

APPENDIX D: STANDARDIZED RULE-BASED CLASSIFICATION TABLES FOR LTS METHODS

SUMMARY OF APPROACH

A 'rules table' was developed for each LTS method; each row in a table represents one rule. These rules can be conceptualized as conditional statements. Columns except the right-most column specify the names of variables that participate in each conditional statement. The right-most column specifies the LTS value associated with each statement being true. If the statement is false, no value is recorded. All conditional statements (rows) are evaluated for each street segment, and potential LTS values (those associated with true statements) are stored. Finally, the segment is assigned the largest available LTS value.

To enable creation and editing of the conditional rules outside of a coding environment, a special syntax was developed to specify four types of tests:

1. Direct equivalence (e.g., `segment_value equals specified_value`)
 - Specified with single value (e.g., 1)
2. Presence within a range (e.g., `segment_value is within specified_range`)
 - Specified with a double hyphen (e.g., 1--15)
 - Ranges are inclusive of both minimum and maximum values
 - Double hyphen prevents spreadsheet software (e.g., Excel) from misinterpreting as subtraction
3. Presence within a list (e.g., `segment_value is any of [specified_value_a, specified_value_b, specified_value_c]`)
 - Specified with brackets (e.g., ['residential', 'living_street'])
 - Text values within lists must be bounded by quotes, similar to Python string definitions
4. Boolean equivalence (`segment_value == TRUE`)
 - Specified with TRUE or FALSE
 - Truth and falsity are tested according to Python conditional rules:
 - Numeric values of 0 are considered false; all other numbers are true
 - Empty strings (e.g., "") are considered false; all other strings are true

Variables with blank cells for a given rule are excluded from evaluation of that rule.

A Python script was developed to automatically parse each row into a conditional statement, retrieve

necessary values for each street segment, evaluate each statement, and identify the greatest available LTS value for each street segment.

While this approach is not the most computationally inefficient, it allows all methods to be operationalized with consistently-structured and human-readable inputs, facilitating comparison between the methods and ready identification of which rules were responsible for final LTS outputs.

Not all rules listed in these tables may be strictly necessary. It might be possible to consolidate rules or remove rules that have no potential influence on LTS outputs in order to improve computational efficiency. These adjustments were made where they were obvious, but focused primarily on translating the original classification tables into the rule-based format as precisely as possible while retaining a reasonable level of coordination between the original and rule-based structure (e.g., it is possible to identify the origin of a rule in the original classification tables).

Conveyal Rules

Classification Summary

					City								
					Portland					Austin			
Data Source					Audit	OSM		Local		Audit	OSM		
Sample					Audited (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)	
osm_highway	lanes	speed_limit	bike_lane	LTS									
1	['residential', 'living_street']			1	34%	34%	68%	34%	68%	29%	29%	68%	
2	['unclassified', 'tertiary']	0--3	0--25	2	17%	17%	8%	7%	3%	2%	2%	2%	
3	['unclassified', 'tertiary']	0--3	26--999	TRUE	2	9%	9%	3%	11%	3%	17%	21%	5%
4	['unclassified', 'tertiary']	0--3	26--999	FALSE	3	8%	8%	7%	16%	12%	19%	17%	8%
5	['unclassified', 'tertiary']	4--999			3					3%	1%		
6	['secondary', 'primary', 'trunk']			TRUE	3	15%	16%	5%	13%	4%	24%	25%	4%
7	['secondary', 'primary', 'trunk']			FALSE	4	17%	16%	9%	19%	10%	7%	6%	13%

Furth Rules

Classification Summary

										City		Portland					Portland			
										Data Source	Audit		OSM			Local		Audit	OSM	
										Sample	Audited (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)		
bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS											
1	FALSE		FALSE		0--750	0--24				1										
2	FALSE		FALSE		0--750	25--29				1					1%					
3	FALSE		FALSE		0--750	30--34				2				1%						
4	FALSE		FALSE		0--750	35--39				2										
5	FALSE		FALSE		0--750	40--44				3										
6	FALSE		FALSE		0--750	45--49				3										
7	FALSE		FALSE		0--750	50--999				3										
8	FALSE		FALSE		751--1500	0--24				1	10%	10%	14%	12%	3%					
9	FALSE		FALSE		751--1500	25--29				1	24%	25%	54%	16%	59%	20%	29%	69%		
10	FALSE		FALSE		751--1500	30--34				2								1%		
11	FALSE		FALSE		751--1500	35--39				3										
12	FALSE		FALSE		751--1500	40--44				3										
13	FALSE		FALSE		751--1500	45--49				3										
14	FALSE		FALSE		751--1500	50--999				4										
15	FALSE		FALSE		1501--3000	0--24				2										
16	FALSE		FALSE		1501--3000	25--29				2				1%	1%					
17	FALSE		FALSE		1501--3000	30--34				2				1%						
18	FALSE		FALSE		1501--3000	35--39				3										
19	FALSE		FALSE		1501--3000	40--44				4										
20	FALSE		FALSE		1501--3000	45--49				4										

Classification Summary

	bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS	City								
											Data Source					Portland		Portland	
											Audit	OSM		Local		Audit	OSM		
											Sample (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)	
21	FALSE		FALSE		1501--3000	50--999				4									
22	FALSE		FALSE		3001--999999	0--24				2	2%			1%					
23	FALSE		FALSE		3001--999999	25--29				3	5%			2%	1%	1%			
24	FALSE		FALSE		3001--999999	30--34				3	11%			7%	3%	8%			
25	FALSE		FALSE		3001--999999	35--39				3	2%			1%	2%	3%			
26	FALSE		FALSE		3001--999999	40--44				4									
27	FALSE		FALSE		3001--999999	45--49				4									
28	FALSE		FALSE		3001--999999	50--999				4									
29	FALSE		TRUE	1	0--750	0--24				1									
30	FALSE		TRUE	1	0--750	25--29				1									
31	FALSE		TRUE	1	0--750	30--34				2									
32	FALSE		TRUE	1	0--750	35--39				2									
33	FALSE		TRUE	1	0--750	40--44				3									
34	FALSE		TRUE	1	0--750	45--49				3									
35	FALSE		TRUE	1	0--750	50--999				3									
36	FALSE		TRUE	1	751--1500	0--24				2									
37	FALSE		TRUE	1	751--1500	25--29				2					7%				
38	FALSE		TRUE	1	751--1500	30--34				2									
39	FALSE		TRUE	1	751--1500	35--39				3									
40	FALSE		TRUE	1	751--1500	40--44				3									
41	FALSE		TRUE	1	751--1500	45--49				3									

Classification Summary

										City		Portland					Portland				
										Data Source	Audit		OSM			Local		Audit		OSM	
										Sample	Audited (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)			
bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS												
42	FALSE		TRUE	1	751--1500	50--999			4												
43	FALSE		TRUE	1	1501--3000	0--24			2												
44	FALSE		TRUE	1	1501--3000	25--29			3												
45	FALSE		TRUE	1	1501--3000	30--34			3												
46	FALSE		TRUE	1	1501--3000	35--39			3												
47	FALSE		TRUE	1	1501--3000	40--44			4												
48	FALSE		TRUE	1	1501--3000	45--49			4												
49	FALSE		TRUE	1	1501--3000	50--999			4												
50	FALSE		TRUE	1	3001--999999	0--24			3		1%	1%									
51	FALSE		TRUE	1	3001--999999	25--29			3	6%	12%	5%				1%					
52	FALSE		TRUE	1	3001--999999	30--34			3	4%	16%	6%			17%	35%	9%				
53	FALSE		TRUE	1	3001--999999	35--39			3			1%			1%	2%	1%				
54	FALSE		TRUE	1	3001--999999	40--44			4												
55	FALSE		TRUE	1	3001--999999	45--49			4												
56	FALSE		TRUE	1	3001--999999	50--999			4												
57	FALSE		TRUE	2	0--8000	0--24			3												
58	FALSE		TRUE	2	0--8000	25--29			3	3%	3%	1%	7%	5%	1%						
59	FALSE		TRUE	2	0--8000	30--34			3	2%	7%	2%	12%	8%	2%	2%	2%				
60	FALSE		TRUE	2	0--8000	35--39			3				2%	1%							
61	FALSE		TRUE	2	0--8000	40--44			4												
62	FALSE		TRUE	2	0--8000	45--49			4							1%					

Classification Summary

	bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS	City								
											Data Source					Portland		Portland	
											Audit	OSM		Local		Audit	OSM		
											Sample (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)	
63	FALSE		TRUE	2	0--8000	50--999				4									
64	FALSE		TRUE	2	8001--999999	0--24				3									
65	FALSE		TRUE	2	8001--999999	25--29				3	1%	3%	1%	3%	1%				
66	FALSE		TRUE	2	8001--999999	30--34				4	4%	7%	2%	9%	2%		2%		
67	FALSE		TRUE	2	8001--999999	35--39				4	1%	1%	3%	1%	1%	3%	16%	4%	
68	FALSE		TRUE	2	8001--999999	40--44				4			1%						
69	FALSE		TRUE	2	8001--999999	45--49				4			1%					1%	
70	FALSE		TRUE	2	8001--999999	50--999				4								1%	
71	FALSE		TRUE	3--999		0--24				3		1%							
72	FALSE		TRUE	3--999		25--29				3	1%	3%							
73	FALSE		TRUE	3--999		30--34				4	1%	5%	2%	8%	3%	1%	3%		
74	FALSE		TRUE	3--999		35--39				4		3%	2%	3%	2%	2%	8%	9%	
75	FALSE		TRUE	3--999		40--44				4					1%				
76	FALSE		TRUE	3--999		45--49				4									
77	FALSE		TRUE	3--999		50--999				4								1%	
78	TRUE	FALSE	FALSE			0--29	6--999			1									
79	TRUE	FALSE	FALSE			30--34	6--999			2									
80	TRUE	FALSE	FALSE			35--39	6--999			2						2%			
81	TRUE	FALSE	FALSE			40--44	6--999			3									
82	TRUE	FALSE	FALSE			45--49	6--999			3									
83	TRUE	FALSE	FALSE			50--999	6--999			3									

Classification Summary

										City		Portland					Portland					
										Data Source		Audit		OSM			Local		Audit		OSM	
										Sample		Audited	Audited	All	Audited	All	Audited	Audited	All			
												(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)			
	bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS												
84	TRUE	FALSE	FALSE			0--29	4--5			2												
85	TRUE	FALSE	FALSE			30--34	4--5			2	1%											
86	TRUE	FALSE	FALSE			35--39	4--5			2												
87	TRUE	FALSE	FALSE			40--44	4--5			3												
88	TRUE	FALSE	FALSE			45--49	4--5			3												
89	TRUE	FALSE	FALSE			50--999	4--5			4												
90	TRUE	FALSE		1		0--29	6--999			1						1%						
91	TRUE	FALSE		1		30--34	6--999			2						2%						
92	TRUE	FALSE		1		35--39	6--999			2						2%						
93	TRUE	FALSE		1		40--44	6--999			3												
94	TRUE	FALSE		1		45--49	6--999			3												
95	TRUE	FALSE		1		50--999	6--999			3												
96	TRUE	FALSE		1		0--29	4--5			2												
97	TRUE	FALSE		1		30--34	4--5			2						3%						
98	TRUE	FALSE		1		35--39	4--5			2						1%						
99	TRUE	FALSE		1		40--44	4--5			3												
100	TRUE	FALSE		1		45--49	4--5			3												
101	TRUE	FALSE		1		50--999	4--5			4												
102	TRUE	FALSE		2		0--29	6--999			2	1%											
103	TRUE	FALSE		2		30--34	6--999			2						1%						
104	TRUE	FALSE		2		35--39	6--999			2						2%						

Classification Summary

	bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS	City							
											Portland					Portland		
											Audit	OSM		Local		Audit	OSM	
											Sample (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)
105	TRUE	FALSE		2		40--44	6--999			3								
106	TRUE	FALSE		2		45--49	6--999			3								
107	TRUE	FALSE		2		50--999	6--999			3								
108	TRUE	FALSE		2		0--29	4--5			2								
109	TRUE	FALSE		2		30--34	4--5			2	1%					1%		
110	TRUE	FALSE		2		35--39	4--5			2						1%		
111	TRUE	FALSE		2		40--44	4--5			3								
112	TRUE	FALSE		2		45--49	4--5			3								
113	TRUE	FALSE		2		50--999	4--5			4								
114	TRUE	FALSE		3--999		0--29				3								
115	TRUE	FALSE		3--999		30--34				3	1%					1%		
116	TRUE	FALSE		3--999		35--39				3	1%					7%		
117	TRUE	FALSE		3--999		40--44				4								
118	TRUE	FALSE		3--999		45--49				4						1%		
119	TRUE	FALSE		3--999		50--999				4								
120	TRUE	TRUE		1		0--29		15--999		1								
121	TRUE	TRUE		1		30--34		15--999		2	1%							
122	TRUE	TRUE		1		35--999		15--999		3								
123	TRUE	TRUE		1		0--29		12--14		2	1%							
124	TRUE	TRUE		1		30--34		12--14		2	4%					2%		
125	TRUE	TRUE		1		35--999		12--14		3						1%		

Classification Summary

										City								
										Portland				Portland				
										Audit	OSM		Local		Audit	OSM		
										Sample	Audited	Audited	All	Audited	All	Audited	Audited	All
										(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)	
bike_lane	parking_lane	center_line	lanes_per_direction	adt	speed_limit	bike_lane_width	parking_bike_width	oneway	LTS									
126	TRUE	TRUE		2--3			12--14		3	8%						2%		
127	TRUE	TRUE		2	0--29		15--999	FALSE	2				1%					
128	TRUE	TRUE		2	30--34		15--999	FALSE	3				4%	1%	1%			
129	TRUE	TRUE		2	35--999		15--999	FALSE	3				2%	1%				
130	TRUE	TRUE		2--3	0--29		15--999	TRUE	2				1%					
131	TRUE	TRUE		2--3	30--34		15--999	TRUE	3									
132	TRUE	TRUE		2--3	35--999		15--999	TRUE	3									
133	TRUE	TRUE		3				FALSE	3				1%					
134	TRUE	TRUE		4--999					3							1%		

Lowry Rules

Classification Summary

								City		Portland				Austin				
								Data Source		Audit		OSM		Local		Audit	OSM	
								Sample		Audited	Audited	All	Audited	All	Audited	Audited	All	
										(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)	
	residential	lanes	speed_limit	shared_lane	bike_lane	buffered_bike_lane	protected_bike_lane	LTS										
1	TRUE	1--2	1--25					1	38%	35%	68%	31%	64%	20%	29%	69%		
2	TRUE	1--2	26--34	TRUE				2										
3	TRUE	1--2	26--34		TRUE			1										
4	TRUE	1--2	26--34			TRUE		1										
5	TRUE	1--2	26--34				TRUE	1										
6	FALSE	1--2	1--25	TRUE				2	15%	10%	6%	10%	7%	8%				
7	FALSE	1--2	1--25		TRUE			1	4%	8%	2%	1%		1%	1%			
8	FALSE	1--2	1--25			TRUE		1				2%						
9	FALSE	1--2	1--25				TRUE	1						1%				
10		3	1--25	TRUE				2	1%									
11		3	1--25		TRUE			1	1%	1%		1%						
12		3	1--25			TRUE		1										
13		3	1--25				TRUE	1										
14		4--5	1--25	TRUE				3	1%	4%	1%							
15		4--5	1--25		TRUE			2		1%								
16		4--5	1--25			TRUE		2										
17		4--5	1--25				TRUE	1										
18		1--3	26--34	TRUE				3	17%	16%	7%	25%	12%	19%	17%	8%		
19		1--3	26--34		TRUE			2	15%	12%	2%	14%	3%	15%	19%	4%		
20		1--3	26--34			TRUE		2				2%		2%	3%	1%		

21		1--3	26--34				TRUE	1								1%		
22		6--999	1--25	TRUE				4										
23		6--999	1--25		TRUE			3										
24		6--999	1--25			TRUE		2										
25		6--999	1--25				TRUE	2										
26		4--999	26--34	TRUE				4	1%	2%	2%	2%	2%	2%	2%	1%		
27		4--999	26--34		TRUE			3	2%	5%	1%	2%	1%	2%	1%			
28		4--999	26--34			TRUE		2										
29		4--999	26--34				TRUE	2										
30		1--5	35--999	TRUE				4	2%	1%	6%	3%	7%	5%	4%	13%		
31		1--5	35--999		TRUE			3	2%	3%	4%	6%	3%	18%	21%	3%		
32		1--5	35--999			TRUE		3				1%	1%	4%	2%	1%		
33		1--5	35--999				TRUE	2										
34		6--999	35--999	TRUE				4										
35		6--999	35--999		TRUE			4										
36		6--999	35--999			TRUE		3										
37		6--999	35--999				TRUE	3										

Mekuria Rules

Classification Summary

																					City		Portland					Austin														
																					Data Source	Audit	OSM			Local		Audit	OSM													
																							Sample	Audit (n=633)	Audit (n=633)	All (n=30,487)	Audit (n=633)		All (n=30,487)	Audit (n=445)	Audit (n=445)	All (n=36,936)										
	bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS																					
1	TRUE	1	1--150	TRUE	TRUE	1--15															2	1%																				
2	TRUE	1	151--999	TRUE	TRUE	1--20																3																				
3	TRUE	1	151--999	TRUE	FALSE	1--15																3		1%	1%														11%	1%		
4	TRUE	2--999																				4																				
5	TRUE			FALSE																		4	1%																	2%		
6	TRUE					21--999																4			1%		1%														1%	
7	TRUE						TRUE	1														1	2%																	1%		
8	TRUE						TRUE	2--999														2	4%				7%	1%													2%	
9	TRUE						TRUE		1--13	TRUE	TRUE											2																				
10	TRUE						TRUE		1--13	TRUE	FALSE											3	7%																		5%	
11	TRUE						TRUE		1--13	TRUE		1--24										2																				
12	TRUE						TRUE		1--13	TRUE		25--999										3		1%																	1%	2%

Classification Summary

																						City									
																						Portland					Austin				
																						Audite	OSM		Local		Audite	OSM			
																						Sample	Audite	All	Audite	All	Audite	Audite	All		
																						(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)		
bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS											
1	TRUE					TRUE		14												2	2%										
3																				1											
1	TRUE					TRUE		15--999												1											
4																				1											
1	TRUE					TRUE					1--25									1											
5																				2	4%					1%					
1	TRUE					TRUE					26--34									3	2%	2%			6%	2%	3%	10%	2%		
6																				2											
1	TRUE					TRUE					35--39									3											
7																				4											
1	TRUE					TRUE					40--999									4											
8																				3	1%	27%	5%		12%	3%	1%	23%	4%		
1	TRUE					TRUE						TRUE								3											
9																				3	1%	27%	5%	12%	3%	1%	23%	4%			

Classification Summary

		City																				Portland				Austin						
																						Data Source		OSM		Local		Audit	OSM			
																						Sample	Audit	Audit	All	Audit	All	Audit	Audit	All		
		bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS										
20	TRUE							TRUE						FALSE									1									
21	TRUE							FALSE	1														1	1%							4%	
22	TRUE							FALSE	2						TRUE								2									
23	TRUE							FALSE	2						FALSE								3	2%		1%	1%			10%	2%	
24	TRUE							FALSE	3--999														3	1%	1%	1%	1%			1%		
25	TRUE							FALSE										6--999					1									
26	TRUE							FALSE										1--5					2	2%							4%	

Classification Summary

																						City		Portland					Austin							
																								Data Source		OSM		Local			Audit		OSM			
																						Sample		Audit (n=633)	Audit (n=633)	All (n=30,487)	Audit (n=633)	All (n=30,487)	Audit (n=445)	Audit (n=445)	All (n=36,936)					
bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS																
27	TRUE					FALSE					1-30										1															
28	TRUE					FALSE					31-39										3													7%		
29	TRUE					FALSE					40-999										4													1%	1%	1%
30	TRUE					FALSE						TRUE									3													3%		
31	TRUE					FALSE						FALSE									1															
32	FALSE										1-3										1		28%	33%	67%	24%	56%	15%	26%	67%						
33	FALSE										1-25										2		9%	10%	6%	9%	6%	6%								

Classification Summary

		City																				Portland					Austin		
																						Audit	OSM		Local		Audit	OSM	
																						Audit (n=633)	Audit (n=633)	All (n=30,487)	Audit (n=633)	All (n=30,487)	Audit (n=445)	Audit (n=445)	All (n=36,936)
bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS									
3	FALS						1--3		TRUE		1--25										1								
4	E						1--3		FALS		1--25										2	12%	2%	1%	6%	5%	5%	2%	
3	FALS						4--5				1--25										3		4%	1%					
6	E						6--999				1--25										4								
3	FALS						1--3				26--34			FALS							2	1%			2%	1%	5%	1%	
8	E						1--3				26--34			TRUE							3	9%	16%	7%	21%	10%	14%	17%	8%
3	FALS						1--3		TRUE		26--34										2								
9	E						1--3				26--34																		

Classification Summary

		City																				Portland					Austin			
																						Data Source		OSM		Local		Audit	OSM	
																						Sample	Audit	All	Audit	All	Audit	Audit	All	
																						(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)	
bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS										
4	FALS						1--3		FALS		26--34										3	7%				5%	1%	1%		
1	E																													
4	FALS						4--999				26--34										4		2%	2%	2%	2%		1%		
2	E																													
4	FALS										35--999											4	2%	1%	6%	4%	8%	5%	4%	13%
3	E																													
4																TRUE	1--25	1--5		FALS	1									
4																TRUE	1--25	6--999		FALS	2									
5																TRUE	26--34	1--3		FALS	1									
4																TRUE	26--34	5		FALS	2									
6																														
4																TRUE	26--34			FALS										
7																														

Classification Summary

																				City		Portland				Austin			
																				Data Source		OSM		Local		Audit		OSM	
																				Sample		Audite d (n=633)	Audite d (n=633)	All (n=30,487)	Audite d (n=633)	All (n=30,487)	Audite d (n=445)	Audite d (n=445)	All (n=36,936)
bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS									
48																TRUE	26--34	6--999	FAL SE	3									
49																TRUE	35--39	1--3	FAL SE	2									
50																TRUE	35--39	5	FAL SE	3									
51																TRUE	35--39	6--999	FAL SE	4									
52																TRUE	40--999	1--3	FAL SE	3									
53																TRUE	40--999	4--999	FAL SE	4									
54																FALSE	1--34	1--3	FAL SE	1									

Classification Summary

																					City										
																					Portland				Austin						
																					Audite	OSM		Local		Audite	OSM				
																					Sample (n=633))	Audite (n=633))	All (n=30,48) (7)	Audite (n=633))	All (n=30,48) (7)	Audite (n=445))	Audite (n=445))	All (n=36,93) (6)			
	bike_lane	right_turn_lanes	right_turn_lane_length	bike_lane_continuous	bike_lane_aligned	right_turn_lane_speed	parking_lane	lanes_per_direction	parking_bike_width	res_land_use	parking_turnover	speed_limit	lane_blockage	raised_median	centerline	bike_lane_width	cross_street_island	cross_street_speed	cross_street_lanes	traffic_signal	LTS										
55																	FALSE	1--34	5		FALSE	2									
56																	FALSE	1--34	6--999		FALSE	3									
57																	FALSE	35--39	1--3		FALSE	2			1%	2%					
58																	FALSE	35--39	5		FALSE	3									
59																	FALSE	35--39	6--999		FALSE	4									
60																	FALSE	40--999	1--3		FALSE	3									
61																	FALSE	40--999	4--999		FALSE	4									

Montgomery

Classification Summary

																					City		Portland					Austin		
																					Data Source	Audit	OSM			Local		Audit	OSM	
																						Sample	Audit	Audit	All	Audit	All	Audit	Audit	All
																					(n=633)		(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)	
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS												
1	TRUE				0--24	1--3	TRUE	FALSE			TRUE		1--13						2											
2	TRUE				0--25	1--3	FALSE	FALSE				6--999							1											
3	TRUE				0--25	1--3	TRUE	FALSE					15--999						1											
4	TRUE				0--25	1--3	FALSE	FALSE				1--5							2	1%										
5	TRUE				0--25	1--3	TRUE	FALSE					14						2	1%										
6	TRUE				0--25	1--3		TRUE											2.5	1%	9%	2%	3%	1%		3%				
7	TRUE				0--25	1--3	TRUE	FALSE					1--13						2.5	5%					1%					

Classification Summary

		City																				Portland			Austin															
		Data Source																				Audit	OSM		Local		Audit	OSM												
		Sample																				Audit (n=633)	Audit (n=633)	All (n=30,487)	Audit (n=633)	All (n=30,487)	Audit (n=445)	Audit (n=445)	All (n=36,936)											
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																						
8	TRU E				0-25	4-5	FALS E	FALSE										TRU E	2																					
9	TRU E				0-25	4-5	FALS E	FALSE										FALS E	2.5																					
10	TRU E				0-25	4-5	FALS E	TRUE											2.5																					
11	TRU E				0-25	4-5	TRU E												3		1%																			
12	TRU E				0-25	6-100													3																					
13	TRU E				31-35	1-3	FALS E	FALSE											2																					
14	TRU E				31-35	1-3	TRU E	FALSE					14-999						2																					

Classification Summary

		City																				Portland			Austin															
		Data Source																				Audit	OSM		Local		Audit	OSM												
																						Audited (n=633)	Audited (n=633)	All (n=30,487)	Audited (n=633)	All (n=30,487)	Audited (n=445)	Audited (n=445)	All (n=36,936)											
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																						
15	TRU E				31--35	1--3	FALS E	TRUE											2.5																					
16	TRU E				31--35	1--3	TRU E	FALSE					1--13						2.5																					
17	TRU E				31--35	1--3	TRU E	TRUE											2.5																					
18	TRU E				31--35	4--5	FALS E											TRU E	2																					
19	TRU E				31--35	4--5	FALS E											FALS E	2.5																					
20	TRU E				31--35	4--5	FALS E	TRUE											2.5																					
21	TRU E				31--35	4--5	TRU E												3																					

Classification Summary

	bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS	City		Portland		Austin					
																				Data Source	Sample	Audit	OSM		Local		Audit	OSM	
																						(n=633)	Audited	All	Audited	All	Audited	Audited	All
2	TRU					31--35	6--100																						
2	E					31--35														3									
2	TRU					31--35														3									
3	E					31--35														3									
2	TRU					36--40	1--3	FALSE												3									
4	E					36--40		TRUE												4									
2	TRU					36--40	2--4	TRUE												4									
5	E					36--40		FALSE										TRUE	3										
2	TRU					36--40	4--5	FALSE											FALSE	4									
6	E					36--40		FALSE										FALSE	4										
2	TRU					36--40	4--5	FALSE											FALSE	4									
7	E					36--40		FALSE											FALSE	4									
2	TRU					36--40	6--100	FALSE												4									
8	E					36--40		FALSE												4									

Classification Summary

		City																				Portland					Austin					
																						Audit	OSM			Local		Audit	OSM			
																							Audited	Audited	All	Audited	All		Audited	Audited	All	
Sample		(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)																							
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS														
29	TRU				36-40	6-100													4													
30	TRU				36-40		TRU												4													
31	TRU				41-100														4			1%		1%		1%	1%					
32					0-25	1-3	FALS		FALS	1-2999									1								1%					
33					0-25	1-3	TRU		FALS	1-2999	TRU								1	26%	35%	68%	25%	59%	14%	26%	69%					
34					0-25	1-3	FALS		TRU	1-5999									2							1%						
35					0-25	1-3	FALS		FALS	3000-999999									2	1%												

Classification Summary

																				City		Portland					Austin									
																				Data Source		Audit		OSM		Local		Audit		OSM						
																				Sample		Audit		All		Audit		All		Audit		All				
																				(n=633)		(n=633)		(n=30,487)		(n=633)		(n=30,487)		(n=445)		(n=445)		(n=36,936)		
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																		
36					0-25	1-3	TRUE	FALSE	TRUE									2	9%			2%	2%	6%												
37					0-25	1-3	TRUE		FALSE	3000-999999	TRUE							2	3%			1%	1%													
38					0-25	1-3	TRUE	TRUE	TRUE									2.5		10%	6%	8%	4%													
39					0-25	1-3	TRUE		FALSE		FALSE							2.5	12%			7%	5%	5%												
40					0-25	1-3	FALSE		TRUE	6000-999999								3	1%																	
41					0-25	4-5	FALSE											3																		
42					0-25	4-5	TRUE											3	1%	4%	1%															

Classification Summary

																					City		Portland					Austin					
																					Data Source		Audit		OSM			Local		Audit		OSM	
																					Sample		Audit	Audit	All		Audit	All		Audit	Audit	All	
																					(n=633)	(n=633)	(n=30,487)		(n=633)	(n=30,487)		(n=445)	(n=445)	(n=36,936)			
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS															
4					0-25	6-100	FALSE											4															
4					0-25	6-100	TRUE											4															
4					26-30	1-3	FALSE		FALSE									2	3%			1%		1%									
4					26-30	1-3	FALSE		FALSE									2															
4					26-30	1-3	TRUE		FALSE		TRUE							2	4%			3%	2%	5%		1%							
4					26-30	1-3	TRUE		FALSE		FALSE							2.5	9%			5%	1%	2%									
4					26-30	1-3	FALSE		TRUE									3	2%						12%								

Classification Summary

																				City		Portland					Austin										
																				Data Source		Audit		OSM			Local		Audit		OSM						
																				Sample		Audit (n=633)		Audit (n=633)		All (n=30,487)		Audit (n=633)		All (n=30,487)		Audit (n=445)		Audit (n=445)		All (n=36,936)	
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																			
50					26--30	1--3	TRUE		TRUE									3	15%	28%	10%	32%	12%	18%	39%	12%											
51					26--30	4--100	TRUE											4	2%	7%	3%	3%	2%	2%	3%												
52					26--30	4--5	FALSE											4	1%					2%													
53					26--30	6--100	FALSE											4																			
54					31--35													4	5%	5%	7%	10%	8%	26%	26%	14%											
55					36--40													4			1%		1%			1%											
56					41--100													4			1%		1%														

Classification Summary

																				City		Portland					Austin											
																				Data Source		Audit		OSM			Local		Audit		OSM							
																				Sample		Audit		All			Audit		All									
																				(n=633)		(n=633)		(n=30,487)			(n=633)		(n=30,487)									
																				(n=445)		(n=445)		(n=36,936)														
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																				
57			TRUE															1																				
58	TRUE				0-25	1-3								TRUE				1																				
59	TRUE				0-25	4-5								TRUE				2																				
60	TRUE				0-25							1-4						2																				
61	TRUE				0-25											TRUE		2																			1%	
62	TRUE				0-35	6-100								TRUE				2.5																				
63	TRUE				0-35							5-999				FALSE		1																				

Classification Summary

																					City		Portland					Austin					
																					Data Source		Audit		OSM			Local		Audit		OSM	
																					Sample		Audit (n=633)	Audit (n=633)	All (n=30,487)		Audit (n=633)	All (n=30,487)		Audit (n=445)	Audit (n=445)	All (n=36,936)	
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS															
64	TRUE				0-35										TRUE			1															
65	TRUE				26-35	1-3								TRUE				2															
66	TRUE				26-35	4-5								TRUE				2.5															
67	TRUE				26-35							1-4						2															
68	TRUE				26-35											TRUE		2															
69	TRUE				35-100							5-999				FALSE		1															
70	TRUE				35-100							5-999				FALSE		2															

Classification Summary

																				City		Portland					Austin										
																				Data Source		Audit		OSM		Local		Audit		OSM							
																				Sample		Audit		All		Audit		All		Audit		All					
																				(n=633)		(n=633)		(n=30,487)		(n=633)		(n=30,487)		(n=445)		(n=445)		(n=36,936)			
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																			
71	TRUE				35--100										TRUE			2																			
72	TRUE				35--100									TRUE				2.5																			
73	TRUE				35--100							1-4						2.5																			
74	TRUE				35--100											TRUE		2.5																			
75				TRUE	0--30	1-3												2																			
76				TRUE	0--30	4-5											TRUE	2																			
77				TRUE	0--30	4-5												2.5																			

Classification Summary

																				City		Portland				Austin			
																				Data Source		OSM		Local		Audit		OSM	
																				Sample		Audite d	All	Audite d	All	Audite d	Audite d	All	
																				(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)		
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS											
7				TRUE	0-30	6-100												3											
8				TRUE	31-35													3											
7				TRUE	36-40	1-3												3											
9				TRUE	36-40	4-100												4											
8				TRUE	36-40	4-5											TRUE	3											
0				TRUE	41-100													4											
8		TRUE			0-24	1-3					TRUE	1-4						1											
4		TRUE																											

Classification Summary

																				City		Portland					Austin										
																				Data Source		Audit		OSM		Local		Audit		OSM							
																				Sample		Audit		All		Audit		All		Audit		All					
																				(n=633)		(n=633)		(n=30,487)		(n=633)		(n=30,487)		(n=445)		(n=445)		(n=36,936)			
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																			
85		TRUE			0-24	1-3					TRUE					TRUE		1																			
86		TRUE			0-30							1-4						2																			
87		TRUE			0-30											TRUE		2																			
88		TRUE			0-35							5-999				FALSE		1																			
89		TRUE			31-35							1-4						2																			
90		TRUE			31-35											TRUE		2																			
91		TRUE			35-100							5-999				FALSE		1																			

Classification Summary

																				City		Portland					Austin										
																				Data Source		Audit		OSM		Local		Audit		OSM							
																				Sample		Audit		All		Audit		All		Audit		All					
																				(n=633)		(n=633)		(n=30,487)		(n=633)		(n=30,487)		(n=445)		(n=445)		(n=36,936)			
bike_lane	separated_bike_lane	sidepath	neighborhood_greenway	shoulder	speed_limit	lanes	parking	parking_turnover	centerline	adt	res_land_use	bike_lane_width	parking_bike_width	flex_post_buffer	car_buffer	many_driveways	raised_median	LTS																			
92		TRUE			35-100							5-999				FALSE		2																			
93		TRUE			35-100							1-4						2.5																			
94		TRUE			35-100											TRUE		2.5																			

Oregon Department of Transportation (ODoT)

Classification Summary

																		City		Portland				Austin		
																		Audit	OSM			Local		Audit	OSM	
																			Audited	Audited	All	Audited	All		Audited	Audited
																	Sample	(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)	
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS									
1	TRU E	TRU E	0--30	0--1	15--100												1	1%			12%	3%	1%	3%	1%	
2	TRU E	TRU E	0--30	0--1	14												2	2%								
3	TRU E	TRU E	0--30	0--1	0--13												3	11%	18%	4%			6%	21%	4%	
4	TRU E	TRU E	0--30	2--100	15--100												2				6%	1%				
5	TRU E	TRU E	0--30	2--100	0--14												3	6%	8%	1%			2%	1%		
6	TRU E	TRU E	31--35	0--1	15--100												2				3%	1%				
7	TRU E	TRU E	31--35	0--1	0--14												3						1%			

Classification Summary

																				City		Portland					Austin			
																				Data Source		OSM		Local			Audit		OSM	
																				Sample		Audit	Audit	All	Audit	All	Audit	Audit	All	
																				(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)			
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS													
8	TRU	TRU	31--35	2--100													3	2%	2%		2%		2%	9%	1%					
9	TRU	TRU	40--100	0--1	15--100												2													
10	TRU	TRU	40--100	0--1	0--14												3													
11	TRU	TRU	40--100	2--100	15--100												3													
12	TRU	TRU	40--100	2--100	0--14												4													
13	TRU	FALS	0--30	0--1		7--100											1						4%							
14	TRU	FALS	0--30	0--1		6											1						1%							
15	TRU	FALS	0--30	0--1		0--5											2	2%					4%							

Classification Summary

																				City		Portland					Austin													
																				Data Source		OSM		Local			Audit		OSM											
																				Sample		Audite d (n=633)	Audite d (n=633)	All (n=30,487)	Audite d (n=633)	All (n=30,487)	Audite d (n=445)	Audite d (n=445)	All (n=36,936)											
bike_lane	parking_lane	speed_limit	lanes_per_	direction	parking_bike	bike_lane_	bike_lane_	centerline	right_turn_	right_turn_	bike_lane_	right_turn_	left_turn_	traffic_signal	cross_street_	cross_street_	cross_street_	cross_street_	LTS																					
1	6	TRU	FALS	0--30	0--1		TRUE												3																	3%				
1	7	TRU	FALS	0--30	2--100						7--100								1																					
1	8	TRU	FALS	0--30	2--100						0--6								3	2%																	1%			
1	9	TRU	FALS	31--35	0--1						7--100								2																		1%			
2	0	TRU	FALS	31--35	0--1						0--6								3																			1%	5%	
2	1	TRU	FALS	31--35	0--1		TRUE												3																			2%		
2	2	TRU	FALS	31--35	2--100						7--100								2																			2%		
2	3	TRU	FALS	31--35	2--100						0--6								3																			1%	1%	2%

Classification Summary

																				City		Portland					Austin										
																				Data Source		OSM		Local			Audite		OSM								
																				Sample		Audite	Audite	All	Audite	All	Audite	Audite	All								
																						(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)								
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS																				
2	TRU	FALS	40--100	0--1	7--100												3																				
4	E	E																																			
2	TRU	FALS	40--100	0--1	0--6												4																				
5	E	E																																			
2	TRU	FALS	40--100	0--1		TRUE											4																				
6	E	E																																			
2	TRU	FALS	40--100	2--100	7--100												3																				
7	E	E																																			
2	TRU	FALS	40--100	2--100	0--6												4																				
8	E	E																																			
2	FALS		0--25				FALS										1																				
9	E						E											38%	35%	68%	29%	58%	18%	26%	69%												
3	FALS		0--25	1			TRU										2																				
0	E						E											9%	10%	5%	8%	5%	5%														
3	FALS		0--25	2			TRU										3																				
1	E						E											1%	4%	1%																	

Classification Summary

																				City		Portland					Austin													
																				Data Source		OSM		Local			Audit		OSM											
																				Sample		Audite d (n=633)	Audite d (n=633)	All (n=30,487)	Audite d (n=633)	All (n=30,487)	Audite d (n=445)	Audite d (n=445)	All (n=36,936)											
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS																							
3	FALS	0--25	3--100				TRU										4																							
2	E						E																																	
3	FALS	26--					FALS										2	7%																						
3	E	30					E																																	
3	FALS	26--	1				TRU										3	7%	15%	7%	18%	8%	12%	17%	7%															
4	E	30					E																																	
3	FALS	26--	2--100				TRU										4	2%	2%	2%	4%	2%	2%	1%																
5	E	30					E																																	
3	FALS	31--					FALS										3	1%																						
6	E	100					E																																	
3	FALS	31--	1--100				TRU										4	1%	1%	6%	3%	5%	3%	4%	13%															
7	E	100					E																																	
3								1	0--150	TRUE	0--15						2																							
8								1	151--999	TRUE	0--20						3																							
3								1																																
9																																								

Classification Summary

																				City		Portland					Austin			
																				Data Source		OSM		Local			Audit		OSM	
																				Sample		Audit	All	Audit	All	Audit	Audit	All		
																				(n=633)	(n=633)	(n=30,487)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)		
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS													
4								1		FALSE	0-15						4	1%	3%	1%	4%	1%	2%	11%	1%					
4								2-999									4													
4	FALS	0-29	0-1									1					2													
4	FALS	30-34	0-1									1					2													
4	FALS	35-999	0-1									1					3													
4		0-29	2									1					2													
4		30-34	2									1					3													
4		35-999	2									1					4						8%	1%						

Classification Summary

																				City		Portland					Austin														
																				Data Source		OSM		Local			Audit		OSM												
																				Sample		Audite d (n=633)	Audite d (n=633)	All (n=30,487)	Audite d (n=633)	All (n=30,487)	Audite d (n=445)	Audite d (n=445)	All (n=36,936)												
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS																								
4		0-29	3-999									1					3																								
8																																									
4		30-34	3-999									1					4																								
9																																									
5		35-999	3-999									1					4																								
0																																									
5												2-999					4																								
1														FALSE	FALSE	0-29	0-3	1																							
5														FALSE	FALSE		4-5	2																							
2														FALSE	FALSE		6-999	4																							
5														FALSE	FALSE	30-34	0-3	1																							
3																																									
5																																									
4																																									
5																																									
5																																									

Classification Summary

																			City		Portland					Austin											
																			Data Source		OSM		Local			Audit		OSM									
																			Sample		Audite d (n=633)	Audite d (n=633)	All (n=30,487)	Audite d (n=633)	All (n=30,487)	Audite d (n=445)	Audite d (n=445)	All (n=36,936)									
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS																				
5													FALSE	FALSE		4-5	2																				
6													FALSE	FALSE		6-999	4																				
5													FALSE	FALSE	35-39	0-3	2				2%	3%	1%														
8													FALSE	FALSE		4-5	3																				
5													FALSE	FALSE		6-999	4																				
9													FALSE	FALSE	40-999	0-3	3						1%														
6													FALSE	FALSE		4-5	4						4%	1%													
0													FALSE	FALSE		6-999	4																				
6													FALSE	FALSE			4																				
1													FALSE	FALSE			4																				
6													FALSE	FALSE			4																				
2													FALSE	FALSE			4																				
6													FALSE	FALSE			4																				
3													FALSE	FALSE			4																				

Classification Summary

																				City		Portland					Austin			
																				Data Source		OSM		Local			Audit		OSM	
																				Sample		Audited	All	Audited	All	Audited	Audited	All		
																				(n=633)	(n=633)	(n=30,487)	(n=30,487)	(n=633)	(n=445)	(n=445)	(n=36,936)			
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS													
646													FALSE	TRUE	0--29	0--2	1													
655													FALSE	TRUE		2--3	1													
666													FALSE	TRUE		4--999	2													
677													FALSE	TRUE	30--34	0--2	1													
688													FALSE	TRUE		2--3	2													
699													FALSE	TRUE		4--999	3													
700													FALSE	TRUE	35--39	0--2	2													
711													FALSE	TRUE		2--3	3													

Classification Summary

																	City		Portland					Austin			
																	Data Source		OSM		Local			Audit		OSM	
																	Sample		Audited	All	Audited	All	Audited	Audited	All		
																	(n=633)	(n=633)	(n=30,487)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)		
bike_lane	parking_lane	speed_limit	lanes_per_direction	parking_bike	bike_lane_width	bike_lane_blockage	centerline	right_turn_lanes	right_turn_lane_length	bike_lane_aligned	right_turn_lane_speed	left_turn_lanes	traffic_signal	cross_street_island	cross_street_speed_limit	cross_street_lanes	LTS										
7													FALSE	TRUE		4--999	4										
2													FALSE	TRUE	40--999	0--2	3										
7													FALSE	TRUE		2--3	4	1%			2%	1%	2%				
3													FALSE	TRUE		4--999	4										
4													FALSE	TRUE		4--999	4										
7													FALSE	TRUE		4--999	4										
5													FALSE	TRUE		4--999	4										

People for Bikes (PFB)

Classification Summary

										City		Portland				Austin				
										Data Source		Audit		OSM		Local		Audit	OSM	
										Sample		Audited	Audited	All	Audited	All	Audited	Audited	All	
												(n=633)	(n=633)	(n=30,487)	(n=633)	(n=30,487)	(n=445)	(n=445)	(n=36,936)	
residential	bike_lane	buffered_bike_lane	cycle_track	mixed_traffic	speed_limit	lanes_per_direction	parking	curb_to_curb_width	LTS											
1	FALSE		TRUE						1	1%			1%		4%	3%	1%			
2	FALSE	TRUE			36--100	2--999			4	1%			3%	1%	7%					
3	FALSE	TRUE			36--100	0--1			4						1%					
4	FALSE	TRUE			31--35	2--999			4				1%	1%	2%					
5	FALSE	TRUE			31--35	0--1	1--2		4				2%	1%		2%				
6	FALSE	TRUE			31--35	0--1	0		1											
7	FALSE	TRUE			26--30	2--999	1--2		4	1%			10%	2%	1%	2%				
8	FALSE	TRUE			26--30	2--999	0		1											
9	FALSE	TRUE			26--30	0--1			1	4%			6%	2%	17%					
10	FALSE	TRUE			0--25				1	2%			6%	1%	1%					
11	FALSE	TRUE			31--100		0		4	1%	2%				11%	18%	3%			
12	FALSE	TRUE			21--30	2--999	0		4	7%	10%	2%			3%	2%				
13	FALSE	TRUE			21--30	0--1	0		1	8%	18%	4%			1%	21%	4%			
14	FALSE	TRUE			0--20	3--999	0		4											
15	FALSE	TRUE			0--20	0--2	0		1											
16	FALSE	FALSE	FALSE	FALSE	0--20	0--1			1	1%	1%	1%								
17	FALSE	FALSE	FALSE	FALSE	0--20	2--999			4	1%	1%									
18	FALSE	FALSE	FALSE	FALSE	21--100				4	46%	32%	24%	42%	29%	51%	25%	23%			
19	TRUE	FALSE	FALSE	FALSE	21--25	0--1	0--1	19--999	1	17%	24%	54%	15%	55%		26%	68%			
20	TRUE	FALSE	FALSE	FALSE	21--25	0--1	0--1	0--18	4					3%						

21	TRUE	FALSE	FALSE	FALSE		21--25	0--1	2	27--999	1								
22	TRUE	FALSE	FALSE	FALSE		21--25	0--1	2	0--26	4								
23	TRUE	FALSE	FALSE	FALSE		0--20	0--1	0--1	19--999	1	11%	10%	14%	13%	3%			
24	TRUE	FALSE	FALSE	FALSE		0--20	0--1	0--1	0--18	1								
25	TRUE	FALSE	FALSE	FALSE		0--20	0--1	2	27--999	1								
26	TRUE	FALSE	FALSE	FALSE		0--20	0--1	2	0--26	1								