



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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November 19, 2021

MEMORANDUM

TO: Joint Committee on Government and Finance

FROM: Jimmy Wriston, P.E. *Jimmy Wriston, P.E.*
**Secretary of Transportation/
Commissioner of Highways**

SUBJECT: Complete Streets Advisory Board Annual Report

The Complete Streets Advisory Board is pleased to submit an Annual Report concerning the Board's activities during 2020. If additional information is needed regarding this document, please feel free to contact my office.

Enclosure

**cc: The Honorable Jim Justice, Governor
Breanna Shell, City of Huntington (Chair)**

COMPLETE STREETS ADVISORY BOARD 2020 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 2020 is included with this report.

ACTIVITIES

The Board intended to meet in May 2020 in conjunction with the West Virginia Department of Transportation Planning Conference, however the COVID-19 pandemic resulted in the cancellation of not only the Board meeting, but also the Planning Conference. The Board instead met June 25, 2020, with the meeting coordinated from Charleston, West Virginia. The Board members who are not WV Department of Transportation (WVDOT) and DOH representatives attended virtually, as did the public. During that meeting, the Board:

- heard an update of the Performance Measures subcommittee;
- discussed the proposed Elk-River Rail-Trail State Park that is to extend between Charleston and Sutton, and how the Board might be involved in the planning and implementation of that rail-trail corridor;
- discussed the manner in which State highways traversing through a municipality might incorporate complete streets concepts;

- discussed zone separation guidelines the Maryland State Highway Administration utilizes; and
- whether Board members have interest in an additional subcommittee for Best Practices and Case Studies.

The Board conducted a second meeting November 19, 2020. Due to travel and gathering restrictions associated with the COVID-19 pandemic, this meeting also was conducted by the WVDOT members from Charleston, West Virginia, with the other Board members and public attending virtually. During this meeting, the Board:

- Received updates of the activities of the subcommittees;
- Discussed initially focusing on County Commissions and Chambers of Commerce to increase public awareness of the Board and its mission;
- Attended a presentation (attached) by the DOH Planning Division concerning the current efforts to update the WVDOT Long-Range Transportation Plan; and
- Elected a Chair for 2021.

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 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 2020 is included in this report. Between 2019 and 2020, the number of non-motorist involved crashes Statewide decreased 24 percent. 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. The Board intends to gain a better understanding of the current processes and procedures utilized by the DOH for assessment and consideration of Complete Streets concepts, to allow the Board to determine the extent of modifications to those processes that might be desirable.



West Virginia Division of Highways

Traffic Engineering Division

Statewide Summary of Crashes

Date Range 01/01/2020 - 12/31/2020

Crashes: 28,239
 Injury Crashes: 7,388 Injuries: 10,560
 Fatal Crashes: 249 Fatalities: 267
 Property Damage Only Crashes: 20,602
 Vehicles Involved: 47,548 Non-Motorists Involved: 336

Manner of Collision		
Single Vehicle Crash	10,731	38.00%
Rear End	6,262	22.18%
Head On	939	3.33%
Sideswipe Same Dir.	2,599	9.20%
Sideswipe Opp. Dir.	1,380	4.89%
Rear to Side	268	0.95%
Rear to Rear	90	0.32%
Angle (Front to Side) Same Dir.	1,150	4.07%
Angle (Front to Side) Opp. Dir.	1,311	4.64%
Right Angle	2,864	10.14%
Angle Direction Not Specified	645	2.28%

Relation to Junction / Junction Type		
Non-Junction	18,521	65.59%
Non-Interchange Area Junction	8,137	28.81%
Intersection	6,128	75.31%
Intersection-Related	1,804	22.17%
Interstate to Interstate	20	0.25%
Railroad Grade Crossing	37	0.45%
Median Crossover Related	21	0.26%
Bus or Res Driveway / Alley	933	11.47%
Other Non-Interchange	25	0.31%
Interchange Area Junction	1,479	5.24%
Thru Roadway	49	3.31%
Merge/Diverge Area	95	6.42%
Intersection	465	31.44%
Intersection-Related	129	8.72%
Entrance/Exit Ramp	886	59.91%
Other Part of Interchange	9	0.61%

Intersection Type		
4-Way Intersection	3,929	46.08%
T Intersection	3,199	37.52%
Y Intersection	256	3.00%
Part of Interchange	99	1.16%
Roundabout	55	0.65%
5-Point or More	34	0.40%

First Harmful Event		
Overturn/Rollover	1,001	3.54%
Fire / Explosion	14	0.05%
Immersion	6	0.02%
Jackknife	37	0.13%
Cargo Loss / Shift	52	0.18%
Person Fell / Jumped from Veh	23	0.08%
Thrown or Falling Object	57	0.20%
Other Non-Collision	501	1.77%
Pedestrian	220	0.78%
Pedalcycle	57	0.20%
Railroad Vehicle	10	0.04%
Animal	1,088	3.85%
Motor Vehicle in Transport	15,793	55.93%
Parked Vehicle	1,512	5.35%
Work Zone / Maint Equipment	30	0.11%
Other Non-Fixed Obj.	266	0.94%
Impact Attenuator	25	0.09%
Bridge Overhead Structure	22	0.08%
Bridge Pier or Support	13	0.05%
Bridge Rail	73	0.26%
Culvert	113	0.40%
Curb	97	0.34%
Ditch	1,278	4.53%
Embankment	998	3.53%
Guardrail Face	994	3.52%
Guardrail End	161	0.57%
Cable Median Barrier	159	0.56%
Concrete Traffic Barrier	465	1.65%
Other Traffic Barrier	31	0.11%
Tree (Standing)	750	2.66%
Utility Pole / Light Support	975	3.45%
Traffic Sign Support	160	0.57%
Traffic Signal Support	19	0.07%
Other Post, Pole, or Support	179	0.63%
Fence	377	1.34%
Mailbox	137	0.49%
Other Fixed Object	546	1.93%

Location of First Harmful Event		
On Roadway	21,873	77.46%
Shoulder	2,242	7.94%
Median	286	1.01%
Roadside	2,847	10.08%
Gore	8	0.03%
Separator	36	0.13%
In Parking Lane or Zone	256	0.91%
Off Roadway, Loc Unknown	420	1.49%
Outside Right-of-Way	182	0.64%
Unknown	89	0.32%



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Statewide Summary of Crashes

Date Range 01/01/2020 - 12/31/2020

Lighting Condition		
Daylight	19,836	70.24%
Dark - Lighted	2,683	9.50%
Dark - Not Lighted	4,788	16.96%
Dawn	451	1.60%
Dusk	443	1.57%
Other	38	1.57%

Environmental Contributing Circumstances		
None	22,703	80.40%
Weather Conditions	3,826	13.55%
Physical Obstructions	153	0.54%
Glare	178	0.63%
Animal(s) in Roadway	1,190	4.21%
Other	317	1.12%

Weather Condition		
Clear	18,880	66.86%
Cloudy	3,670	13.00%
Fog / Smog / Smoke	264	0.93%
Rain	4,668	16.53%
Sleet / Hail / Freezing Rain	228	0.81%
Snow	1,150	4.07%
Blowing Snow	87	0.31%
Severe Crosswinds	21	0.07%
Blowing Sand / Soil / Dirt	0	0.00%
Other	62	0.22%

Roadway Surface Condition		
Dry	20,296	71.87%
Wet	6,345	22.47%
Snow	670	2.37%
Slush	160	0.57%
Ice / Frost	429	1.52%
Water (Standing / Moving)	94	0.33%
Mud, Dirt, Gravel, Sand	106	0.38%

Road Surface Type		
Asphalt	26,893	95.23%
Concrete	935	3.31%
Gravel	272	0.18%
Dirt	50	0.96%
Brick	52	0.18%
Other	37	0.13%

Roadway Contributing Circumstances		
None	23,532	83.33%
Surface Condition (Wet, Icy, etc)	3,881	13.74%
Debris	135	0.48%
Ruts, Holes, Bumps	69	0.24%
Worn, Travel Polished Surface	9	0.03%
Obstruction in Road	145	0.51%
Pavement Markings Not Visible	19	0.07%
Shoulders	157	0.56%
Problem w/ Traffic Control Device	16	0.06%
Work Zone	309	1.09%
Non-Highway Work	10	0.04%
Other	121	0.43%

Highway Classification		
Interstate	3,754	13.29%
US Routes	6,721	23.80%
WV Routes	8,049	28.50%
County/HARP Routes	5,650	20.01%
City Streets	3,971	14.06%
State Park/Forest Rd	5	0.02%
Private Rd	89	0.32%
Private Property/Off-Rd	0	0.00%
Other	0	0.00%

Reported By		
State Police	5,134	18.18%
City Police	11,459	40.58%
County Sheriff Dept	11,561	40.94%
Other	85	0.30%

Month					
January	2,497	8.84%	July	2,487	8.81%
February	2,557	9.05%	August	2,529	8.96%
March	1,974	6.99%	September	2,472	8.75%
April	1,456	5.16%	October	2,837	10.05%
May	2,066	7.32%	November	2,437	8.63%
June	2,333	8.26%	December	2,594	9.19%

Day		
Monday	3,846	13.62%
Tuesday	4,320	15.30%
Wednesday	4,396	15.57%
Thursday	4,377	15.50%
Friday	4,836	17.13%
Saturday	3,517	12.45%
Sunday	2,947	10.44%

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	537	382	371	349	305	427	804	1,174	1,181	1,146	1,271	1,577
	1.90%	1.35%	1.31%	1.24%	1.08%	1.51%	2.85%	4.16%	4.18%	4.18%	4.50%	5.58%
PM	1,842	1,818	2,022	2,296	2,251	2,118	1,748	1,298	1,110	919	722	571
	6.52%	6.44%	7.16%	8.13%	7.97%	7.50%	6.19%	4.60%	3.93%	3.93%	2.56%	2.02%



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Date Range 01/01/2020 - 12/31/2020

Work Zone Related			Type of Work Zone			Location in Work Zone		
Yes	711	2.52%	Lane Closure	255	35.86%	Before 1st Warning Sign	27	3.80%
No	27528	97.48%	Lane Shift/Crossover	132	18.57%	Advance Warning Area	62	8.72%
			Work on Shoulder or Median	185	26.02%	Transition (Merge) Area	182	25.60%
			Intermittent or Moving Work	40	5.63%	Activity Area	411	57.81%
			Other	89	12.52%	Termination Area	19	2.67%
Workers Present								
Yes	304	42.76%						
No	363	51.05%						
Unknown	34	4.78%						
School Zone Related			Type of School Zone Sign			School Bus Involved		
Yes	43	0.15%	When Present	12	27.91%	No	28,128	99.61%
No	28196	99.85%	When Flashing	21	48.84%	Yes, Directly	89	0.32%
			Lists Specific Times	2	4.65%	Yes, Indirectly	20	0.07%
			None	8	18.60%			
			School Zone Flashers					
			Present - Not Active	7	16.28%			
			Present - Active	19	44.19%			
			Not Present	17	39.53%			