

COMPLETE STREETS ADVISORY BOARD 2019 ANNUAL REPORT

BACKGROUND

The provisions of W.Va. Code §17-4A (the *Complete Streets Act*) stipulate that all transportation projects receiving federal or state funds should strive to improve safety, access and mobility for users of all ages and abilities, defined to include pedestrians, bicyclists, public transportation vehicles and their passengers, motorists, movers of commercial goods, persons with disabilities, older adults and children. Accommodation of all users should be considered in the planning, design, construction, reconstruction, rehabilitation, maintenance and operations of any state, county or local transportation facilities receiving funds from the Division of Highways (DOH). Further, the DOH is encouraged to 1) create a safe, comprehensive, integrated and connected network to accommodate all users in a manner that is suitable to the rural, suburban or urban context; and 2) to use the latest and best design standards as they apply to bicycle, pedestrian, transit and highway facilities.

The 16-member Complete Streets Advisory Board (the “Board”) was established by the West Virginia Legislature to 1) provide and facilitate communication, education and advice between the DOH, counties, municipalities, interest groups and the public; 2) to make recommendations to the DOH, counties and municipalities for restructuring procedures, updating design guidance, providing educational opportunities to employees and creating new measures to track the success of multimodal planning and design; and 3) to submit to the Joint Committee on Government and Finance, through the DOH, an annual report. A summary of the Board members for calendar year 2019 is included with this report.

ACTIVITIES

The Board met October 24, 2019, in Charleston, West Virginia. During that meeting, the Board:

- elected a chair;
- discussed:
 - the Annual Report required of the Board;
 - potential bicycle and pedestrian paths along Appalachian Corridor G;
 - implementing guidelines for regular brush cutting along bicycle paths; and
 - Bicycle Tours map for Country Roads; and
- formed subcommittees concerning:
 - Intermodal performance indicators
 - Strategic planning
 - Public Awareness.

In addition to the administration of the federally and State-funded highway program, the DOH continues to implement the Roads to Prosperity initiative throughout the State to improve safety, access and mobility for the traveling public. The scope of projects that have been completed or that are under construction by the DOH include new corridors along new alignments, expansion of existing facilities, operational improvements, resurfacing, maintenance and other similar activities.

Appropriate consideration is given to the inclusion of bicycle, pedestrian, and public transit accommodations, in accordance with the DOH Design Directives. The DOH Transportation Alternatives (TA) program provides funding that may be used for construction, planning and design of on-road and off-road trail facilities for pedestrians, bicyclists and other non-motorized forms of transportation including new or reconstructed sidewalks, walkways, or curb ramps, bicycle infrastructures, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990; and for construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults and individuals with disabilities to access daily needs. Several TA projects funded through the FY2018 program involve construction or reconstruction of pedestrian access routes along DOH roadways.

The DOH made no revisions during the reporting period to any Design Directive or other design guideline to facilitate complete streets implementation. While no multimodal performance indicators have been developed by the Board or by the DOH concerning bicycle or pedestrian travel, or for public transit utilization, the Board is moving toward such development through the Subcommittee formed for that purpose. The intent of the Board is to review this issue, and others, and propose appropriate indicators that may be considered for implementation.

A summary of crashes occurring on public streets and highways in West Virginia for calendar year 2019 is included in this report. Between 2018 and 2019, the percentage of non-motorist involved crashes Statewide remained relatively constant. The Board will continue to monitor these data and measures the DOH already is implementing as part of its highway safety programs to reduce crashes throughout the State.

NEXT STEPS

The Board intends to meet on a regular basis and develop recommendations for consideration by the DOH and others, as appropriate, for implementation of Complete Streets concepts. The implementation of subcommittees will facilitate that process.



West Virginia Division of Highways

Traffic Engineering Division

Summary of Crashes Occurring Public Streets and Highways

Date Range 01/01/2019 - 12/31/2019

Crashes:	34,050		
Injury Crashes:	9,061	Injuries:	13,126
Fatal Crashes:	247	Fatalities:	260
Property Damage Only Crashes:	24,742		
Vehicles Involved:	58,969	Non-Motorists Involved:	442

First Harmful Event		
Overturn/Rollover	1,060	3.11%
Fire / Explosion	15	0.04%
Immersion	8	0.02%
Jackknife	33	0.10%
Cargo Loss / Shift	72	0.21%
Person Fell / Jumped from Veh	28	0.08%
Thrown or Falling Object	92	0.27%
Other Non-Collision	564	1.66%
Pedestrian	282	0.83%
Pedalcycle	84	0.25%
Railroad Vehicle	10	0.03%
Animal	1,149	3.37%
Motor Vehicle in Transport	20,417	59.96%
Parked Vehicle	1,722	5.06%
Work Zone / Maint Equipment	30	0.09%
Other Non-Fixed Obj.	275	0.81%
Impact Attenuator	26	0.08%
Bridge Overhead Structure	11	0.03%
Bridge Pier or Support	25	0.07%
Bridge Rail	89	0.26%
Culvert	120	0.35%
Curb	87	0.26%
Ditch	1,359	3.99%
Embankment	1,189	3.49%
Guardrail Face	1,128	3.31%
Guardrail End	208	0.61%
Cable Median Barrier	191	0.56%
Concrete Traffic Barrier	391	1.15%
Other Traffic Barrier	25	0.07%
Tree (Standing)	867	2.55%
Utility Pole / Light Support	983	2.89%
Traffic Sign Support	201	0.59%
Traffic Signal Support	19	0.06%
Other Post, Pole, or Support	179	0.53%
Fence	371	1.09%
Mailbox	142	0.42%
Other Fixed Object	598	1.76%

Manner of Collision		
Single Vehicle Crash	11,694	34.34%
Rear End	8,716	25.60%
Head On	1,030	3.02%
Sideswipe Same Dir.	3,248	9.54%
Sideswipe Opp. Dir.	1,475	4.33%
Rear to Side	346	4.33%
Rear to Rear	112	0.33%
Angle (Front to Side) Same Dir.	1,501	4.41%
Angle (Front to Side) Opp. Dir.	1,562	4.41%
Right Angle	3,577	4.41%
Angle Direction Not Specified	789	4.41%

Relation to Junction / Junction Type		
Non-Junction	22,029	64.70%
Non-Interchange Area Junction	10,181	29.90%
Intersection	7,519	73.85%
Intersection-Related	2,392	23.49%
Interstate to Interstate	27	0.27%
Railroad Grade Crossing	35	0.34%
Median Crossover Related	17	0.17%
Bus or Res Driveway / Alley	1,149	11.29%
Other Non-Interchange	38	0.37%
Interchange Area Junction	1,805	5.30%
Thru Roadway	49	2.71%
Merge/Diverge Area	179	9.92%
Intersection	606	33.57%
Intersection-Related	225	12.47%
Entrance/Exit Ramp	881	48.81%
Other Part of Interchange	11	0.61%

Intersection Type		
4-Way Intersection	4,975	46.31%
T Intersection	3,976	37.01%
Y Intersection	396	3.69%
Part of Interchange	131	1.22%
Roundabout	79	0.74%
5-Point or More	33	0.31%

Location of First Harmful Event		
On Roadway	27,045	79.43%
Shoulder	2,530	7.43%
Median	360	1.06%
Roadside	3,037	8.92%
Gore	16	0.05%
Separator	33	0.10%
In Parking Lane or Zone	259	0.76%
Off Roadway, Loc Unknown	491	1.44%
Outside Right-of-Way	182	0.53%
Unknown	97	0.28%

West Virginia Division of Highways

Traffic Engineering Division

Date Range 01/01/2019 - 12/31/2019

Summary of Crashes Occurring Public Streets and Highways

Lighting Condition			Roadway Contributing Circumstances					
Daylight	24,607	72.27%	None	28,791	84.56%			
Dark - Lighted	2,967	8.71%	Surface Condition (Wet, Icy, etc)	4,340	12.75%			
Dark - Not Lighted	5,303	15.57%	Debris	165	0.48%			
Dawn	636	1.87%	Ruts, Holes, Bumps	107	0.31%			
Dusk	473	1.39%	Worn, Travel Polished Surface	7	0.02%			
Other	64	1.39%	Obstruction in Road	162	0.48%			
Environmental Contributing Circumstances			Pavement Markings Not Visible	33	0.10%			
None	27,793	81.62%	Shoulders	191	0.56%			
Weather Conditions	4,307	12.65%	Problem w/ Traffic Control Device	16	0.05%			
Physical Obstructions	184	0.54%	Work Zone	251	0.74%			
Glare	226	0.66%	Non-Highway Work	9	0.03%			
Animal(s) in Roadway	1,275	3.74%	Other	131	0.38%			
Other	404	1.19%	Work Zone Related		Highway Classification			
Weather Condition			Yes	708	2.08%	Interstate	4,538	13.33%
Clear	23,492	68.99%	No	33342	97.92%	US Routes	8,026	23.57%
Cloudy	4,430	13.01%	School Zone Related			WV Routes	9,447	27.74%
Fog / Smog / Smoke	231	0.68%	Yes	91	0.27%	County/HARP Routes	6,901	20.27%
Rain	4,586	13.47%	No	33959	99.73%	City Streets	5,137	15.09%
Sleet / Hail / Freezing Rain	415	1.22%	School Bus Involved			State Park/Forest Rd	1	0.00%
Snow	1,457	4.28%	No	33,823	99.33%	Private Rd	0	0.00%
Blowing Snow	97	0.28%	Yes, Directly	175	0.51%	Private Property/Off-Rd	0	0.00%
Severe Crosswinds	56	0.16%	Yes, Indirectly	52	0.15%	Other	0	0.00%
Blowing Sand / Soil / Dirt	1	0.00%	Road Surface Type			Reported By		
Other	145	0.43%	Asphalt	32,536	95.55%	State Police	5,778	16.97%
Roadway Surface Condition			Concrete	1,133	3.33%	City Police	14,499	42.58%
Dry	25,379	74.53%	Gravel	268	0.14%	County Sheriff Dept	13,679	40.17%
Wet	6,411	18.83%	Dirt	40	0.79%	Other	94	0.28%
Snow	812	2.38%	Brick	49	0.12%			
Slush	268	0.79%	Other	24	0.07%			
Ice / Frost	841	2.47%						
Water (Standing / Moving)	81	0.24%						
Mud, Dirt, Gravel, Sand	112	0.33%						

Month						Day						
January	2,878	8.45%	July	2,762	8.11%	Monday	5,036	14.79%				
February	2,674	7.85%	August	2,929	8.60%	Tuesday	5,086	14.94%				
March	2,691	7.90%	September	2,679	7.87%	Wednesday	5,274	15.49%				
April	2,621	7.70%	October	3,328	9.77%	Thursday	5,127	15.06%				
May	3,028	8.89%	November	2,767	8.13%	Friday	5,976	17.55%				
June	2,794	8.21%	December	2,899	8.51%	Saturday	4,069	11.95%				
						Sunday	3,482	10.23%				

Time of Day (By Hour)												
	12 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12
AM	575	422	399	398	356	569	974	1,816	1,562	1,395	1,605	1,880
	1.69%	1.24%	1.17%	1.17%	1.05%	1.67%	2.86%	5.33%	4.59%	4.59%	4.71%	5.52%
PM	2,102	2,098	2,361	2,836	2,873	2,792	1,998	1,475	1,194	951	804	615
	6.17%	6.16%	6.93%	8.33%	8.44%	8.20%	5.87%	4.33%	3.51%	3.51%	2.36%	1.81%

WEST VIRGINIA COMPLETE STREETS ADVISORY BOARD

As of December 31, 2019

	Advisory Board	Individual	Organization	Term expires	Home County
	<i>Members by virtue of position in State government</i>				
1	WVDOH Commissioner or designee	Mr. Byrd White	WVDOH		
2	WVDOT Secretary or designee	Mr. Byrd White	WVDOT		
3	WVDHHR Secretary or designee	Mr. Bill Crouch	WVDHHR		
	<i>Will and pleasure of Governor and appointed by Governor</i>				
4	Licensed engineer with expertise in transportation or civil engineering	Mr. Gary D. Facemyer	Mott MacDonald	6/30/2023	Kanawha
5	representing the American Planning Association	Ms. Breanna Shell	City of Huntington	6/30/2022	Cabell
6	representing a state association of Counties	The Honorable Nancy Cartmill	Cabell County Commission	6/30/2020	Cabell
7	representing state association of municipalities	The Honorable John Manchester	City of Lewisburg	6/30/2021	Ohio
8	representing a major regional or local public transportation agency	Mr. Douglas Pixler	Eastern Panhandle Transit Authority	6/30/2023	Grant
9	representing a national association of retired persons	Ms. Gaylene A. Miller	AARP - WV	6/30/2020	Kanawha
10	representing an organization interested in the promotion of bicycling	Mr. Stephen M. Fowler		6/30/2022	Kanawha
11	representing an organization interested in the promotion of walking and health	Ms. Helen M. Matheny	WVU HSC	6/30/2022	Kanawha
12	representing an organization representing persons with disabilities	Mr. Jerry Boyko	WV Statewide Independent Living Council	6/30/2022	Kanawha
13	representing an automobile and/or trucking organization	The Honorable Daniel Hall	WV Trucking Association	6/30/2021	Kanawha
14	general public interested in promoting complete streets policies: Cong Dist 1	Mr. Christiaan Abildso	WVU Public Health	6/30/2023	Monongalia
15	general public interested in promoting complete streets policies: Cong Dist 2	Mr. Dennis Strawn		6/30/2020	Kanawha
16	general public interested in promoting complete streets policies: Cong Dist 3	Mr. Chris Chiles	KYOVA Interstate Planning Commission	6/30/2021	Cabell