Missionwood Consulting, Inc. 8308 Raymond Lane Potomac, MD 20854-3729 301-765-9470 garson@comcast.net

December 20, 2017

Jeffrey T. Folden, P.E., DBIA Chief, Innovative Contracting MDOT State Highway Administration email address: I495_I270_P3@sha.state.md.us

In response to your Request for Information (RFI) dated September 21, 2017 Missionwood Consulting Inc., would like to offer the following recommendations.

I-495 proposals

We would like to recommend some fairly simple and lower cost solutions to help the traffic on the Beltway I-495 before the massive addition of two toll lanes on the Beltway could occur. The major construction would be a P3 project.

Close the ramp from US 29 Colesville Road Southbound to the Westbound I-495 and the ramp from Northbound US 29 to the Westbound I-495 between 6:00 AM to 10:00 AM each weekday except on holidays to reduce the already overloaded Beltway which has a speed of often less than 15 MPH, which indicates that there is no additional capacity. Another alternative is charging a large toll to enter the Beltway westbound from 6:00 AM to 10:00 AM weekdays. This will encourage the drivers to enter I-495 westbound at MD 97 Georgia Avenue or Connecticut Avenue MD 185, which both have additional capacity. The ramp from Georgia Avenue, is a downhill ramp which permits traffic to flow at a faster speed.

During the month of November, 2017 the peak hour for Westbound traffic was between 5:00 and 6:00 AM on all weekdays westbound except Veterans Day, Thanksgiving and Black Friday.

We see that on most weekdays the traffic peaks between 5:00 AM and 6:00 AM in the AM period at the traffic counter located on IS 495 - .82 Mile West of MD 650 (ATR#41).

This will reduce the congestion on the Westbound I-495 caused by excess traffic slowing the Westbound Beltway I-495 caused by adding traffic when there is no capacity. Electronic signs warning of this closure or tolls would have to be posted before US 29 passes New Hampshire Avenue MD 650, On US 29 before University Boulevard MD 193, On Northbound US 29 before Dale Drive and on University Boulevard MD 193 in both directions before the intersections with US 29 Colesville Road.

The addition of traffic detectors on Westbound I-495 at the exits for Georgia Avenue MD 97 and Connecticut Avenue MD 185. These detectors will activate a green light off of I-495 whenever the traffic starts backing up on the exit ramp and would not turn red until the traffic stops backing up.

The backups are caused by the inability of all the traffic being able to exit the Beltway I-495 in a timely basis.

The traffic lights in the morning on Georgia Avenue MD 97 from 5:00 to 10:00 AM should be synchronized Northbound to Plyers Mill Road and Southbound to just past 16th Street from I-495 to improve traffic exiting I-495.

The traffic lights in the morning on Connecticut Avenue MD 185 from 5:00 to 10:00 AM should be synchronized Southbound to the District of Columbia Line from I-495 to improve traffic exiting I-495. The amount of Southbound time should be sufficient to clear any delays on I-495 in each direction.

We see that on most weekdays the traffic peaks between 5:00 AM and 6:00 AM in the AM period at the traffic counter located on IS 495 - .82 Mile West of MD 650 (ATR#41).

The addition of a ramp from the Walter Reed National Medical Center to The Eastbound Beltway I-495 would reduce the congestion on Northbound MD 355 and help the traffic flow smoother on the Beltway.

Widening the ramp on Eastbound I-495 onto Connecticut Avenue MD 185 and providing two lanes for at least 2,000 feet onto Southbound Connecticut Avenue MD 185 would improve the traffic flow on the Beltway.

We see that the Westbound peak morning traffic during the month of November occurs between 5:00 AM and 6:00 AM on all weekdays east of New Hampshire Avenue MD 650 except the Holidays of Veterans Day, Thanksgiving and Black Friday. The two peak hours during November occurred on a Saturday and Sunday. Attached is an analysis of the November 2017 traffic.

Widening of the bridge over the Northwest Branch between MD 650 and MD 193 will be needed.

One of the major reasons for the Beltway I-495 to have congestion after 3:00 PM to 7:00 PM Eastbound from Virginia is the inability of I-270 to accept the traffic wanting to go Northbound on I-270 when HOV restrictions are in effect. This results in a loss of over 30% of the capacity of the road. The peak afternoon hour occurred before 3:00 PM on all weekdays in the Month of November 2017. Normal peak hours of traffic would occur between 4:00 and 7:00 PM. Consideration to reducing the 3 hour PM HOV restrictions to one hour or eliminating them until construction of the Toll lanes on the Northbound Western spur, should be considered.

By increasing the average speed to 45-55 MPH, we could increase the capacity of the road from often as low as 3,000 vehicles per hour to over 7,000 vehicles per hour which we often reach on Sundays or in the afternoon. Prompt clearing of accidents with tow trucks and large wreckers would also increase capacity. In the afternoon most days the PM peaks exceed 6,000 vehicles per hour with some peaks over 7,500 vehicles per hour.

It the afternoons the traffic flows at or near the posted speed limit between I-95 and the Western Spur of I-270 on most days.

I-270 proposals

A solution to the portion of I-495 from I -270 to the American Legion Bridge will be partly solved by the I-270 congestion relief proposal which follows.

The proposal we have is for constructing a toll bridge over the Potomac River near the intersection of River Road MD 190 and Seneca Road MD 112. The bridge would connect to Virginia 602 which is near Virginia Route 7. The total length of the bridge and connecting ramps would be about 2 miles. The toll collected on this bridge would easily make this bridge and ramps self-sustaining. This bridge would probably be 2 lanes in each direction with two bicycle and one pedestrian path. The bicycle and pedestrian path.

This toll bridge could be built by the Maryland Transportation Authority, which already has the authority to build a bridge across the Potomac River. This bridge could easily accommodate over 4,000 vehicles per peak hours in the AM and PM periods which would reduce the number of vehicles using the American Legion Bridge. This could be a P3 project. The three roads that leave the area of the proposed bridge have a rated capacity of 1,800 vehicles since there are no traffic lights near the intersection.

Currently Montgomery County and Fairfax Counties, each of which has over 1,000,000 residents and only has one bridge connecting both counites. Most major metropolitan areas have many more bridges connection major job and transportation centers.

This will significantly reduce the number of vehicles crossing the American Legion Bridge which averages over 240,000 vehicles per week day.

A larger bridge could be built connecting I-270 starting along the Pepco High Voltage lines which has a 300 foot wide right of way. These power lines are located on the west side of I 270 North of Montgomery Village Avenue MD 124 and South of Middlebrook Road. The local cross street in the area is Game Preserve Road, the proposed road would continue towards Dickerson and turning south at some point and connecting with Virginia 28 at the most convenient point decided by both Maryland and Virginia. This routing does not have to have any additional entrances or exits in Maryland other than at I -270. This roadway could be six lanes wide. The power lines would be relocated underground and cooled to near zero Kelvin, using liquid nitrogen and the power line losses would be reduced to near zero. New York City and other cities have underground transmission lines An additional benefit would be that there would be no power outages due to lighting strikes. The access would be along the median or side of the proposed road. This would be a P3 project. The northbound traffic from I-370 and MD 200 the ICC using this route in the Morning and afternoon would be counter peak direction.

Widening of I-270 south of Montgomery Village Avenue MD 124 to Montrose Road by adding 2 HOT lanes could be done in the Current Right of Way by eliminating the barrier between the main lanes and the Collector Distributor (CD) lanes. This will eliminate the use the right main lane as breakdown lane and provide one additional full lane of traffic. Elimination of the barrier between the current lanes and the smaller additional width on the left additional space on the CD lanes will add additional space for the new lane. North of Montgomery Village Avenue in some locations there is enough space in within the right of way to build two additional toll lanes. In locations where the current right of way is insufficient to build the two additional lanes within the right of way will have to be obtained through eminent domain. This project would be a P3.

One quick fix for I-270 north of Montgomery Village Avenue MD 124 would be to raise the Northbound speed limit from 55 MPH to 65 MPH to the location of where it currently is at 65 MPH. This would provide about 20% more capacity for a few thousands of dollars. This is the cost of changing the 5 to a 6 on the few signs that indicate 55 MPH speed limit. Currently the speed limit on I-95 between I-495 and I-695 is 65 MPH which provides more capacity.

If you require any additional details, please feel free to contact us.

Missionwood Consulting, Inc. 8308 Raymond Lane Potomac, MD 20854-3729 301-765-9470

December 20, 2017

Missionwood Consulting Inc. is a Maryland Corporation operating since July 1996.

Our President, Jerry Garson is a Certified Public Accountant licensed in Maryland and New York State. He has been licensed in New York since August, 1971.

He was a member of Community Board 12 Brooklyn, NY from 1978 to July 1990 when he moved to Potomac, Maryland

Member Transportation Committee Community Board 12, Chairman of Budget and Long- Range Planning Committee of Community Board 12, In this capacity held public hearings and signed off on transportation projects in the Area including the reconstruction of Ocean Parkway which was paid for using Federal Aid to Urban Systems funding. Recommended which projects would be constructed in the area which had a population of over 250,000 residents.

Placed items in the New York City Budget after holding hearings on the items including the 3rd water tunnel for the City of New York, which took over 25 years after construction started to complete.

Member of the Borough Board of Brooklyn, New York, which has one member from each of the 18 Community Boards in Brooklyn and all the elected officials as members.

Transportation Chairman of the Citywide Coalition of Community Boards made up of representatives of the 59 Community Boards in New York City.

After moving to Maryland in 1990 he continued to be active in transportation projects including and testifying on projects including widening the spurs and rebuilding the intersection at Democracy Boulevard and I-270

Member of the Metropolitan Washington Council of Governments Citizens Advisory Committee to the Transportation Planning Board.

Proposed to the Commonwealth of Virginia for the widening of the exit from the Southbound Beltway I-495 to the Westbound Dulles Toll Road which was constructed. This project eased some of the Westbound Congestion on I-495 and improved the traffic flow westbound.

Worked with the Maryland Transportation Authority to propose and make recommendations for building the Intercounty Connector MD 200. Using data from the State Highway Administration ATR system that showed that the peak hour during the AM for the westbound Beltway traffic was between 5:00 AM and 6:00 AM on weekdays. This also showed there would be sufficient traffic volumes that would support tolls

He was a member of the Montgomery County Board of Elections for almost 4 years including being the President of the Board.

Currently the Transportation Chairman, of the Montgomery County Civic Federation, Inc., a county wide organization that includes civic associations and some local governments.

Currently a member of the Suburban Maryland Transportation Alliance.

Currently a member of the Citizens Advisory Committee to the Maryland 355 Bus Rapid Transit project.

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12:00 AM	1:00 AM	1,097	1,038	1,181	1,863		1,050	974	903	955	1,377	1,664	1,940	1,115	981
1:00 AM	2:00 AM	719	750	838	1,271		759	670	618	741	823	1,154	1,219	743	639
2:00 AM	3:00 AM	681	675	716	1,030		612	584	553	650	718	952	915	531	566
3:00 AM	4:00 AM	1,025	920	954	875		880	875	887	920	960	849	817	786	939
4:00 AM	5:00 AM	2,449	2,381	2,344	1,183		2,529	2,560	2,447	2,554	1,769	1,089	716	2,349	2,351
5:00 AM	6:00 AM	6,179	6,357	6,108	2,039		6,629	6,456	6,502	6,457	4,384	1,721	1,084	6,185	6,411
6:00 AM	7:00 AM	5,684	5,884	5,926	3,169		6,164	6,234	5,857	4,736	5,638	3,022	1,828	5,760	5,954
7:00 AM	8:00 AM	4,566	4,398	4,899	4,290		5,222	4,747	4,434	3,883	4,861	4,007	2,583	4,862	4,605
8:00 AM	9:00 AM	4,486	4,336	4,866	5,651		4,940	4,370	4,599	4,041	5,143	5,413	3,477	4,679	5,088
9:00 AM	10:00 AM	5,889	5,639	6,353	6,090		5,977	5,436	5,764	5,442	6,119	6,202	4,634	5,745	5,671
10:00 AM	11:00 AM	5,526	6,096	6,348	6,170		5,928	5,841	6,063	5,641	6,988	6,446	5,985	5,697	5,456
11:00 AM		4,953	5,302	6,274	6,472		5,751	5,442	5,905	5,519	6,615	6,649	6,521	5,080	4,743
12:00 PM	1:00 PM	5,062	5,286	5,327	6,753		5,918	5,619	5,502	5,829	6,942	6,895	6,963	5,824	5,722
1:00 PM	2:00 PM	5,329	5,953	4,143	7,194		6,020	5,362	6,070	6,715	6,294	6,586	7,135	5,947	5,932
2:00 PM	3:00 PM	6,234	6,781	4,191	7,058		6,898	5,190	7,076	6,773	6,315	7,012	7,149	6,826	6,942
3:00 PM	4:00 PM	5,919	6,460	4,851	6,978		6,589	5,074	6,839	6,222	6,624	6,810	7,159	4,146	6,583
4:00 PM	5:00 PM	6,819	6,457	5,474	7,123		6,286	5,421	6,739	6,664	6,049	6,733	7,148	5,878	6,558
5:00 PM	6:00 PM	6,628	6,370	5,378	7,177		6,359	5,488	6,742	6,496	6,120	6,877	6,270	6,413	6,325
6:00 PM	7:00 PM	6,392	6,179	5,877	6,198		6,084	5,291	6,372	5,180	6,051	6,229	4,353	6,328	5,846
7:00 PM	8:00 PM	5,577	6,014	5,886	5,525		5,264	4,918	4,991	6,493	5,983	4,859	4,795	4,701	5,265
8:00 PM	9:00 PM	4,037	4,407	5,212	4,530		3,676	3,602	3,985	5,115	4,934	4,451	5,052	3,675	3,697
9:00 PM		3,561	3,882	4,157	4,183		3,105	3,163	3,356	4,401	4,023	4,223	3,525	3,309	3,300
10:00 PM		2,573	2,946	3,674	3,646		2,476	2,461	2,750	3,501	3,595	3,698	2,998	2,500	2,530
11:00 PM	12:00 AM	1,568	1,951	2,797	2,825		1,429	1,481	1,663	2,367	2,528	2,860	1,709	1,472	1,576
Total :		102,953	106,462	103,774	109,293		106,545	97,259	106,617	107,295	110,853	106,401	95,975	100,551	103,680
	cause of th					etween 5	5:00 AM ar	nd 6:00 AN	1 is	Schedule	prepared	by Missior	wood Cor	nsulting, In	С.
	occurring														
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6:00 AM 7:00 AM 5,543 5,670 5,304 3,042 5,875 5,884 5,760 5,413 4,652 2,581 1,694 5,612 7:00 AM 8:00 AM 6,844 6,675 6,520 4,407 6,873 6,937 7,056 6,547 5,634 4,149 2,746 6,688 8:00 AM 9:00 AM 6,610 6,491 5,420 5,125 3,818 6,753 9:00 AM 10:00 AM 6,610 6,491 5,940 6,436 6,142 6,411 5,972 6,342 6,103 5,302 6,194 10:00 AM 1:00 PM 5,677 6,087 5,932 7,019 5,832 5,888 5,877 6,162 6,733 7,047 6,308 5,656 1:00 PM 5,071 6,423 6,747 7,019 6,069 5,761 6,297 6,663 6,441 7,199 6,641 7,557 7,531 6,424 6,501 7,200 1:00 PM 2:00 PM 6,747 7,313 3,169 6,917 7,730 6,541 7,553 7,62	4:00 AM	5:00 AM	1,436	1,426	1,416	958		1,510	1,382	1,445	1,485	1,322	932	742	1,373	1,419
7:00 AM 8:00 AM 6,844 6:675 6:520 4:407 6:873 6:937 7:050 6:547 5:634 4:149 2:746 6:688 8:00 AM 9:00 AM 6:961 6:088 6:394 5:293 6:893 6:987 7:076 6:809 5:790 5:215 3:818 6;753 9:00 AM 10:00 AM 6:610 6:491 5:440 5:990 6:436 6:142 6:411 5:972 6:342 6:103 5:302 6:194 10:00 AM 12:00 PM 5:677 6:087 5:787 6:162 6:733 7.047 6:803 4:810 12:00 PM 1:00 PM 5,721 6:423 6;747 7.019 6:069 5:761 6:297 6:663 6:941 7.138 6:308 5:656 1:00 PM 2:00 PM 6:742 6:522 6:451 7.064 6.411 6:089 6:812 7:314 7.094 6:824 7:200 3:00 PM 4:00 PM 7.888 7.331 3:169 6:917 7:730 6:541 7:553 7:623	5:00 AM	6:00 AM	3,517	3,533	3,471	1,742		3,645	3,579	3,560	3,567	2,740	1,396	891	3,487	3,576
8:00 AM 9:00 AM 6,961 6,808 6,394 5,293 6,893 6,987 7,076 6,809 5,790 5,215 3,818 6,753 9:00 AM 10:00 AM 6,610 6,491 5,440 5,990 6,436 6,142 6,411 5,972 6,342 6,103 5,302 6,194 10:00 AM 11:00 AM 5,962 6,185 5,590 6,312 6,776 5,670 5,766 5,787 6,601 6,807 6,912 5,486 11:00 AM 12:00 PM 5,677 6,087 5,932 7,019 5,832 5,888 5,877 6,162 6,733 7,047 6,830 4,810 12:00 PM 1:00 PM 5,771 6,423 6,747 7,019 6,069 5,761 6,297 6,663 6,941 7,139 6,308 5,656 10:00 PM 7,087 7,331 3,169 6,917 7,703 6,541 7,553 7,623 6,824 7,501 6,426 6,501 7,200 3:00 PM 7,538 7,084 3,753 6,596 7	6:00 AM	7:00 AM	5,543	5,670	5,304	3,042		5,875	5,884	5,760	5,413	4,652	2,581	1,694	5,612	5,742
9:00 AM 10:00 AM 6,610 6,491 5,440 5,990 6,436 6,142 6,411 5,972 6,342 6,103 5,302 6,194 10:00 AM 11:00 AM 5,962 6,185 5,590 6,312 6,776 5,670 5,787 6,601 6,807 6,912 5,486 11:00 AM 12:00 PM 5,677 6,087 5,932 7,019 5,832 5,888 5,877 6,162 6,733 7,047 6,830 4,810 12:00 PM 1:00 PM 5,721 6,423 6,747 7,019 6,689 6,812 7,314 7,094 6,180 6,240 6,637 1:00 PM 2:00 PM 6,787 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,824 7,255 4:00 PM 7,378 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,661 7,452 5:00 PM	7:00 AM	8:00 AM	6,844	6,675	6,520	4,407		6,873	6,937	7,050	6,547	5,634	4,149	2,746	6,688	6,447
10:00 AM 11:00 AM 5,962 6,185 5,590 6,312 6,776 5,670 5,766 5,787 6,601 6,807 6,912 5,486 11:00 AM 12:00 PM 5,677 6,087 5,932 7,019 5,832 5,888 5,877 6,162 6,733 7,047 6,830 4,810 12:00 PM 1:00 PM 5,721 6,423 6,747 7,019 6,069 5,761 6,297 6,663 6,941 7,139 6,308 5,656 1:00 PM 2:00 PM 6,742 6,522 6,451 7,064 6,411 6,089 6,812 7,314 7,094 6,180 6,240 6,637 2:00 PM 3:00 PM 7,388 7,138 3,370 7,149 7,720 6,541 7,553 7,623 6,830 7,286 6,824 7,255 4:00 PM 7,084 3,753 6,596 7,599 6,113 7,462 7,362 6,547 6,992 6,661 7,452 5:00 PM 6:00 PM 7,002 6,973 4,003 5,390 6,908 5	8:00 AM	9:00 AM	6,961	6,808	6,394	5,293		6,893	6,987	7,076	6,809	5,790	5,215	3,818	6,753	6,622
11:00 AM 12:00 PM 5,677 6,087 5,932 7,019 5,832 5,888 5,877 6,162 6,733 7,047 6,830 4,810 12:00 PM 1:00 PM 5,721 6,423 6,747 7,019 6,069 5,761 6,297 6,663 6,941 7,139 6,308 5,656 1:00 PM 2:00 PM 6,742 6,522 6,451 7,064 6,411 6,089 6,812 7,314 7,094 6,180 6,240 6,637 2:00 PM 3:00 PM 7,388 7,138 3,370 7,149 7,422 6,304 7,757 7,511 6,425 6,442 6,501 7,200 3:00 PM 5:00 PM 7,687 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,824 7,255 5:00 PM 7:009 M 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5	9:00 AM	10:00 AM	6,610	6,491	5,440	5,990		6,436	6,142	6,411	5,972	6,342	6,103	5,302	6,194	6,031
12:00 PM 1:00 PM 5,721 6,423 6,747 7,019 6,069 5,761 6,297 6,663 6,941 7,139 6,308 5,656 1:00 PM 2:00 PM 6,742 6,522 6,451 7,064 6,411 6,089 6,812 7,314 7,094 6,180 6,240 6,637 2:00 PM 3:00 PM 7,388 7,138 3,370 7,149 7,422 6,304 7,757 7,531 6,425 6,442 6,501 7,200 3:00 PM 4:00 PM 7,878 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,824 7,255 4:00 PM 5:00 PM 7,538 7,084 3,753 6,596 7,599 6,113 7,462 7,362 6,547 6,992 6,661 7,452 5:00 PM 6:00 PM 7,205 6,973 4,003 5,390 6,908 5,941 7,131 6,751 6,508 6,450 6,594 6,972 6:00 PM 7.00 PM 6,901 7,077 4,873 5,4	10:00 AM	11:00 AM	5,962	6,185	5,590	6,312		6,776	5,670	5,766	5,787	6,601	6,807	6,912	5,486	5,900
1:00 PM 2:00 PM 6,742 6,522 6,451 7,064 6,411 6,089 6,812 7,314 7,094 6,180 6,240 6,637 2:00 PM 3:00 PM 7,388 7,138 3,370 7,149 7,422 6,304 7,757 7,531 6,425 6,442 6,501 7,200 3:00 PM 4:00 PM 7,878 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,824 7,255 4:00 PM 5:00 PM 7,538 7,084 3,753 6,596 7,599 6,113 7,462 7,362 6,547 6,992 6,661 7,452 5:00 PM 6:00 PM 7,205 6,973 4,003 5,390 6,908 5,941 7,131 6,751 6,508 6,450 6,924 6,652 6:00 PM 7:00 PM 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5,42	11:00 AM	12:00 PM	5,677	6,087	5,932	7,019		5,832	5,888	5,877	6,162	6,733	7,047	6,830	4,810	5,475
2:00 PM 3:00 PM 7,388 7,138 3,370 7,149 7,422 6,304 7,757 7,531 6,425 6,442 6,501 7,200 3:00 PM 4:00 PM 7,878 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,824 7,255 4:00 PM 5:00 PM 7,538 7,084 3,753 6,596 7,599 6,113 7,462 7,362 6,547 6,992 6,661 7,452 5:00 PM 6:00 PM 7,205 6,973 4,003 5,390 6,908 5,941 7,131 6,751 6,508 6,450 6,594 6,972 6:00 PM 7:00 PM 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5,422 5,621 4,394 6,307 6,429 5,937 5,730 5,665	12:00 PM	1:00 PM	5,721	6,423	6,747	7,019		6,069	5,761	6,297	6,663	6,941	7,139	6,308	5,656	6,019
3:00 PM 4:00 PM 7,878 7,331 3,169 6,917 7,730 6,541 7,553 7,623 6,830 7,286 6,824 7,255 4:00 PM 5:00 PM 7,538 7,084 3,753 6,596 7,599 6,113 7,462 7,362 6,547 6,992 6,661 7,452 5:00 PM 6:00 PM 7,205 6,973 4,003 5,390 6,908 5,941 7,131 6,751 6,508 6,450 6,594 6,972 6:00 PM 7:00 PM 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5,422 5,621 4,394 6,307 6,429 5,937 5,730 5,665 5,930 8:00 PM 9:00 PM 5,083 5,640 5,754 4,735 4,216 4,622 5,183 5,657 4,842 4,600 4,369 4,413 9:00 PM 10:00 PM 3,270 3,351 4,017 4,3	1:00 PM	2:00 PM	6,742	6,522	6,451	7,064		6,411	6,089	6,812	7,314	7,094	6,180	6,240	6,637	7,133
4:00 PM 5:00 PM 7,538 7,084 3,753 6,596 7,599 6,113 7,462 7,362 6,547 6,992 6,661 7,452 5:00 PM 6:00 PM 7,205 6,973 4,003 5,390 6,908 5,941 7,131 6,751 6,508 6,450 6,594 6,972 6:00 PM 7:00 PM 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5,422 5,621 4,394 6,307 6,429 5,937 5,730 5,665 5,930 8:00 PM 9:00 PM 5,083 5,640 5,754 4,735 4,216 4,622 5,183 5,657 4,842 4,600 4,369 4,413 9:00 PM 10:00 PM 4,544 4,352 4,906 4,199 3,669 3,795 4,377 4,554 4,566 4,444 3,439 3,376 10:00 PM 11:00 PM 3,270 3,351 4,017 4	2:00 PM	3:00 PM	7,388	7,138	3,370	7,149		7,422	6,304	7,757	7,531	6,425	6,442	6,501	7,200	6,984
5:00 PM 6:00 PM 7,205 6,973 4,003 5,390 6,908 5,941 7,131 6,751 6,508 6,450 6,594 6,972 6:00 PM 7:00 PM 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5,422 5,621 4,394 6,307 6,429 5,937 5,730 5,665 5,930 8:00 PM 9:00 PM 5,083 5,640 5,754 4,735 4,216 4,622 5,183 5,657 4,842 4,600 4,369 4,413 9:00 PM 10:00 PM 4,544 4,352 4,906 4,199 3,669 3,795 4,377 4,554 4,566 4,444 3,439 3,376 10:00 PM 11:00 PM 3,270 3,351 4,017 4,348 2,637 2,710 3,166 3,462 4,058 4,276 2,465 2,659 11:00 PM 12:00 AM 2,391 2,644 3,237 <td< td=""><td>3:00 PM</td><td>4:00 PM</td><td>7,878</td><td>7,331</td><td>3,169</td><td>6,917</td><td></td><td>7,730</td><td>6,541</td><td>7,553</td><td>7,623</td><td>6,830</td><td>7,286</td><td>6,824</td><td>7,255</td><td>5,755</td></td<>	3:00 PM	4:00 PM	7,878	7,331	3,169	6,917		7,730	6,541	7,553	7,623	6,830	7,286	6,824	7,255	5,755
6:00 PM 7:00 PM 6,901 7,077 4,873 5,476 6,944 5,586 7,106 5,446 5,815 6,120 6,003 6,528 7:00 PM 8:00 PM 6,155 6,770 5,131 5,422 5,621 4,394 6,307 6,429 5,937 5,730 5,665 5,930 8:00 PM 9:00 PM 5,083 5,640 5,754 4,735 4,216 4,622 5,183 5,657 4,842 4,600 4,369 4,413 9:00 PM 10:00 PM 4,544 4,352 4,906 4,199 3,669 3,795 4,377 4,554 4,566 4,444 3,439 3,376 10:00 PM 11:00 PM 3,270 3,351 4,017 4,348 2,637 2,710 3,166 3,462 4,058 4,276 2,465 2,659 11:00 PM 2,391 2,644 3,237 3,308 1,844 1,875 2,145 2,589 2,908 3,401 1,762 1,833	4:00 PM	5:00 PM	7,538	7,084	3,753	6,596		7,599	6,113	7,462		6,547	6,992	6,661	7,452	7,487
7:00 PM 8:00 PM 6,155 6,770 5,131 5,422 5,621 4,394 6,307 6,429 5,937 5,730 5,665 5,930 8:00 PM 9:00 PM 5,083 5,640 5,754 4,735 4,216 4,622 5,183 5,657 4,842 4,600 4,369 4,413 9:00 PM 10:00 PM 4,544 4,352 4,906 4,199 3,669 3,795 4,377 4,554 4,566 4,444 3,439 3,376 10:00 PM 11:00 PM 3,270 3,351 4,017 4,348 2,637 2,710 3,166 3,462 4,058 4,276 2,465 2,659 1 11:00 PM 12:00 AM 2,391 2,644 3,237 3,308 1,844 1,875 2,145 2,589 2,908 3,401 1,762 1,833	5:00 PM	6:00 PM	7,205		4,003	5,390		6,908	5,941	7,131	6,751	6,508	6,450	6,594	6,972	6,766
8:00 PM 9:00 PM 5,083 5,640 5,754 4,735 4,216 4,622 5,183 5,657 4,842 4,600 4,369 4,413 9:00 PM 10:00 PM 4,544 4,352 4,906 4,199 3,669 3,795 4,377 4,554 4,566 4,444 3,439 3,376 10:00 PM 11:00 PM 3,270 3,351 4,017 4,348 2,637 2,710 3,166 3,462 4,058 4,276 2,465 2,659 11:00 PM 12:00 AM 2,391 2,644 3,237 3,308 1,844 1,875 2,145 2,589 2,908 3,401 1,762 1,833 -	6:00 PM	7:00 PM	6,901	7,077	4,873	5,476		6,944	5,586	7,106	5,446	5,815	6,120	6,003	6,528	6,756
9:00 PM 10:00 PM 4,544 4,352 4,906 4,199 3,669 3,795 4,377 4,554 4,566 4,444 3,439 3,376 10:00 PM 11:00 PM 3,270 3,351 4,017 4,348 2,637 2,710 3,166 3,462 4,058 4,276 2,465 2,659 11:00 PM 12:00 AM 2,391 2,644 3,237 3,308 1,844 1,875 2,145 2,589 2,908 3,401 1,762 1,833	7:00 PM	8:00 PM		6,770	5,131	5,422		5,621	4,394	6,307	6,429	5,937	5,730	5,665	5,930	6,558
10:00 PM 11:00 PM 3,270 3,351 4,017 4,348 2,637 2,710 3,166 3,462 4,058 4,276 2,465 2,659 11:00 PM 12:00 AM 2,391 2,644 3,237 3,308 1,844 1,875 2,145 2,589 2,908 3,401 1,762 1,833 Total : 116,955 117,423 99,539 107,530 113,962 105,076 117,231 116,416 112,398 108,040 96,859 109,317 1 EB More(Less) than WB 14,002 10,961 (4,235) (1,763) 7,417 7,817 10,614 9,121 1,545 1,639 884 8,766				5,640	5,754			4,216	4,622		5,657	4,842	4,600		4,413	4,798
11:00 PM 12:00 AM 2,391 2,644 3,237 3,308 1,844 1,875 2,145 2,589 2,908 3,401 1,762 1,833 Total : 116,955 117,423 99,539 107,530 113,962 105,076 117,231 116,416 112,398 108,040 96,859 109,317 1 EB More(Less) than WB 14,002 10,961 (4,235) (1,763) 7,417 7,817 10,614 9,121 1,545 1,639 884 8,766	9:00 PM	10:00 PM	4,544	4,352	4,906	4,199			3,795	4,377	4,554	4,566	4,444	3,439	3,376	4,161
Total : 116,955 117,423 99,539 107,530 113,962 105,076 117,231 116,416 112,398 108,040 96,859 109,317 1 EB More(Less) than WB 14,002 10,961 (4,235) (1,763) 7,417 7,817 10,614 9,121 1,545 1,639 884 8,766	10:00 PM	11:00 PM	,	3,351	4,017	4,348		2,637	2,710	3,166	,	4,058	4,276	2,465	2,659	2,969
EB More(Less) than WB 14,002 10,961 (4,235) (1,763) 7,417 7,817 10,614 9,121 1,545 1,639 884 8,766	11:00 PM	12:00 AM	2,391	2,644	3,237	3,308		1,844	1,875	2,145	2,589	2,908	3,401	1,762	1,833	2,070
EB More(Less) than WB 14,002 10,961 (4,235) (1,763) 7,417 7,817 10,614 9,121 1,545 1,639 884 8,766																
	Total :		116,955	117,423	99,539	107,530		113,962	105,076	117,231	116,416	112,398	108,040	96,859	109,317	111,560
	FD M (1															
Data Sauraa	EB More(Les:	s) than WB	14,002	10,961	(4,235)	(1,763)		7,417	7,817	10,614	9,121	1,545	1,639	884	8,766	7,880
	Data Source	ce								Schedule	prepared	by Missior	wood Cor	l nsulting, In	с.	
http://maps.roads.maryland.gov/itms_public/			vland.gov	/itms publi	c/											

						d Departme	ent of Trans	portation								
				State High	nway Adm	ninistration										
				Highway I	nformatio	n Services	Division									
				P0041												
				IS 4958	32 Mile W	est of MD	650 (ATR#	41)								
				Direction:	Westbou	und										
									Thanksgivir	ng						
Beginning		Thu		Sat		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
Hour	11/15/17	11/16/17	11/17/17	11/18/17	11/19/17	11/20/17	11/21/17	11/22/17	11/23/17	11/24/17	11/25/17	11/26/17	11/27/17	11/28/17	11/29/17	11/30/17
12:00 AM	981	1,069	1,385	1,845	1,952	1,066	1,078	1,735	2,125	3,744	1,583	2,327	1,575	1,387	989	1,090
1:00 AM	713	726	786	1,283	1,277	720	781	1,250	1,357	1,530	1,073	1,469	823	867	696	711
2:00 AM	615	682	724	1,023	1,034	645	661	952	1,065	871	952	1,112	703	648	568	591
3:00 AM	934	918	980	935	963	898	941	1,198	818	766	799	1,030	907	971	908	953
4:00 AM	2,492	2,440	2,452	1,245	802	2,430	2,447	2,631	960	1,252	1,000	915	2,474	2,517	2,380	2,460
5:00 AM	6,500	6,551	6,252	2,210	1,128	6,299	6,491	6,127	1,432	2,479	1,540	1,374	6,336	6,334	6,365	6,216
6:00 AM	5,701	5,661	6,067	3,460	2,000	6,006	5,856	5,660	2,073	3,565	2,562	2,169	5,909	5,709	5,805	5,705
7:00 AM	4,320	4,655	4,610	4,609	2,593	4,684	4,539	4,894	2,209	3,816	3,229	2,900	4,875	4,639	4,595	4,923
8:00 AM	3,995	4,110	2,481	5,630	3,449	4,194	4,149	5,018	2,729	4,065	4,137	3,705	4,122	4,324	3,728	3,854
9:00 AM	4,775	5,354	3,832	5,636	4,888	5,296	4,883	5,850	3,816	4,808	5,102	5,237	5,373	5,482	5,653	5,272
10:00 AM	5,131	6,001	5,775	5,499	5,431	5,645	5,372	6,541	4,988	5,567	5,933	6,480	5,857	5,733	5,164	6,016
11:00 AM	4,687	5,417	6,146	6,273	6,498	5,388	5,744	5,808	6,045	6,169	5,922	7,049	5,959	5,176	4,810	5,886
12:00 PM	5,581	6,020	6,598	6,666	6,554	6,163	6,978	6,158	6,390	6,437	6,278	6,134	6,128	5,474	5,856	5,891
1:00 PM	6,238	5,072	6,659	6,286	6,517	6,262	6,526	5,739	6,470	6,701	6,662	6,552	5,884	5,374	6,000	6,079
2:00 PM	6,842	6,140	6,106	6,202	6,418	6,933	6,362	5,299	6,532	6,767	7,035	6,917	6,424	5,844	6,629	6,826
3:00 PM	6,694	5,906	6,399	6,203	6,436	6,384	6,071	6,249	6,165	5,990	6,648	6,251	6,579	5,833	5,421	6,352
4:00 PM	6,780	6,218	6,228	6,788	6,385	6,196	6,079	5,644	5,364	5,806	6,263	6,094	6,127	5,947	6,274	6,614
5:00 PM	6,503	6,317	6,510	6,726	6,417	6,294	6,210	5,736	5,135	6,052	6,939	5,317	6,393	6,130	6,368	6,384
6:00 PM	6,310	6,295	6,227	6,100	5,891	6,120	6,360	5,030	5,033	5,508	6,476	5,441	6,242	5,775	6,367	6,002
7:00 PM	5,401	5,571	5,940	5,260	5,049	5,534	6,183	4,926	5,577	5,073	5,968	5,636	4,826	4,843	5,433	5,079
8:00 PM	3,957	4,247	4,937	4,314	4,435	4,062	4,779	4,618	6,032	4,297	5,749	5,162	3,608	3,716	3,851	3,960
9:00 PM	3,520	3,646	4,017	3,888	3,222	3,648	4,003	4,098	5,817	3,652	5,085	4,095	3,130	3,160	3,284	3,392
10:00 PM	3,159	3,100	3,555	4,190	2,650	2,575	3,506	3,539	5,201	3,483	4,555	3,364	2,474	2,594	2,551	2,857
11:00 PM	2,171	1,984	2,823	3,580	1,721	1,735	2,698	2,821	4,257	2,448	3,431	2,214	1,827	1,620	1,603	1,743
Total :	104,000	104,100	107,489	105,851	93,710	105,177	108,697	107,521	97,590	100,846	104,921	98,944	104,555	100,097	101,298	104,856

							ent of Trans	portation								
				State High	way Adm	ninistration										
				Highway Ir	nformatio	n Services	Division									
				P0041												
				IS 4958	2 Mile W	est of MD	650 (ATR#4	41)	Direction:	Eastbou	nd					
							-		Thanksgivin	g						
Beginning	Wed	Thu	Fri		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
Hour	11/15/17	11/16/17	11/17/17	11/18/17	11/19/17	11/20/17	11/21/17	11/22/17	11/23/17	11/24/17	11/25/17	11/26/17	11/27/17	11/28/17	11/29/17	11/30/17
12:00 AM	1,184	1,172	1,469	1,924	2,077	1,185	1,149	1,592	1,689	2,105	1,694	2,090	1,282	1,129	1,041	1,128
1:00 AM	706	785	947	1,255	1,326	731	675	1,051	1,080	1,215	1,121	1,271	807	677	754	818
2:00 AM	575	637	772	935	1,039	591	550	782	938	894	870	1,046	667	533	639	586
3:00 AM	716	746	829	974	921	749	752	963	899	764	920	1,030	718	664	696	715
4:00 AM	1,429	1,427	1,571	1,084	725	1,439	1,474	1,789	1,011	891	922	981	1,536	1,406	1,344	1,410
5:00 AM	3,580	3,646	3,588	1,792	902	3,592	3,638	3,715	1,467	1,487	1,217	1,132	3,687	3,600	3,564	3,535
6:00 AM	5,731	5,874	5,495	2,828	1,490	5,658	5,671	5,647	2,321	2,455	2,126	1,752	4,737	5,639	5,132	5,635
7:00 AM	6,602	6,546	6,279	4,320	2,593	6,475	6,453	6,330	3,330	3,339	3,053	2,649	4,197	6,332	5,706	6,607
8:00 AM	6,834	6,763	6,301	5,417	3,439	6,748	6,730	6,231	4,004	3,871	4,150	3,578	6,566	6,721	6,209	6,599
9:00 AM	5,986	6,192	6,302	5,526	4,831	6,147	6,491	6,560	4,908	4,693	5,409	5,152	6,117	6,302	5,279	6,068
10:00 AM	5,342	5,612	6,379	6,117	6,003	5,917	6,158	6,630	5,710	5,573	6,463	5,824	5,946	5,848	5,315	6,029
11:00 AM	5,588	6,083	6,556	6,795	6,203	6,148	6,532	6,612	5,764	6,229	7,142	6,345	5,803	5,601	5,856	6,061
12:00 PM	6,072	6,416	6,923	5,610	6,744	6,013	6,917	6,963	6,567	6,381	6,616	6,405	6,098	6,010	6,210	6,286
1:00 PM	6,652	4,184	6,935	6,653	6,637	6,832	7,112	6,731	6,373	6,490	6,722	6,170	6,774	6,197	5,382	6,881
2:00 PM	7,573	7,068	7,055	5,771	6,885	7,104	7,495	6,232	6,330	6,729	7,068	5,994	7,265	5,711	7,157	7,328
3:00 PM	7,825	7,189	7,088	7,099	6,805	7,233	7,048	6,707	6,020	6,514	6,307	6,432	7,166	5,087	7,210	7,455
4:00 PM	7,497	7,205	7,188	6,526	6,622	7,286	7,334	7,036	5,571	5,777	6,595	6,351	7,133	2,151	7,116	7,125
5:00 PM	6,964	6,803	6,762	6,756	6,347	6,887	6,733	5,689	5,170	6,315	6,232	5,049	6,760	2,040	6,827	6,834
6:00 PM	6,871	6,414	6,738	5,021	6,045	6,783	6,571	3,537	5,587	5,638	5,841	5,658	6,751	1,834	6,858	6,868
7:00 PM	6,424	6,600	6,432	5,926	4,943	6,423	6,690	5,291	5,858	5,165	5,511	5,310	5,279	5,679	5,671	6,446
8:00 PM	5,281	5,758	5,546	4,964	4,188	4,772	5,727	5,117	5,589	4,398	5,023	4,867	4,413	5,818	4,948	4,850
9:00 PM	4,266	3,808	4,666	4,707	3,431	4,026	5,024	4,688	5,167	3,998	4,492	3,964	3,196	3,730	3,639	4,012
10:00 PM	3,001	3,148	4,044	4,388	2,488	2,904	3,684	3,683	4,451	3,698	4,052	2,973	2,700	2,945	2,981	2,782
11:00 PM	2,187	2,531	3,083	3,199	1,808	1,905	2,921	2,843	3,241	2,912	3,393	1,941	1,838	2,015	2,073	2,446
Total :	114,886	112,607	118,948	105,587	94,492	113,548	119,529	112,419	99,045	97,531	102,939	93,964	107,436	93,669	107,607	114,504
	10,886	8,507	11,459	(264)	782	8,371	10,832	4,898	1,455	(3,315)	(1,982)	(4,980)	2,881	(6,428)	6,309	9,648

			Data from	Maryland	Departmen	t of Trar	nsportation								
				nway Admii			·								
			•		Services D	vision									
			,												
Location ID):	P0040													
Location :		IS 495 - 5	Oft East of	Persimmo	on Tree Rd	Overpa	ss (ATR#4	0)							
Date Rang	ae:	11/1/17-1			Westboun			- /							
	-														
Beginning	End	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue
	Hour	11/1/17	11/2/17			Not/Avail	11/6/17	11/7/17	11/8/17		11/10/17	11/11/17			11/14/17
12:00 AM	1:00 AM	893	852	1,005	1,504		931	800	760	898	1,175	1,430	1,824	970	774
1:00 AM	2:00 AM	593	610	665	975		641	522	603	673	767	927	1,035	609	592
2:00 AM	3:00 AM	541	582	651	774		533	495	502	565	700	711	709	530	522
3:00 AM	4:00 AM	897	929	964	744		835	864	896	897	930	690	620	778	819
4:00 AM	5:00 AM	2,551	2,579	2,548	1,237		2,548	2,490	2,512	2,513	1,914	1,055	659	2,423	2,459
5:00 AM	6:00 AM	6,465	6,469	6,091	2,119		6,553	6,276	6,303	6,374	4,351	1,841	1,094	6,169	6,575
6:00 AM	7:00 AM	7,801	7,877	7,492	2,906		8,282	8,082	8,158	7,421	5,865	2,784	1,599	7,840	7,871
7:00 AM	8:00 AM	8,254	7,953	7,104	4,186		8,464	8,130	8,369	7,868	6,700	3,780	2,425	8,034	8,328
8:00 AM	9:00 AM	8,179	7,711	8,117	5,566		7,860	7,794	8,015	8,004	6,896	5,134	3,286	7,852	8,112
9:00 AM	10:00 AM	7,598	7,500	7,563	6,677		7,896	7,592	7,260	6,854	7,267	6,394	4,701	7,653	7,539
10:00 AM	11:00 AM	6,687	7,283	7,551	7,136		6,157	6,243	6,426	7,039	7,436	6,953	6,360	6,254	6,384
11:00 AM	12:00 PM	6,162	6,247	7,123	7,424		5,838	6,139	6,248	6,171	7,505	7,584	7,414	5,757	5,741
12:00 PM	1:00 PM	6,122	6,515	6,730	8,089		6,078	6,159	5,959	6,753	7,409	8,063	8,173	6,008	5,915
1:00 PM	2:00 PM	6,473	6,730	7,229	8,169		6,289	6,349	6,329	7,243	7,433	8,392	8,225	6,310	6,370
2:00 PM	3:00 PM	7,510	7,770	7,859	8,281		7,473	6,801	7,748	7,972	7,656	8,260	8,147	7,234	7,574
3:00 PM	4:00 PM	7,425	6,867	7,294	8,072		7,373	6,535	7,844	7,562	7,084	7,715	8,113	7,207	7,779
4:00 PM	5:00 PM	6,485	6,170	6,605	7,567		6,528	6,125	6,860	6,930	6,447	7,870	7,651	6,686	6,927
5:00 PM	6:00 PM	6,164	6,008	6,560	7,228		6,574	5,919	6,934	6,738	4,809	7,345	7,512	6,880	6,892
6:00 PM	7:00 PM	6,949	6,714	7,146	6,393		6,775	6,037	6,771	6,584	6,467	7,063	6,507	6,552	6,358
7:00 PM	8:00 PM	5,298	6,073	6,653	5,895		5,188	5,024	5,123	6,176	6,306	5,651	6,260	4,704	5,279
8:00 PM	9:00 PM	3,997	4,468	5,373	4,440		3,503	3,579	3,795	4,669	4,980	4,725	4,776	3,354	3,538
9:00 PM	10:00 PM	3,168	3,517	4,064	3,940		2,913	2,825	3,172	3,612	3,933	4,208	3,698	2,866	3,022
10:00 PM	11:00 PM	2,299	2,592	3,232	3,765		2,031	2,072	2,353	2,940	3,391	3,816	2,416	2,145	2,285
11:00 PM	12:00 AM	1,390	1,695	2,466	2,832		1,345	1,279	1,438	1,972	2,250	2,994	1,561	1,231	1,347
Total :		119,901	121,711	128,085	115,919		118,608	114,131	120,378	124,428	119,671	115,385	104,765	116,046	119,002
					Schedule p	orepared	d by Missic	nwood Co	nsulting, I	nc.					
						•	-								
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1			Data from	Maryland	Departmen	t of Trar	sportation								
				way Admi			•								
					Services D	ivision									
P0040															
IS 495 - 50	oft East of P	ersimmon	Tree Rd C	Overpass (ATR#40)										
11/1/17-11			Eastboun		,										
Beginning	End	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue
Hour	Hour	11/1/17	11/2/17	11/3/17	11/4/17	Not/Avail	11/6/17	11/7/17	11/8/17	11/9/17	11/10/17	11/11/17	11/12/17	11/13/17	11/14/17
12:00 AM	1:00 AM	1,076	1,129	1,351	1,904		1,128	961	1,082	1,138	1,666	1,779	2,110	1,104	1,011
1:00 AM	2:00 AM	695	641	801	1,239		675	593	665	703	912	1,131	1,191	695	642
2:00 AM	3:00 AM	528	536	597	912		504	446	494	556	753	904	883	495	481
3:00 AM	4:00 AM	689	630	669	692		575	566	563	596	647	663	636	517	607
4:00 AM	5:00 AM	1,463	1,462	1,515	882		1,478	1,390	1,483	1,479	1,329	855	614	1,386	1,453
5:00 AM	6:00 AM	3,811	3,725	3,516	1,623		3,859	3,635	3,619	3,591	2,742	1,309	825	3,666	3,668
6:00 AM	7:00 AM	6,895	7,069	6,409	2,933		7,187	7,256	7,235	6,472	5,458	2,599	1,744	6,947	7,170
7:00 AM	8:00 AM	8,276	8,149	7,884	4,245		8,299	8,698	8,537	7,864	7,114	3,938	2,790	8,184	5,704
8:00 AM	9:00 AM	8,513	8,441	7,376	5,444		8,380	8,454	8,469	8,297	7,009	5,804	4,010	8,276	7,927
9:00 AM	10:00 AM	7,798	7,729	7,036	6,250		7,333	7,326	7,570	7,299	7,091	6,736	5,857	7,795	8,080
10:00 AM	11:00 AM	6,572	6,790	6,777	7,207		5,955	5,879	6,369	6,903	7,052	6,980	6,992	6,025	7,204
11:00 AM	12:00 PM	5,853	6,257	6,468	7,598		5,598	5,881	5,947	6,419	7,531	7,362	7,887	5,752	5,460
12:00 PM	1:00 PM	5,949	6,456	6,974	7,424		6,131	6,247	6,347	6,933	7,200	7,481	7,484	6,172	6,422
1:00 PM	2:00 PM	6,767	7,233	7,822	7,296		6,755	6,108	7,477	7,722	7,341	7,359	7,675	7,011	7,114
2:00 PM	3:00 PM	7,896	7,843	7,329	7,795		8,056	6,557	8,248	7,460	5,253	7,397	7,564	7,893	7,764
3:00 PM	4:00 PM	6,913	5,452	4,849	7,601		6,655	4,723	6,601	6,609	4,125	7,594	7,553	6,877	6,287
4:00 PM	5:00 PM	5,240	4,510	4,590	7,545		4,761	3,663	4,089	4,916	6,651	6,543	7,576	5,240	4,154
5:00 PM	6:00 PM	5,226	4,561	4,636	7,036		3,638	3,453	4,042	4,310	6,186	7,187	7,061	4,859	3,885
6:00 PM	7:00 PM	5,714	6,292	5,749	6,332		5,024	4,451	5,082	5,367	6,200	7,269	7,090	5,866	4,760
7:00 PM	8:00 PM	5,182	7,138	6,688	5,878		5,905	5,620	6,270	6,447	5,385	6,222	6,262	5,908	6,711
8:00 PM	9:00 PM	5,627	5,413	4,981	4,664		4,818	5,474	5,806	5,753	4,740	4,680	5,106	4,209	5,299
9:00 PM	10:00 PM	4,392	4,429	4,370	4,427		3,473	3,654	4,272	4,520	4,200	4,713	4,224	3,518	3,812
10:00 PM	11:00 PM	3,241	3,738	4,054	4,312		2,715	2,874	3,057	3,869	4,065	4,596	3,312	2,651	3,064
11:00 PM	12:00 AM	2,295	2,657	2,892	3,389		1,605	1,659	2,009	2,683	2,833	3,305	1,831	1,599	1,990
Total :		116,611	118,280	115,333	114,628		110,507	105,568	115,333	117,906	113,483	114,406	108,277	112,645	110,669
WB More(Les	ss) than EB	3,290	3,431	12,752	1,291		8,101	8,563	5,045	6,522	6,188	979	(3,512)	3,401	8,333
Data Sour	ce				Schedule p	preparec	l by Missic	nwood Co	nsulting. I	nc.					
	s.roads.mar	yland.gov	/itms publi	c/					,						

				Maryland	Departmer	nt of Trans	portation									
				State Hig	hway Admi	nistration										
				Highway I	nformation	Services	Division									
				P0040												
				IS 495 - 5	Oft East of	Persimmo	on Tree Ro	Overpase	s (ATR#40))						
					Westbour					/						
									Thanksgivir	ig						
Beginning	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
Hour	11/15/17	11/16/17	11/17/17	11/18/17	11/19/17	11/20/17	11/21/17	11/22/17	11/23/17	11/24/17	11/25/17	11/26/17	11/27/17	11/28/17	11/29/17	11/30/17
12:00 AM	802	943	1,130	1,640	1,775	989	880	1,684	1,930	2,795	1,487	2,086	1,386	1,003	847	875
1:00 AM	576	611	722	1,046	1,058	642	687	1,159	1,281	1,295	961	1,340	737	731	591	621
2:00 AM	534	555	647	806	751	565	612	966	994	849	732	951	634	583	501	567
3:00 AM	881	951	991	872	813	819	881	1,256	976	702	723	927	917	892	871	851
4:00 AM	2,438	2,565	2,482	1,321	741	2,481	2,532	2,827	1,098	1,153	992	1,080	2,697	2,531	2,496	2,510
5:00 AM	6,475	6,471	6,130	2,311	1,153	6,395	6,337	6,172	1,536	2,221	1,494	1,514	6,578	6,369	6,283	6,265
6:00 AM	8,017	8,155	7,664	3,184	1,743	7,872	7,835	7,390	2,158	3,381	2,326	2,239	8,127	7,841	5,534	7,967
7:00 AM	8,365	7,970	7,659	4,446	2,439	7,759	8,266	7,435	2,563	3,928	3,135	2,948	8,244	8,225	4,658	7,876
8:00 AM	7,887	7,820	7,632	5,255	3,319	7,484	8,014	6,718	3,156	4,358	4,140	3,910	7,995	8,107	5,958	7,760
9:00 AM	7,644	7,583	6,916	6,334	5,011	7,688	6,992	6,434	4,409	5,473	5,461	5,664	7,420	7,310	6,886	7,459
10:00 AM	7,364	7,085	7,076	6,823	6,394	7,277	7,147	7,146	5,961	6,672	6,872	7,210	6,699	6,914	7,348	6,964
11:00 AM	5,745	6,442	6,908	7,515	7,017	6,230	7,087	7,229	7,257	7,480	7,202	7,984	6,356	6,083	5,944	6,506
12:00 PM	6,300	6,586	7,207	6,386	7,932	6,308	7,084	7,250	8,052	7,721	8,240	8,235	6,531	5,844	6,188	6,392
1:00 PM	6,571	6,422	7,688	4,010	7,613	6,765	7,566	6,986	7,718	7,617	8,375	8,294	4,287	6,079	6,632	6,687
2:00 PM	7,456	7,351	7,667	5,248	7,727	7,237	7,686	7,157	7,874	7,651	8,419	7,984	7,522	6,999	7,368	7,381
3:00 PM	7,625	6,725	7,084	5,688	8,075	6,833	6,971	6,138	7,281	7,261	7,700	7,383	6,394	6,777	6,715	6,396
4:00 PM	6,915	6,360	6,025	6,663	7,312	6,171	6,049	5,742	6,495	6,662	7,320	6,623	5,901	5,954	5,867	6,162
5:00 PM	6,454	5,976	6,059	7,147	7,250	6,361	6,025	6,148	5,983	6,536	7,628	6,639	6,122	6,246	6,232	4,356
6:00 PM	6,587	5,552	6,860	6,981	6,302	7,087	6,519	5,746	5,721	5,546	7,159	6,165	6,991	6,759	5,934	4,059
7:00 PM	5,557	6,010	6,579	6,042	5,307	5,293	6,539	5,716	6,670	5,048	6,672	6,081	5,033	5,329	5,755	6,392
8:00 PM	3,839	4,338	4,866	4,534	4,412	3,840	5,048	5,091	7,264	4,202	5,998	5,436	3,530	3,761	3,856	4,014
9:00 PM	3,185	3,527	4,048	4,068	3,445	3,095	4,079	4,436	6,849	3,647	5,122	4,499	2,953	3,042	3,027	3,282
10:00 PM	2,390	2,733	3,477	3,965	2,578	2,258	3,069	3,599	5,406	3,165	4,331	3,446	2,150	2,463	2,275	2,407
11:00 PM	1,641	1,803	2,481	3,023	1,469	1,511	2,694	2,581	3,751	2,389	3,195	2,000	1,505	1,332	1,399	1,493
Total :	121,248	120,534	125,998	105,308	101,636	118,960	126,599	123,006	112,383	107,752	115,684	110,638	116,709	117,174	109,165	115,242
				Maryland	Departmer	nt of Trans	portation									

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	, <u> </u>	i'		IS 495 - 5	Oft East of	Persimm	on Tree Rd	J Overpas	s (ATR#40)			· · · · · · · · · · · · · · · · · · ·	['		
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Beginning N			Fri			Mon									Wed	Thu
Hour	11/15/17															
12:00 AM	1,142	1,237	1,436	,	2,168	1,427	1,090	1,855	1,868	2,297	1,672	2,071	1,284	1,043	1,070	1,276
1:00 AM	676	739	898	,	1,433	642		1,110	1,130	1,384	1,037	1,306	766		590	
2:00 AM	484	567	670		1,025	510		867	1,030	1,074	836	1,037	588	471	486	
3:00 AM	594	595	670		683	639		903	925	821	689	811	661	577	574	
4:00 AM	1,420	1,514	1,597	966	645	1,475	,	2,006	1,039	902	749	899	1,517	1,465	1,433	1,395
5:00 AM	3,637	3,773	3,525	1,613	909	3,735		4,160	1,566	1,526	1,234	1,327	3,945	3,686	3,558	3,714
6:00 AM	7,045	7,251	6,647	3,229	1,881	6,984	7,233	7,088	2,514	2,717	2,073	1,955	7,217	6,628	2,989	6,993
7:00 AM	8,245	8,494	8,006	4,640	2,738	8,244		8,021	3,480	3,395	3,076	2,982	8,154	7,794	2,828	8,403
8:00 AM	8,138	8,132	7,849	5,631	3,897	7,846	,	7,576	4,271	4,144	4,462	4,323	7,904	7,899	5,212	8,150
9:00 AM	7,589	7,509	7,374	5,166	5,418	7,426		7,508	5,342	5,057	5,863	6,022	7,328	7,671	7,297	7,497
10:00 AM	6,507	7,274	7,334	7,831	6,399	6,317	7,068	7,457	6,506	5,855	6,939	6,726	6,484	6,867	7,538	6,398
11:00 AM	6,139	6,029	7,184	7,328	7,200	6,237	7,248	7,265	7,231	6,314	7,524	7,160	5,834	5,751	6,973	6,053
12:00 PM	6,244	6,613	7,394	7,468	7,391	6,337	7,704	6,740	7,537	6,428	7,364	7,345	6,234	6,076	6,495	6,333
1:00 PM	7,247	7,267	7,594	7,617	7,311	7,214		7,222	7,611	6,478	7,142	7,487	6,909	7,038	6,852	
2:00 PM	8,004	7,244	7,360		7,558	7,724	7,702	5,873	7,152	6,894	7,196	7,289	7,840	7,700	7,675	7,640
3:00 PM	6,510	4,899	5,649	7,068	7,364	6,393		4,979	7,161	6,886	7,533	7,279	6,467	5,722	6,407	6,718
4:00 PM	4,101	3,806	4,699	7,271	7,552	4,475		4,777	6,979	6,656	7,170	7,455	4,474	3,954	4,667	5,450
5:00 PM	4,169	4,197	4,152		7,369	3,788		6,376	5,939	6,408	6,925	7,186	4,311	3,544	4,133	4,381
6:00 PM	5,436	4,773	6,045	6,919	6,317	5,492	,	5,140	5,964	5,989	6,924	6,022	5,586	4,123	3,416	5,494
7:00 PM	6,928	6,800	6,962	5,600	5,474	6,644	6,467	4,914	5,534	5,250	5,793	5,655	6,328	5,617	6,079	6,361
8:00 PM	5,387	6,811	5,837	5,058	4,502	4,846	,	5,564	6,367	4,505	5,403	5,137	4,452	4,981	5,891	4,903
9:00 PM	4,470	4,415	4,558	4,795	3,839	4,093		5,014	5,934	4,084	5,049	4,062	3,353	3,757	4,039	4,055
10:00 PM	3,388	3,481	4,313	4,717	2,809	3,007	4,088	4,304	4,709	3,986	4,673	2,915	2,493	2,695	2,993	3,399
11:00 PM	2,101	2,398	2,961	3,511	1,896	1,796	3,112	2,736	3,206	2,601	3,294	1,950	1,585	1,857	2,021	2,147
Total :	115,601	115,818	120 714	115,545	103,778	112 201	120 012	119,455	110 005	101 651	110,620	106 /01	111 71/	107 566	101,216	115,779
	115,001	115,010	120,714	115,545	103,770	113,291	120,912	119,455	110,995	101,001	110,020	106,401	111,714	107,500	101,210	115,773
	5,647	4,716	5,284	(10,237)	(2,142)	5,669	5,687	3,551	1,388	6,101	5,064	4,237	4,995	9,608	7,949	(53
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