

Appendix F

BE Tool Data Coding and Scoring Table

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
LU1	Foot (walked route) = 1; Auto (drove route) = 2; Both = 3	1)	How is audit information collected?	Route		not used in positive or negative subscales		
Intersection 1								
C1_2	T-intersection = 1; 4-way = 2; >4-way = 3	2)	Intersection Geometry	Crossings Section		not used in positive or negative subscales		
		3)	Intersection Control:	Crossings Section		Intersection Control and Signage Positive Subscale		
			<input type="checkbox"/> None					
C1_1a	Yield signs No = 0; Yes = 1		<input type="checkbox"/> Yield signs/Flashing yellow			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C1_1b	Stop signs No = 0; Yes = 1		<input type="checkbox"/> Stop signs/Flashing red light			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C1_1c	Traffic signal No = 0; Yes = 1		<input type="checkbox"/> Traffic signal			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C1_1d	Traffic circle No = 0; Yes = 1		<input type="checkbox"/> Traffic circle, Roundabout			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
Pedestrian Crossing at Intersection 1								
			Crossing from N S E W to N S E W					
		4)	Signalization (if traffic signal present):	Crossings Section		Intersection Control and Signage Positive Subscale		
C1_3a	No = 0; Yes = 1		<input type="checkbox"/> All traffic signals have green arrows for dedicated vehicle turns					
C1_3b	No = 0; Yes = 1		<input type="checkbox"/> Pedestrian "Walk" signals present					
C1_3c	No = 0; Yes = 1		<input type="checkbox"/> Pedestrian push buttons present					
C1_3d	No = 0; Yes = 1		<input type="checkbox"/> Countdown signal					

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Pedestrian Crossing at Intersection 1 (continued)								
C1_3e	No = 0; Yes = 1		<input type="checkbox"/> Audible walk signal <input type="checkbox"/> None of the Above					
		5)	Crosswalk treatment	Crossings Section		Crosswalk Amenities Positive Subscale		
C1_8a	No = 0; Yes = 1		<input type="checkbox"/> Marked crosswalk			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C1_8b	No = 0; Yes = 1		<input type="checkbox"/> High-visibility striping			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C1_8c	No = 0; Yes = 1		<input type="checkbox"/> Stop lines on road or additional crosswalk warnings			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C1_8d	No = 0; Yes = 1		<input type="checkbox"/> Raised crosswalk			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C1_8e	No = 0; Yes = 1		<input type="checkbox"/> Different material than road <input type="checkbox"/> None of the Above			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
		6)	Crossing features <input type="checkbox"/> Specifically identified lanes turning into crossing	Crossings Section		Intersection Control and Signage Positive Subscale; Crosswalk Amenities Positive Subscale		
C1_11a	No = 0; Yes = 1		<input type="checkbox"/> Right turn			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C1_11b	No = 0; Yes = 1		<input type="checkbox"/> Left turn			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C1_11c	No = 0; Yes = 1		<input type="checkbox"/> Protected refuge islands			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C1_11d	No = 0; Yes = 1		<input type="checkbox"/> One-way streets through crossing			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 1 (continued)								
Pedestrian Crossing at Intersection 1 (continued)								
C1_11e	No = 0; Yes = 1		<input type="checkbox"/> Curb extension			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C1_6	No = 0; Yes = 1	7)	<input type="checkbox"/> None of the Above Gutters present in crossing	Crossings Section		Crossing Impediments Negative Subscale	No = 0; Yes = 1	
			<i>Within possible path of crossing pedestrians</i>					
		8)	Other characteristics of crossing	Crossings Section		Crossing Impediments Negative Subscale; Crosswalk Amenities Positive Subscale		
C1_7a	No = 0; Yes = 1		<input type="checkbox"/> Steep slope or steep cross-slope at intersection			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C1_7b	No = 0; Yes = 1		<input type="checkbox"/> Temporary obstructions			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C1_7c	No = 0; Yes = 1		<input type="checkbox"/> Crossing aids (e.g., flags)			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
			<input type="checkbox"/> None of the Above					
		9)	Miscellaneous problems	Crossings Section		Crossing Impediments Negative Subscale		
C1_12a	No = 0; Yes = 1		<input type="checkbox"/> Lack of lampposts or overhead street lamps			not used in positive or negative subscales		
C1_12b	No = 0; Yes = 1		<input type="checkbox"/> Poor condition of crossing surface			not used in positive or negative subscales		
C1_12c	No = 0; Yes = 1		<input type="checkbox"/> Poor visibility at corners			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C1_12d	No = 0; Yes = 1		<input type="checkbox"/> Faded or worn crosswalk markings			Crossing Impediments Negative Subscale	No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 1 (continued)								
Pedestrian Crossing at Intersection 1 (continued)								
C1_12e	No = 0; Yes = 1		<input type="checkbox"/> Unanticipated mid-segment crossing Reason: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> None of the Above			not used in positive or negative subscales		
C1_12f			Distance of crossing leg, including all potential parking and turn lanes. _____ lanes wide	Crossings Section		not used in positive or negative subscales		
C1_10_trichot	#	10)		Crossings Section		Road Width Negative Subscale	1 - 2 = 0; 3 - 4 = 1; 5 - Highest = 2	
C1_4	# of seconds; No crosswalk = -777; No signal = -778	11)	Crosswalk timing: _____ seconds	Crossings Section		not used in positive or negative subscales		
Crosswalk Curb Cuts at Intersection 1								
		12)	Curb ramps, curb cuts, or mountable curbs?	Crossings Section		Curb Quality/Presence Positive Subscale		2 = 1; 1 or 0 = 0
C1_B12a	Pre-crossing has ramp (w tactile) = 1; Pre-crossing has ramp (w/o tactile) = 2; No ramp = 3		(a) Pre-crossing curb (on N E S W side of street)			Curb Quality/Presence Positive Subscale	Ramp (w tactile) = 1; Ramp (w/o tactile) = 1; No ramp = 0	
C1_B12b	Pre-crossing has ramp (w tactile) = 1; Pre-crossing has ramp (w/o tactile) = 2; No ramp = 3		(b) Post-crossing curb (on N E S W side of street)			Curb Quality/Presence Positive Subscale	Ramp (w tactile) = 1; Ramp (w/o tactile) = 1; No ramp = 0	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 1 (continued)								
Crosswalk Curb Cuts at Intersection 1 (continued)								
		13)	Alignment of curb cut/ramp and crossing?	Crossings Section		Curb Quality/Presence Positive Subscale; Crossing Impediments Negative Subscale		2 = 1; 1 or 0 = 0
C1_5a	Ramp lines up w/xing = 1; Ramp does not line up = 2; No ramp = 3		(a) Pre-crossing curb <i>(on NES W side of street)</i>			Curb Quality/Presence Positive Subscale; Crossing Impediments Negative Subscale	Ramp lines up w/xing = 1; Ramp does not line up = 1; No ramp = 0	
C1_5a_ positive			<input type="checkbox"/> Ramp lines up with crossing			Curb Quality/Presence Positive Subscale		
C1_5a_ opt2			<input type="checkbox"/> Ramp does not line up with crossing			not used in positive or negative subscales		
C1_5a_ negative			<input type="checkbox"/> No ramp			Crossing Impediments Negative Subscale		
C1_5b	Ramp lines up w/xing = 1; Ramp does not line up = 2; No ramp = 3		(b) Post-crossing curb <i>(on NES W side of street)</i>			Curb Quality/Presence Positive Subscale; Crossing Impediments Negative Subscale	Ramp lines up w/xing = 1; Ramp does not line up = 1; No ramp = 0	
C1_5b_ positive			<input type="checkbox"/> Ramp lines up with crossing			Curb Quality/Presence Positive Subscale		
C1_5b_ opt2			<input type="checkbox"/> Ramp does not line up with crossing			not used in positive or negative subscales		
C1_5b_ negative			<input type="checkbox"/> No ramp			Crossing Impediments Negative Subscale		
C1_B14_ positive		14)	Rate the condition and quality of curb cut/ramp.			Curb Quality/Presence Positive Subscale;		2 = 1; 1 or 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 1 (continued)								
Crosswalk Curb Cuts at Intersection 1 (continued)								
C1_B14_negative			a. Pre-crossing curb <i>(on NES W side of street)</i>			Crossing Impediments Negative Subscale		1 or 2 = 1; 0 = 0
C1_B14a1_negative			<input type="checkbox"/> Ramp is passable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is passable = 0	
C1_B14a1_positive			<input type="checkbox"/> ADA-compliant slope (8.3% or less)			Curb Quality/Presence Positive Subscale	Ramp is passable = 1	
			<input type="checkbox"/> No broken area			not used in positive or negative subscales		
			<input type="checkbox"/> Broken area passable with little or no effort			not used in positive or negative subscales		
C1_B14a2_negative			<input type="checkbox"/> Ramp is impassable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is impassable = 1	
C1_B14a_positive			<input type="checkbox"/> ADA-non-compliant slope (over 8.3%)			Curb Quality/Presence Positive Subscale	Ramp is impassable = 0	
			<input type="checkbox"/> Broken area impassable or only passable with high effort			not used in positive or negative subscales		
C1_B14a3			<input type="checkbox"/> No ramp			not used in positive or negative subscales		
			b. Post-crossing curb <i>(on NES W side of street)</i>			not used in positive or negative subscales		

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 1 (continued)								
Crosswalk Curb Cuts at Intersection 1 (continued)								
C1_B14b1_ negative						Curb Quality/Presence Positive Subscale	Ramp is passable = 0	
C1_b14b1_ positive						Curb Quality/Presence Positive Subscale	Ramp is passable = 1	
			<input type="checkbox"/> ADA-compliant slope (8.3% or less) <input type="checkbox"/> No broken area			not used in positive or negative subscales		
			<input type="checkbox"/> Broken area passable with little or no effort			not used in positive or negative subscales		
C1_B14b2_ negative			<input type="checkbox"/> Ramp is impassable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is impassable = 1	
C1_B14b2_ positive						Curb Quality/Presence Positive Subscale	Ramp is impassable = 0	
			<input type="checkbox"/> ADA-non-compliant slope (over 8.3%) <input type="checkbox"/> Broken area impassable or only passable with high effort			not used in positive or negative subscales		
C1_B14b3			<input type="checkbox"/> No ramp			not used in positive or negative subscales		

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment								
Road configuration								
S1_11_dichot	One-way = 1; Two-way = 2	15)	Is the street predominantly one-way or two-way?	Segments Section	Walkways/ Sidewalks	Negative Street Design Subscale	One-way = 1; Two-way = 2	
S1_B16	Divided highway > 4 lanes = 1; Undivided > 4 lanes = 2; 3 lanes (or two plus center turn lane) = 3; 2 marked lanes = 4; No marked lanes = 5; Unpaved roadway = 6	16)	What type of road is present?	Route	Streetscape Section	not used in positive or negative subscales		
Number of traffic lanes								
S1_10_dichot	#	17)	How many traffic lanes are present (include all lanes that traffic can use; choose most predominant)?	Segments Section	Walkways/ Sidewalks	Negative Street Design Subscale	1-4 lanes = 1; >5 lanes = 2	
			Speed limit					
		18)	Is there a posted speed limit along the route?	Route	Streetscape Section	Positive Streetscape Subscale		
SS3a	No = 0; Yes = speed limit (text)		Regular					
SS3a_sign			<input type="checkbox"/> Yes _____ mph <input type="checkbox"/> No			Positive Streetscape Subscale	No = 0; Yes = 1	
SS3a_pos						Positive Streetscape Subscale	No = 0; Yes, speed limit 25mph or less= 1	
SS_B18b	No = 0; Yes = speed limit (text)		Special school zone			not used in positive or negative subscales		

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Vehicular traffic control								
		19)	What other street characteristics are present? (specify # of each type)	Route	Streetscape Section	Positive Streetscape Subscales		
SS4a	#		<input type="checkbox"/> Traffic calming (signs, circles, speed tables, speed humps, curb extension)			Positive Streetscape Subscales	None = 0; Any = 1	
SS4b	#		<input type="checkbox"/> Roll-over curbs _____					
SS4c	#		<input type="checkbox"/> Drainage ditches _____ (count both sides of street)					
SS4d	#		<input type="checkbox"/> Instructional signs for pedestrian's					
SS4e	#		<input type="checkbox"/> Crosswalk signage or other pedestrian signage (for drivers)					
			<input type="checkbox"/> None of the Above					
Transit Availability								
		20)	Is there a public transit stop on this segment? <i>Check all that apply</i>	Route	Streetscape Section	Negative Streetscape Subscale		
SS1a_dichot			<input type="checkbox"/> None					
			<input type="checkbox"/> Bus stop			Negative Streetscape Subscale	None = 1; Any = 0	
SS_B20c			<input type="checkbox"/> Light Rail/Other Transit			not used in positive or negative subscales		
SS1b			<input type="checkbox"/> Senior transit/paratransit			not used in positive or negative subscales		
			If none skip to Q22.					
		21)	Is there a bench or covered shelter at the transit stop?	Route	Streetscape Section			

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Transit Availability (continued)								
			<input type="checkbox"/> None					
SS2_1b	No = 0; Yes = 1		<input type="checkbox"/> Bench			Positive Streetscape Subscales	No = 0; Yes = 1	
SS2_1c	No = 0; Yes = 1		<input type="checkbox"/> Covered shelter (with no room for mobility device)			Positive Streetscape Subscales	No = 0; Yes = 1	
SS2_1d	No = 0; Yes = 1		<input type="checkbox"/> Covered shelter with room for mobility device (5ft clearance)			Positive Streetscape Subscales	No = 0; Yes = 1	
Street Amenities								
		22)	Presence of street amenities	Route	Streetscape Section	Positive Streetscape Subscales		
SS7a	No = 0; Yes = 1		<input type="checkbox"/> Building overhangs that provide shelter from inclement weather in public space (e.g. sidewalks)			Positive Streetscape Subscales	No = 0; Yes = 1	
SS7b	No = 0; Yes = 1		<input type="checkbox"/> Trash bins (public)			Positive Streetscape Subscales	No = 0; Yes = 1	
SS7c	No = 0; Yes = 1		<input type="checkbox"/> Bicycle racks (non-school)			Positive Streetscape Subscales; Bike Infrastructure Positive Subscale	No = 0; Yes = 1	
SS_B22d	No = 0; Yes = 1		<input type="checkbox"/> Bicycle rack(s) in front of school			not used in positive or negative subscales		
SS7e	No = 0; Yes = 1		<input type="checkbox"/> Working drinking fountain			Positive Streetscape Subscales	No = 0; Yes = 1	
SS7f	No = 0; Yes = 1		<input type="checkbox"/> Working public telephones			Positive Streetscape Subscales	No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Street Amenities (continued)								
S57g	No = 0; Yes = 1		<input type="checkbox"/> Kiosks or information booths			Positive Streetscape Subscales	No = 0; Yes = 1	
			<input type="checkbox"/> None of the Above					
A1	No = 0; Yes = 1	23)	Do you observe pleasant hardscape features, such as fountains, sculptures, or art (public or private)?	Route	Aesthetics and Social Section	Positive Aesthetics and Social Subscale	No = 0; Yes = 1	
A2	No = 0; Yes = 1	24)	Do you observe softscape features such as gardens or landscaping (e.g., <i>Public: bodies of water, designated viewpoints; Private: retaining walls, bark, ponds</i>)?	Route	Aesthetics and Social Section	Positive Aesthetics and Social Subscale	No = 0; Yes = 1	
A4_dichot_neg	0% = 1; 1-49% = 2; 50-99% = 3; 100% = 4	25)	Are the buildings well maintained?	Route	Aesthetics and Social Section	Negative Aesthetics and Social Elements	0-99% = 1; 100% = 0	1 or 2 = 1; 0 = 0
A5_dichot	0% = 1; 1-49% = 2; 50-99% = 3; 100% = 4	26)	Is landscaping well maintained?	Route	Aesthetics and Social Section	Positive Aesthetics and Social Subscale	0-99% = 0; 100% = 1	1 or 2 = 1; 0 = 0
S1_23_trichot	0-1 = 1; 2-5 = 2; 6-10 = 3; 11-20 = 4; 21+ = 5; No sidewalk = -777	27)	How many trees exist within 5 feet of either side of the sidewalk/pathway (can be in buffer or setback; also count trees that are more than 5 feet away if they provide shade for the sidewalk/pathway)?	Segments Section	Walkways/Sidewalks	Trees Positive Subscale	No sidewalk/NA = 0; 0-1 trees = 0; 2-10 trees = 1; >11 trees = 2	3 or 4 = 2; 1 or 2 = 1; 0 = 0
S1_25_trichot	1-25% = 1; 26-50% = 2; 51-75% = 3; 76-100% = 4; No sidewalk = -777; No coverage = 5	28)	What percentage of the length of the sidewalk/walkway is covered by trees, awnings or other overhead coverage?	Segments Section	Walkways/Sidewalks	Trees Positive Subscale	No coverage or no sidewalk/NA and ≤25% = 0; 26%-75% = 1; >75% = 2	3 or 4 = 2; 1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
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Street Segment (continued)

Physical Maintenance/Disorder								
		29)	Which of the following physical disorders are present?	Route	Aesthetics and Social Section	Negative Aesthetics and Social Subscale; Positive Aesthetics and Social Subscale		
A6a	No = 0; Yes = 1		<input type="checkbox"/> Graffiti/tagging (not murals)			Negative Aesthetics and Social Subscale	No = 0; Yes = 1	
A6b	No = 0; Yes = 1		<input type="checkbox"/> Abandoned cars			Negative Aesthetics and Social Subscale	No = 0; Yes = 1	
A6c	No = 0; Yes = 1		<input type="checkbox"/> Buildings with broken/ boarded windows			Negative Aesthetics and Social Subscale	No = 0; Yes = 1	
A6d	No = 0; Yes = 1		<input type="checkbox"/> Drug paraphernalia			Negative Aesthetics and Social Subscale	No = 0; Yes = 1	
A6e	No = 0; Yes = 1		<input type="checkbox"/> Broken glass			Negative Aesthetics and Social Subscale	No = 0; Yes = 1	
A6f	No = 0; Yes = 1		<input type="checkbox"/> Beer/liquor bottles/cans			not used in positive or negative subscales		
A6g	No = 0; Yes = 1		<input type="checkbox"/> Litter in yards			Negative Aesthetics and Social Subscale	No = 0; Yes = 1	
A6h	No = 0; Yes = 1		<input type="checkbox"/> Noticeable/excessive litter in street/sidewalk			not used in positive or negative subscales		
A6i	No = 0; Yes = 1		<input type="checkbox"/> Neighborhood watch signs			Positive Aesthetics and Social Subscale	No = 0; Yes = 1	
A6j	No = 0; Yes = 1		<input type="checkbox"/> Signage for commercial destinations or parks			Positive Aesthetics and Social Subscale	No = 0; Yes = 1	
			<input type="checkbox"/> None of these					
A7__dichot	None = 1; A little = 2; Some = 3; A lot = 4	30)	Rate the extent of physical disorder	Route	Aesthetics and Social Section	Negative Aesthetics and Social Subscale	None = 0; A little, some or a lot = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Physical Maintenance/Disorder (continued)								
A8_dichot	None = 1; A little = 2; Some = 3; A lot = 4	31)	Rate the extent of social disorder	Route	Aesthetics and Social Section	Negative Aesthetics and Social Subscale	None = 0; A little, some or a lot = 1	
S1_19_trichot	1-25% = 1; 26-50% = 2; 51-75% = 3; 76-100% = 4; No sidewalk = -777	32)	Estimate the proportion of street segment that has ground floor or street-level windows within 40 feet of sidewalk/walkway (or street if no sidewalk/walkway)	Segments Section	Walkways/Sidewalks	Building Aesthetics & Design Positive Subscale	No windows - 25% = 0; 26%-75% = 1; >76% = 2	3 or 4 = 2; 1 or 2 = 1; 0 = 0
Line of Sight								
Building setbacks								
S1_26	No building = 1; < 10 feet = 2; 10-20 feet = 3; 21-50 feet = 4; 51-100 feet = 5; > 100 feet = 6	33)	What is the smallest building setback from the sidewalk?	Segments Section	Walkways/Sidewalks	Positive Building Height and Setbacks Subscale	No building = 1; <10 feet = 2; 10-20 feet = 3; 21-50 feet = 4; 51-100 feet = 5; >100 feet = 6	
S1_27	No building = 1; < 10 feet = 2; 10-20 feet = 3; 21-50 feet = 4; 51-100 feet = 5; > 100 feet = 6	34)	What is the largest building setback from the sidewalk/walkway?				No building = 1; <10 feet = 2; 10-20 feet = 3; 21-50 feet = 4; 51-100 feet = 5; >100 feet = 6	
S1_26_27_Opts*			Either setback (S1_26, S1_27) >50 ft and no building				No = 0; Yes = 0	
S1_26_27_1point*			All other combinations of S1_26 and S1_27				No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Building setbacks (continued)								
S1_26_27_2points*			Both setbacks (S1_26 and S1_27) 10-20 ft. or one setback <10 ft and one setback 10-20 ft.				No = 0; Yes = 2	
S1_26_27_3points*			Both setbacks (S1_26 and S1_27) <10 ft.				No = 0; Yes = 3	
S1_26_27_2points*			Smallest and largest setback scores combined			Positive Building Height and Setbacks Subscale	S1_26_27_0pts + S1_26_27_1point + S1_26_27_2points + S1_26_27_3points	
S1_28_trichot	No building = 1; 1-2 stories = 2; 3-5 stories = 3; 6-10 stories = 4; >10 stories = 5	35)	What is the average height of buildings?			Positive Building Height and Setbacks Subscale	No building and 0-2 stories = 0; 3-5 stories = 1; 6-10 stories = 2; 10+stories = 3	
PosBldgHt Setbks_S1						Positive Building Height and Setbacks Subscale	S1_26_27_2points + S1_28_trichot	
Parking								
		36)	What parking facilities are present?	Route	Destinations and Land Use Section	Positive Parking Subscale; Negative Destinations and Land Use Subscale		
LU2a	No = 0; Yes = 1		<input type="checkbox"/> None			Positive Parking Subscale	No = 0; Yes = 1	
LU2b_recode	No = 0; Yes = 1		<input type="checkbox"/> On-street, parallel or angled parking			Positive Parking Subscale	No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Parking (continued)								
LU2c	No = 0; Yes = 1		<input type="checkbox"/> Small lot or garage (< 30 spaces) <input type="checkbox"/> Medium to large lot or garage			Negative Destinations and Land Use Subscale	No = 0; Yes = 1	
LU2d_rec	No = 0; Yes = 1		<input type="checkbox"/> Medium to large lot or garage			Negative Destinations and Land Use Subscale	No = 0; Yes = 1	
Sidewalks								
S1_1	No = 0; Yes = 1	37)	Is a sidewalk present?	Segments Section	Walkways/Sidewalks	Positive Sidewalk Subscale	No = 0; Yes = 2	4 = 2; 2 = 1; 0 = 0
S1_2_recode	<3 feet = 1; 3 to <5 feet = 2; ≥5 feet = 3; No sidewalk = -777	38)	What is the width of the majority of the sidewalk?	Segments Section	Walkways/Sidewalks	Positive Sidewalk Subscale	<3 feet = 2; 3 to <5 feet = 2; ≥5 feet = 3; No sidewalk = 0	6 = 3; 4 or 5 = 2; 2 or 3 = 1; 0 = 0
S1_3a_recode	No sidewalk = -777; No = 0; Yes = 1	39)	Is there a buffer present? (separation between the walkway and road; does not apply to roadway walking)	Segments Section	Walkways/Sidewalks	Buffer Positive Subscale	No sidewalk = 0; No = 0; Yes = 1	2 = 2; 1 = 1; 0 = 0
S1_3b_dichot	<3 feet = 1; 3 to <5 feet = 2; ≥5 feet = 3; No sidewalk = -777	40)	How wide is the majority of the buffer?	Segments Section	Walkways/Sidewalks	Buffer Positive Subscale	No sidewalk = 0; 0-3 feet = 0; >3 feet = 1	2 = 2; 1 = 1; 0 = 0
S1_4_recode	No = 0; Yes = 1; No sidewalk = -777	41)	Is the sidewalk continuous within the segment?	Segments Section	Walkways/Sidewalks	Sidewalk Negative Subscale	No = 1; Yes = 0	2 = 1; 0 or 1 = 0
S1_B42	None = 1; One = 2; A few = 3; A lot = 4; No sidewalk = -777	42)	Are there poorly maintained sections of the sidewalk that constitute trip hazards? (e.g., heaves, misalignment, cracks, overgrowth)	Segments Section	Walkways/Sidewalks	Sidewalk Negative Subscale	None or One = 0; A few or a lot = 1	2 = 2; 1 = 1; 0 = 0
S1_B43	Level = 1; Moderate = 2; Steep = 3; No sidewalk = -777	43)	How steep is the sidewalk at the steepest point in the segment? (Excluding heaves)	Segments Section	Walkways/Sidewalks	Sidewalk Slope Negative subscale	Level or moderate = 0; Steep = 1	1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Sidewalks (continued)								
S1_6b	Little (1-25%) = 1; Some (26-75%) = 2; Most or all (76-100%) = 3; No sidewalk = -777	44)	How much of the segment is at or near this level of steepness?	Segments Section	Walkways/ Sidewalks	not used in positive or negative subscales		
S1_B45	Level = 1; Moderate = 2; Steep = 3	45)	If answer to Q44 is "Little," provide a steepness measure that represents the majority of the segment	Segments Section	Walkways/ Sidewalks	Sidewalk Slope Negative Subscale	Level or moderate = 0; Steep = 1	1 or 2 = 1; 0 = 0
S1_B46	Level = 1; Sloped = 2; Steep = 3	46)	Does the walkway have a cross-slope that affects walkers?	Segments Section	Walkways/ Sidewalks	Sidewalk Slope Negative Subscale	Level or sloped = 0; Steep = 1	1 or 2 = 1; 0 = 0
S1_8_dichot	None = 1; Some = 2; Many = 3; No sidewalk = -777	47)	Are there permanent obstructions in the sidewalk? (e.g., telephone poles, trees, café tables, shrubs, basketball hoops)	Segments Section	Walkways/ Sidewalks	Sidewalk Slope Negative Subscale	None = 0; Some or many = 1	2 = 2; 1 = 1; 0 = 0
S1_9_dichot	None = 1; Some = 2; Many = 3; No sidewalk = -777	48)	Are there temporary obstructions in the sidewalk?	Segments Section	Walkways/ Sidewalks	Sidewalk Slope Negative Subscale	None = 0; Some or Many = 1	2 = 2; 1 = 1; 0 = 0
		49)	<u>If no sidewalk</u> , is there any other place to walk that is safe from traffic? <input type="checkbox"/> Yes	Segments Section	Walkways/ Sidewalks	Positive Sidewalk Subscale		
	No = 0; Yes = 1; Sidewalk=-777		<input type="checkbox"/> Unpaved pathway (goat path)	Segments Section	Walkways/ Sidewalks	Positive Sidewalk Subscale	No = 0; Yes = 1; NA/Sidewalk=0	1 or 2 = 1; 0 = 0
S1_12a_recode	No = 0; Yes = 1; Sidewalk=-777		<input type="checkbox"/> Street shoulder			Positive Sidewalk Subscale	No = 0; Yes = 1; NA/Sidewalk=0	1 or 2 = 1; 0 = 0
S1_12b_recode	No = 0; Yes = 1; Sidewalk=-777		<input type="checkbox"/> Buffer			Positive Sidewalk Subscale	No = 0; Yes = 1; NA/Sidewalk=0	1 or 2 = 1; 0 = 0
S1_12c_recode	No = 0; Yes = 1; Sidewalk=-777					Positive Sidewalk Subscale	No = 0; Yes = 1; NA/Sidewalk=0	1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Sidewalks (continued)								
	No = 0; Yes = 1; Sidewalk=-777		<input type="checkbox"/> No			Positive Sidewalk Subscale	No = 0; Yes = 1; NA/Sidewalk=0	1 or 2 = 1; 0 = 0
S1_13	None = 1; <4 feet = 2; ≥4 feet = 3; N/A = -777	50)	<input type="checkbox"/> N/A Sidewalk present If no sidewalk, what is the width of the place on which one could safely walk? (Not in possible path of traffic)	Segments Section	Walkways/Sidewalks	not used in positive or negative subscales		
Pedestrian Curb Cuts on Segment (non-intersection)								
SS8	No = 0; Yes = 1	51)	Presence of any mid-segment street crossing, where an individual could safely cross (marked by sign or crosswalk)?	Route	Streetscape Section	Positive Streetscape Subscales	No = 0; Yes = 1	
Driveway curb cuts								
SS6_dichot	None = 1; 1-2 = 2; 3-5 = 3; 6+ = 4	52)	How many driveways or alleys are there?	Route	Streetscape Section	Negative Streetscape Subscale	0-5 driveways = 0; 6+ driveways = 1	2 = 2; 1 = 1; 0 = 0
Pedestrian Lighting								
SS5_dichot_neg	None = 1; Some = 2; Ample = 3	53)	Are street lights installed?	Route	Streetscape Section	Negative Streetscape Subscale	None = 1; Any (some and ample)= 0	2 = 1; 0 or 1 = 0
Bicycle Lane								
			How would you rate the bikability of this segment?					
S1_B54	Does not apply = 0; No shoulder (unmarked) = 1; Narrow paved (unmarked) = 2; Wide paved (unmarked) = 3; narrow marked = 4; Wide marked = 5	54)	Location of bike lane (marked lane)?	Segments Section	Bike lanes	Bike Infrastructure Positive Subscale	0 or 1 = 0; 2 = 1; 3 or 4 = 2; 5 = 3	5 or 6 = 3; 3 or 4 = 2; 1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Street Segment (continued)								
Bicycle Lane (continued)								
S1_15	No = 0; Yes = 1	55)	Are there any signs indicating bicycle use (share the road, etc.)?	Segments Section	Bike lanes	Bike Infrastructure Positive Subscale	No = 0; Yes = 1	1 or 2 = 1; 0 = 0
S1_B56	Does not apply = 0; None = 1; A little = 2; Some = 3; A lot = 4	56)	Levelness and condition of bike lane (e.g., heaves, alignment, cracks, broken sections, weeds)?	Segments Section	Bike lanes	Bike Infrastructure Negative Subscale	0 or 1 = 0; 2, 3, or 4 = 1	1 or 2 = 1; 0 = 0
S1_B57	Does not apply, or none = 0; A little, some, or a lot = 1	57)	Obstructions in the bike lane (e.g., artificial – cars, rumble strips, drainage grates – or natural – trees, bushes, rocks)?	Segments Section	Bike lanes	Bike Infrastructure Negative Subscale	Does not apply, or none = 0; A little, some, or a lot = 1	1 or 2 = 1; 0 = 0
Bike/Ped Path								
			How would you rate the availability of trails or paths for this segment? (Check all that apply.)	Segments Section	Bike/Ped Path			
S1_B58	No = 0; Yes = 1	58)	Presence of path or trail (e.g., multi-use, biking, walking route)?	Segments Section	Bike/Ped Path	Bike Infrastructure Positive Subscale	No = 0; Yes = 1	1 or 2 = 1; 0 = 0
S1_B59	Does not apply, or 0 to 3 ft = 0; > 3 to < 6 ft = 1; ≥6 ft = 2	59)	Width of path or trail?	Segments Section	Bike/Ped Path	Bike Infrastructure Positive Subscale	Does not apply, or 0 to 3 ft = 0; > 3 to < 6 ft = 1; ≥6 ft = 2	2, 3, or 4 = 2; 1 = 1; 0 = 0
S1_B60		60)	Levelness and condition of trail (e.g., heaves, alignment, cracks, broken sections, weeds)?	Segments Section	Bike/Ped Path	Bike Infrastructure Negative Subscale	Does not apply, or none = 0; A little, some, or a lot = 1	1 or 2 = 1; 0 = 0
S1_B61		61)	Obstructions in the path or trail (e.g., artificial – cars, trash cans – or natural – trees, bushes, rocks)?	Segments Section	Bike/Ped Path	Bike Infrastructure Negative Subscale	Does not apply, or none = 0; A little, some, or a lot = 1	1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Land Uses and Destinations								
		62)	What types of residential uses?	Route	Destinations and Land Use Section	Residential Density Subscale		
LU3a	No = 0; Yes = 1		<input type="checkbox"/> Single family houses			Residential Density Subscale	Single family only = 1	
LU3b	No = 0; Yes = 1		<input type="checkbox"/> Multi-unit homes (duplex, 4-plex, row house)			Residential Density Subscale	Multi-family only and any other mix= 2	
LU3c	No = 0; Yes = 1		<input type="checkbox"/> Apartments or condominiums			Residential Density Subscale	Multi-family only and any other mix= 2	
LU3d	No = 0; Yes = 1		<input type="checkbox"/> Apartments above street retail			Residential Density Subscale	Apartment over retail only =3	
LU3e	No = 0; Yes = 1		<input type="checkbox"/> Retirement/senior living facility			Residential Density Subscale	Multi-family only and any other mix= 2	
LU3f	No = 0; Yes = 1		<input type="checkbox"/> Other (mobile home, dormitory)			Residential Density Subscale	Multi-family only and any other mix= 2	
			<input type="checkbox"/> None			Residential Density Subscale	Commercial=0	
		63)	Shopping Centers	Route	Destinations and Land Use Section	Shops Subscale		
LU7a	No = 0; Yes = 1		<input type="checkbox"/> Shopping Mall			Shops Subscale	No = 0; Yes = 1	
LU7b	No = 0; Yes = 1		<input type="checkbox"/> Strip Mall			Shops Subscale	No = 0; Yes = 1	
LU7c	No = 0; Yes = 1		<input type="checkbox"/> Shopping Arcade			Shops Subscale	No = 0; Yes = 1	
			<input type="checkbox"/> None of the above			Shops Subscale		
		64)	How many of the following types of non-residential destinations are present? (Count both sides of street. Do not double count.)	Route	Destinations and Land Use Section			

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Food-related land uses								
LU6a	0 = 0; 1 = 1; 2+ = 2		a. Fast food restaurant (<i>national or local chain, primarily sells burgers, fried chicken, pizza, or "Americanized" Mexican, Chinese, etc.</i>)			Restaurant and Entertainment Negative Subscale; Healthy Food Access Negative Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6b	0 = 0; 1 = 1; 2+ = 2		b. Sit-down restaurant			Restaurant and Entertainment Positive Subscale; Healthy Food Access Positive Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6c	0 = 0; 1 = 1; 2+ = 2		c. Grocery/supermarket			Shops Subscale; Healthy Food Access Positive Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6d	0 = 0; 1 = 1; 2+ = 2		d. Convenience store (<i>may also be a gas station</i>)			Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6d_Recode						Healthy Food Access Negative Subscale	0 = 0; 1 or 2+ = 1	
LU6e	0 = 0; 1 = 1; 2+ = 2		e. Café or coffee shop			Restaurant and Entertainment Positive Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6f	0 = 0; 1 = 1; 2+ = 2		f. Liquor/alcohol store (<i>primarily sells alcohol, wine bar, strip club</i>)			Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6g	0 = 0; 1 = 1; 2+ = 2		g. Big box store (<i>e.g., Home Depot, Best Buy, Sears, Super Walmart, Target</i>)			Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6h	0 = 0; 1 = 1; 2+ = 2		h. Specialty Food Store (<i>e.g., ice cream, candy, bakery</i>)			Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6y	0 = 0; 1 = 1; 2+ = 2		i. Community garden			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6y_Recode	0 = 0; 1 = 1; 2+ = 2		l. Food trucks			Healthy Food Access Positive Subscale	0 = 0; 1 or 2+ = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Land Uses and Destinations (continued)								
Food-related land uses (continued)								
LU_B64j	0 = 0; 1 = 1; 2+ = 2		j. Farmer's market			Shops Positive Subscale, under food sub-section	0 = 0; 1 = 1; 2+ = 2	
LU_B64k	0 = 0; 1 = 1; 2+ = 2		k. Green carts			Shops Subscale; Healthy Food Access Positive Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64l	0 = 0; 1 = 1; 2+ = 2		l. Food trucks			Restaurant and Entertainment Positive Subscale; Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
Retail and service oriented land uses								
				Route	Destinations and Land Use Section			
LU6i	0 = 0; 1 = 1; 2+ = 2		m. Pharmacy or drug store			Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6j	0 = 0; 1 = 1; 2+ = 2		n. Bank or credit union			Institutional/Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6k	0 = 0; 1 = 1; 2+ = 2		o. Health-related professional (e.g. doctors, office)			Institutional/Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6l	0 = 0; 1 = 1; 2+ = 2		p. Entertainment (e.g., movie theatre, arcade)			Restaurant and Entertainment Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6m	0 = 0; 1 = 1; 2+ = 2		q. Other service (e.g., salon, lawyer, accountant, realtor, laundry/dry cleaner, commercial mailing service)			Institutional/Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6n	0 = 0; 1 = 1; 2+ = 2		r. Other retail (e.g., books, clothing, hardware, video rental)			Shops Subscale	0 = 0; 1 = 1; 2+ = 2	
Government or community land use								
				Route	Destinations and Land Use Section			

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Government or community land use (continued)								
LU6o	0 = 0; 1 = 1; 2+ = 2		s. Health or social services (e.g., hospital, health department, community action agency, police/fire stations, city hall, etc.)			Government Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6p	0 = 0; 1 = 1; 2+ = 2		t. Library/Museums			Government Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6q	0 = 0; 1 = 1; 2+ = 2		u. Post office			Government Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6r	0 = 0; 1 = 1; 2+ = 2		v. Senior center			Government Services Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6s	0 = 0; 1 = 1; 2+ = 2		w. Place of worship (e.g., church, synagogue, convent, mosque, etc.)			Worship Land Uses	0 = 0; 1 = 1; 2+ = 2	
Other land use								
				Route	Destinations and Land Use Section			
LU6t	0 = 0; 1 = 1; 2+ = 2		x. School			Positive Destinations and Land Use	0 = 0; 1 = 1; 2+ = 2	
LU6u	0 = 0; 1 = 1; 2+ = 2		y. Warehouse/factory/Industrial			Negative Destinations and Land Use Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6v	0 = 0; 1 = 1; 2+ = 2		z. Abandoned building			Negative Destinations and Land Use Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6w	0 = 0; 1 = 1; 2+ = 2		aa. Unmaintained lot/field			Negative Destinations and Land Use Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6x	0 = 0; 1 = 1; 2+ = 2		bb. Casino			Negative Destinations and Land Use Subscale	0 = 0; 1 = 1; 2+ = 2	

Land Uses and Destinations (continued)

Government or community land use (continued)

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Land Uses and Destinations (continued)								
Recreational facilities or destinations								
				Route	Destinations and Land Use Section			
LU6z	0 = 0; 1 = 1; 2+ = 2		cc. Private indoor fitness facility			Private Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B	0 = 0; 1 = 1; 2+ = 2		dd. Community recreation center			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU6ad	0 = 0; 1 = 1; 2+ = 2		ee. Park			Public Recreation Subscale; Park Amenities Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64ff	0 = 0; 1 = 1; 2+ = 2		ff. Playground at park or school			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64gg	0 = 0; 1 = 1; 2+ = 2		gg.Outdoor pool			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64hh	0 = 0; 1 = 1; 2+ = 2		hh. Golf course			Private Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64ii	0 = 0; 1 = 1; 2+ = 2		ii. Sports/playing field or court (e.g., baseball or tennis at park or school)			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64jj	0 = 0; 1 = 1; 2+ = 2		jj. Sports track			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64kk	0 = 0; 1 = 1; 2+ = 2		kk. Body of water, e.g., lake, ocean			Public Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	
LU_B64ll	0 = 0; 1 = 1; 2+ = 2		ll. Other recreational facility (e.g., skating rink, miniature golf)			Private Recreation Subscale	0 = 0; 1 = 1; 2+ = 2	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
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Land Uses and Destinations (continued)

Recreational facilities or destinations (continued)								
		65)	What activity areas are in the park? (Mark all that apply)	Route	Destinations and Land Use Section			
LU_B65a	No = 0; Yes = 1		<input type="checkbox"/> Tennis Courts			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65b	No = 0; Yes = 1		<input type="checkbox"/> Basketball Courts			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65c	No = 0; Yes = 1		<input type="checkbox"/> Other Courts (specify): _____			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65d	No = 0; Yes = 1		<input type="checkbox"/> Baseball Fields			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65e	No = 0; Yes = 1		<input type="checkbox"/> Football Fields			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65f	No = 0; Yes = 1		<input type="checkbox"/> Soccer Fields			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65g	No = 0; Yes = 1		<input type="checkbox"/> Other Fields (specify): _____			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65h	No = 0; Yes = 1		<input type="checkbox"/> Paths			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65i	No = 0; Yes = 1		<input type="checkbox"/> Playgrounds			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65j	No = 0; Yes = 1		<input type="checkbox"/> Green Spaces			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65k	No = 0; Yes = 1		<input type="checkbox"/> Golf Courses			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65l	No = 0; Yes = 1		<input type="checkbox"/> Swimming Pools			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65m	No = 0; Yes = 1		<input type="checkbox"/> Zoo			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65n	No = 0; Yes = 1		<input type="checkbox"/> Botanical Gardens			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65o	No = 0; Yes = 1		<input type="checkbox"/> Stables			Park Amenities Subscale	No = 0; Yes = 1	
LU_B65p	No = 0; Yes = 1		<input type="checkbox"/> Other (specify): _____			Park Amenities Subscale	No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 2								
C2_2	T-intersection = 1; 4-way = 2; >4-way = 3	66)	Intersection Geometry	Crossings Section		not used in positive or negative subscales		
		67)	Intersection Control: <input type="checkbox"/> None <input type="checkbox"/> Yield signs/Flashing yellow <input type="checkbox"/> Stop signs/Flashing red light	Crossings Section		Intersection Control and Signage Positive Subscale		
C2_1a	Yield signs No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_1b	Stop signs No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_1c	Traffic signal No = 0; Yes = 1		<input type="checkbox"/> Traffic signal			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_1d	Traffic circle No = 0; Yes = 1		<input type="checkbox"/> Traffic circle, Roundabout			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
Pedestrian Crossing at Intersection 2								
		68)	Signalization (if traffic signal present): <input type="checkbox"/> Any traffic signals have green arrows for dedicated vehicle turns <input type="checkbox"/> Pedestrian "Walk" signals present <input type="checkbox"/> Pedestrian push buttons present <input type="checkbox"/> Countdown signal <input type="checkbox"/> Audible walk signal <input type="checkbox"/> None of the Above	Crossings Section		Intersection Control and Signage Positive Subscale		
C2_3a	No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_3b	No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_3c	No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_3d	No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_3e	No = 0; Yes = 1					Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Pedestrian Crossing at Intersection 2 (continued)								
		69)	Crosswalk treatment	Crossings Section		Crosswalk Amenities Positive Subscale		
C2_8a	No = 0; Yes = 1		<input type="checkbox"/> Marked crosswalk			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C2_8b	No = 0; Yes = 1		<input type="checkbox"/> High-visibility striping			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C2_8c	No = 0; Yes = 1		<input type="checkbox"/> Stop lines on road or additional crosswalk warnings			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C2_8d	No = 0; Yes = 1		<input type="checkbox"/> Raised crosswalk			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C2_8e	No = 0; Yes = 1		<input type="checkbox"/> Different material than road			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
			<input type="checkbox"/> None of the Above					
		70)	Crossing features	Crossings Section		Intersection Control and Signage Positive Subscale; Crosswalk Amenities Positive Subscale		
			<input type="checkbox"/> Specifically identified lanes turning into crossing					
C2_11a	No = 0; Yes = 1		<input type="checkbox"/> Right turn			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_11b	No = 0; Yes = 1		<input type="checkbox"/> Left turn			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	
C2_11c	No = 0; Yes = 1		<input type="checkbox"/> Protected refuge islands			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
C2_11d	No = 0; Yes = 1		<input type="checkbox"/> One-way streets through crossing			Intersection Control and Signage Positive Subscale	No = 0; Yes = 1	

Intersection 2 (continued)

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 2 (continued)								
Pedestrian Crossing at Intersection 2 (continued)								
C2_11e	No = 0; Yes = 1		<input type="checkbox"/> Curb extension			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
			<input type="checkbox"/> None of the Above					
C2_6	No = 0; Yes = 1	71)	Gutters present in crossing	Crossings Section		Crossing Impediments Negative Subscale	No = 0; Yes = 1	
		72)	Other characteristics of crossing	Crossings Section		Crossing Impediments Negative Subscale; Crosswalk Amenities Positive Subscale		
C2_7a	No = 0; Yes = 1		<input type="checkbox"/> Steep slope or steep cross-slope at intersection			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C2_7b	No = 0; Yes = 1		<input type="checkbox"/> Temporary obstructions			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C2_7c	No = 0; Yes = 1		<input type="checkbox"/> Crossing aids (e.g., flags)			Crosswalk Amenities Positive Subscale	No = 0; Yes = 1	
			<input type="checkbox"/> None of the Above					
		73)	Miscellaneous problems	Crossings Section		Crossing Impediments Negative Subscale		
C2_12a	No = 0; Yes = 1		<input type="checkbox"/> Lack of lampposts or overhead street lamps			not used in positive or negative subscales		
C2_12b	No = 0; Yes = 1		<input type="checkbox"/> Poor condition of crossing surface			not used in positive or negative subscales		
C2_12c	No = 0; Yes = 1		<input type="checkbox"/> Poor visibility at corners			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C2_12d	No = 0; Yes = 1		<input type="checkbox"/> Faded or worn crosswalk markings			Crossing Impediments Negative Subscale	No = 0; Yes = 1	
C2_12e	No = 0; Yes = 1		<input type="checkbox"/> Unanticipated mid-segment crossing			not used in positive or negative subscales		

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Crosswalk Curb Cuts at Intersection 2								
Intersection 2 (continued)								
			Reason: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> None of the Above			not used in positive or negative subscales		
C2_12f			<input type="checkbox"/> Distance of crossing leg, including all potential parking and turn lanes _____ lanes wide			not used in positive or negative subscales		
C2_10_ trichot	#	74)	Distance of crossing leg, including all potential parking and turn lanes _____ lanes wide	Crossings Section		Road Width Negative Subscale	1 - 2 = 0; 3 - 4 = 1; 5 - Highest = 2	
C2_4	# of seconds No crosswalk = -777; No signal = -778	75)	Crosswalk timing: _____ seconds	Crossings Section		not used in positive or negative subscales		
C2_B12a	Pre-crossing has ramp (w tactile) = 1; Pre-crossing has ramp (w/o tactile) = 2; No ramp = 3	76)	Curb ramps, curb cuts, or mountable curbs? (a) Pre-crossing curb (on NES W side of street) (b) Post-crossing curb (on NES W side of street)	Crossings Section		Curb Quality/Presence Positive Subscale	Ramp (w tactile) = 1; Ramp (w/o tactile) = 1; No ramp = 0	2 = 1; 1 or 0 = 0
C2_B12b	Pre-crossing has ramp (w tactile) = 1; Pre-crossing has ramp (w/o tactile) = 2; No ramp = 3					Curb Quality/Presence Positive Subscale	Ramp (w tactile) = 1; Ramp (w/o tactile) = 1; No ramp = 0	
C2_5_ positive		77)	Alignment of curb cut/ramp and crossing?	Crossings Section		Curb Quality/Presence Positive Subscale		2 = 1; 1 or 0 = 0
C2_5_ negative						Crossing Impediments Negative Subscale		1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 2 (continued)								
Crosswalk Curb Cuts at Intersection 2 (continued)								
C2_5a	Ramp lines up w/xing = 1; Ramp does not line up = 2; No ramp = 3		(a) Pre-crossing curb (on <i>N E S W side of street</i>)			Curb Quality/Presence Positive Subscale; Crossing Impediments Negative Subscale	Ramp lines up w/xing = 1; Ramp does not line up = 1; No ramp = 0	
C2_5a_ positive			<input type="checkbox"/> Ramp lines up with crossing			Curb Quality/Presence Positive Subscale	Ramp lines up w/xing = 1	
C2_5a_opt2			<input type="checkbox"/> Ramp does not line up with crossing			Crossing Impediments Negative Subscale	Ramp does not line up = 1	
C2_5a_ negative			<input type="checkbox"/> No ramp			not used in positive or negative subscales		
C2_5b	Ramp lines up w/xing = 1; Ramp does not line up = 2; No ramp = 3		(b) Post-crossing curb (on <i>N E S W side of street</i>)			Curb Quality/Presence Positive Subscale; Crossing Impediments Negative Subscale	Ramp lines up w/xing = 1; Ramp does not line up = 1; No ramp = 0	
C2_5b_ positive			<input type="checkbox"/> Ramp lines up with crossing			Curb Quality/Presence Positive Subscale	Ramp lines up w/xing = 1	
C2_5b_opt2			<input type="checkbox"/> Ramp does not line up with crossing			not used in positive or negative subscales	Ramp does not line up = 1	
C2_5b_ negative			<input type="checkbox"/> No ramp			Crossing Impediments Negative Subscale		
C1_B78_ positive		78)	Rate the condition and quality of curb cut/ramp.			Curb Quality/Presence Positive Subscale;		2 = 1; 1 or 0 = 0
C1_B78_ negative						Crossing Impediments Negative Subscale		1 or 2 = 1; 0 = 0

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 2 (continued)								
Crosswalk Curb Cuts at Intersection 2 (continued)								
			a. Pre-crossing curb (on N E S W side of street)					
C1_B78a1_negative			<input type="checkbox"/> Ramp is passable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is passable = 0	
C1_B78a1_positive			<input type="checkbox"/> ADA-compliant slope (8.3% or less)			Curb Quality/Presence Positive Subscale	Ramp is passable = 1	
			<input type="checkbox"/> No broken area			not used in positive or negative subscales		
			<input type="checkbox"/> Broken area passable with little or no effort			not used in positive or negative subscales		
C1_B78a2_negative			<input type="checkbox"/> Ramp is impassable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is impassable = 1	
C1_B78a2_positive			<input type="checkbox"/> ADA-non-compliant slope (over 8.3%)			Curb Quality/Presence Positive Subscale	Ramp is impassable = 0	
			<input type="checkbox"/> Broken area impassable or only passable with high effort			not used in positive or negative subscales		
C1_B78a3			<input type="checkbox"/> No ramp			not used in positive or negative subscales		
			b. Post-crossing curb (on N E S W side of street)					

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 2 (continued)								
Crosswalk Curb Cuts at Intersection 2 (continued)								
C1_B78b1_ negative			<input type="checkbox"/> Ramp is passable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is passable = 0	
C1_b78b1_ positive			<input type="checkbox"/> ADA-compliant slope (8.3% or less) <input type="checkbox"/> No broken area <input type="checkbox"/> Broken area passable with little or no effort			not used in positive or negative subscales not used in positive or negative subscales not used in positive or negative subscales	Ramp is passable = 1	
C1_B78b2_ negative			<input type="checkbox"/> Ramp is impassable for mobility device (e.g., wheelchair)			Crossing Impediments Negative Subscale	Ramp is impassable = 1	
C1_B78b2_ positive			<input type="checkbox"/> ADA-non-compliant slope (over 8.3%) <input type="checkbox"/> Broken area impassable or only passable with high effort <input type="checkbox"/> No ramp			Curb Quality/Presence Positive Subscale not used in positive or negative subscales not used in positive or negative subscales	Ramp is impassable = 0	
C1_B78b3						not used in positive or negative subscales		
W1_B79	59 or below = 1; 60-69 = 2; 70-79 = 3; 80-89 = 4; 90 or above = 5	79)	What is the temperature (F) today?					

Variable	Coding	Item Number	BE Tool Item Content	MAPS Section	BE Tool Sub-section	MAPS Subscale	Scoring	Combined Scoring (Both sides added) = (Score)
Intersection 2 (continued)								
Crosswalk Curb Cuts at Intersection 2 (continued)								
W2_B80	Sunny = 1; Partly Sunny/Partly Cloudy = 2; Overcast = 3; Rainy = 4; Snowy = 5	80)	What is the weather today?					
W3_B81	No = 0; Yes = 1	81)	Does this segment need further evaluation during or after rainy periods?					

