3
Birmingham/Homewood	41	Montevallo Bl	4.20	1.83	Suburban	C3, D1, D2
Birmingham/Homewood	41	W Dimon Rd	4.22	2.20	Suburban	D2
Birmingham/Homewood	299	Valley Ave	6.00	0.89	Suburban	C3-3
Birmingham/Homewood	298	Valley Ave	6.00	0.13	Suburban	C3-3
Birmingham/Mondala	37	Georgia Rd	6.00	2.09	Urban	C3-4
Birmingham/Jefferson County	35	85th St N/85th St SE/Lake Blvd	4.19	2.15	Suburban	C3-2
Birmingham/Jefferson County	36	1st Ave S/4th Ave S/2nd St S	5.97	3.29	Urban	C3-2, C3-4

04 CONSULT APPENDIX D: FACILITY OPTIONS AND COSTS

Appendix D contains a range of typical cross-sections for all five of the land use contexts identified in the Plan, including the suburban context, which applies to the West Oxmoor Road example. There are X number of typical cross-sections that would best fit a suburban land use context. Therefore, local officials, planners, engineers, and stakeholders should work together to determine which specific type of facility will best fit a project. Once a facility type is selected, a rough project cost can be estimated using the detailed tables in Appendix D: Facility Options and Costs that provide a planning level cost estimate of facility cost per project mile. These cost estimates are intended to be used purely as a guide in initial project selection or for budgeting purposes. For more information visit www.B-ACTIVEPlan.com



12' SHARED USE PATH (4' BUFFER) WITH NO CURB AND GUTTER					
ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST	COST PER LINEAR FOOT
12' ASPHALT (110 LB/SQ YD)	TON	323	\$125	\$40,375.00	\$7.65
12' PLANNING	SQ YD	7040	\$4	\$28,160.00	\$5.33
SOLID SODDING	SQ YD	2347	\$10	\$23,470.00	\$4.45
TOPSOIL (4" THICK)	CU YD	259	\$50	\$12,950.00	\$2.45
EARTHWORK	CU YD	783	\$33	\$27,459.00	\$5.19
5" STRIPING	MILE	1	\$4,000	\$4,000.00	\$0.76
SIGNING	EACH	11	\$400	\$4,400.00	\$0.83
MAILBOX RELOCATION	EACH	11	\$250	\$2,750.00	\$0.52
ITEM TOTAL				\$143,510.00	\$27.18
LUMP SUM ITEMS	UNIT	QUANTITY	UNIT COST	TOTAL COST	COST PER LINEAR FOOT
TRAFFIC CONTROL	LS	1	1% OF ITEM TOTAL	\$1,435.10	\$0.27
EROSION CONTROL	LS	1	2% OF ITEM TOTAL	\$2,870.20	\$0.54
GEOMETRIC CONTROLS	LS	1	0.5% OF ITEM TOTAL	\$717.55	\$0.14
MOBILIZATION	LS	1	10% OF ITEM TOTAL	\$14,351.00	\$2.72
LUMP SUM TOTAL				\$19,373.85	\$3.67
30% CONTINGENCY				\$48,865.16	\$9.25
TOTAL ESTIMATED COST				\$211,749.01	\$40.10

