



Project Name & Applicant Team:	
Armed Forces Retirement Home Master Plan Traffic Impact Study	
Stantec	
Case Type & No. (PUD, LTR, etc.)	
Street Address:	
Armed Forces Retirement Home	
Rock Creek Church Rd, NW and Upshur St, NW	
Washington, DC 20011	
Current Zoning and/or Overlay District: R-5-B	
Date of Filing: May 12, 2015	
Estimated Date of Hearing:	
Description of Project: The Armed Forces Retirement Home Master Plan includes a mixed-using evelopment the southeast quadrant of the AFRH property. The mixed-use development would consist of approximat apartments, 1,191,391 SF of office space, 290,650 of medical office space, 264,086 SF of retail space, a 2 conference center, and a 40,978 SF heating plant. The Master Plan was approved by the DC Office of Pl in 2008. This purpose of this CTR is to update the traffic impact study for the upposed project to account the space.	ent of the Ain a redevelopment zone (Zone A) located in ely 2,220077 SF of residential condominiums and 14,000 SF assisted living facility, a 126,391 SF hotel and anning and the National Capital Planning Commission nt for current traffic levels and traffic that
may be generated by other new development in the area.	
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total number of trips that would be generated by the proposed development. It should also be noted that the project is in its preliminary phases; therefore, only general square footages are available. The actual square footage, number of units, and land use may change as the project progresses. Assumptions were made as to the number of residential units, assisted living beds, and hotel rooms based on the square footage provided. The assumptions are highlighted in the table below.

wixed-Use Development (Zone A) Base Trip Generation (Before Wiode Split Credit)									
	ITE			AM				PM	
Land Use	LUC	Quantity	Methodology	In	Out	Total	In	Out	Total
Residential	220	2,280,477 SF	Equation	224	007	1 121	017	445	1.2
Apartments	220	2,280 Units*	Equation	224	897	1,121	827	44.5	1,27
Office	710	1,191,391 SF	Equation	1,222	167	1,389	240	1,1 <u>7</u> 3	1,413
Medical Office	720	290,650 SF	Average Rate	549	146	695	213	548	761
Retail	820	264,086 SF	Equation	175	107	282			1,148
Assisted Living		214,000 SF		~					
	2.54	285	Average Rate	26	14	40	59	5	134
		Rooms**	6000						
Hotel		126,391 SF	1			1			
	310	235	Average Rate	73	52	125	72	69	1
		Rooms***							
Heating Plant	010	40 709 SE	Auorago Pato		24	00	150	171	220
(Retail)	820	40,796 SF	Average nate	DC	54	- 40	100	1/1	529
			Total	2,37	1.417	3,742	2,120	3,078	5,198

*1,000 SF per apartment **750/SF per bed (includes common space)

325 SF/room and 50,000 SF Conference Space *Assume retail use to be conservative

Proposed preliminary mode split and supporting documentation:

A non-auto driver mode split for the office pedical office, and institutional uses was calculated utilizing the WMATA (Tables S-2 and S-3). A non-auto driver mode split for 2005 Development Related Ridership Survey sportation Planning Package (CTPP) data for census tracts residential uses was calculated utilizing Census 23.01 and 23.02 (raw data is attached). It should a e noted that non-auto modes will be distributed as pedestrians on the network to show activity to/from ting transit stops.

Mode Split for Office, Medical Office, and Institutional Uses

Mode	Split
Auto	75%
Bus	9%

accessible section of the AFRH campus. Proposed non-auto mode splits are highly unrealistic under current conditions given the lack of transit service, lack of pedestrian/bike infrastructure in the vicinity, and the isolated nature of the site. There is no transit service that serves the site. The closest transit service is WMATA's H Line series and 80 line series. Both lines are already crowded under existing conditions and do not have capacity to absorb Site trips, even if future residents of the Site were to travel long distances to ride these lines. Additionally, the lack of bicycle and pedestrian connectivity to Metrorail and Metrobus service is a significant deterrent to transit ridership as well as bicycle and pedestrian usage.

In addition, proposed non-auto mode splits are very high compared to proposed amount of parking. Projected peak hour trip generation (3,223 trips during the PM) does not compare to the proposed parking supply (5,189 spaces).

Accordingly, the Applicant is expected to justify the mode splits through substantial investments in non-auto travel, including physical improvements, transit services, and transportation demand management and/or changes to the development and parking programs. Improvements should be consistent with the Comprehensive Plan and moveDC (see attachment for important excerpts from these documents).

DDOT sees the need for significant improvements, likely to include:

- ٠ ROW changes, which may include adjustments to interchanges and ramps.
- Transit service improvements and a significant number of additional transit seats. Transit service required to serve the site would necessarily be new transit service since no transit service exists adjacent to the site.



Metro	10%
Walk/Bike/Other	6%

Mode Split for Residential Uses

Mode	Split
Auto	63%
Bus	12%
Metro	21%
Walk/Bike/Other	4%

In addition, the ITE Trip Generation Manual User Guide and Handbook (9th Edition) was utilized to calculate both pass-by trips for the retail uses, as well as internal trip capture between residential, office, and retail. The resulting trip generation is as follows:

Mixed-Use Development (Zone A) Trip Generation (With Trip Credits)

	ITE				AM			PM	
Land Use	LUC	Quantity	Methodology	In	Out	Total	In	Out	Total
Residential Apartments	220	2,280,477 SF 2,280 Units*	Equation	224	897	1,121	827	445	1272
		Non-Auto	o Trip Credit (37%)	83	332	415	306	165	471
	Subtot	tal New Reside	ntial Vehicle Trips	141	565	706	521	280	801
Office	710	1,191,391 SF	Equation	1,222	167	1,389	240	1,173	1,413
Medical Office	720	290,650 SF	Average Rate/Equation	549	146	695	213	548	761
			Subtotal Office	1,771	313	2,084	453	1,721	2,174
Non-Auto Trip Credit (25%)				443	78	521	113	430	543
Subtotal New Office Vehicle Trips					235	1,563	340	1,291	1,631
Retail	820	264,086 SF	Equation	175	107	282	551	597	1,148
Assisted Living	254	214,000 SF 285 Rooms	Average Rate	26	14	40	59	75	134
Hotel	310	126,391 SF 235 Rooms	Average	7	52	125	72	69	141
Heating Plant (Retail)	820	40,798 SF	Equation		34	90	158	171	329
		Subtotal	New Vehicle Trips	1,799	1,007	2,806	1,701	2,483	4,184

٠ Ped/bike infrastructure investments to improve connections to major generators to the east and west, including Columbia Height Metro and Brookland/CUA Metro.

DDOT requires the Applicant discuss infrastructure investments prior to performing the vehicle capacity analysis for the future w/ conditions scenario to determine if the type and scale of investments are consistent with the desired mode splits.

ed on a meeting with DDOT on August 31, it was ermined that the mode splits listed in the scoping del form should be considered targets and that the study should address methods to achieve those targets. Stantec has prepared a technical memorandum that discusses the potential transportation enhancement measures that will be evaluated in the study (see attached technical memorandum).

Detailed comments:

Do not assume an internal trip capture rate. The internal capture is already accounted for in the mode splits.

Internal trip capture has been removed.

Is it assumed that all trips to the retail, assisted living, hotel, and heating plant uses will be made by automobile? If not, please propose mode splits supported by documentation for the other land uses. Propose mode splits for DDOT approval before beginning analysis.

See note above regarding results of Aug 31 meeting.

What is the reason for using average rate vs. equation for Medical Office uses – Code 720? Provide justification before beginning analysis.

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	2			5 S	2 2		
30% Retail Pass-By	0	0	0	222	222	443	
(from ITE Trip Generation Manual User Guide)							The ITE Trip Generation Manual does not provide an
Total	1,799	1,007	2,806	1,479	2,261	3,741	equation for the AM Peak Hour of Adjacent Street, thus
*Assume 1,000 SF per unit based on assessment of nearby prop	the average rate was used. An equation is available for the						
**Heating plant assumed as retail, to be conservative.	<u>PM Peak Hour of Adjacent Street and the chart has been</u>						
							revised to reflect the use of the equation.
	What uses are proposed for the heating plant? Do not use						
	ITE code 170 since the building may not remain as a						
				7			heating plant. Select the potential use that would result in
							the most conservative (i.e. highest) trip generation.
					<u> </u>		
					A		Heating plant assumed as retail in revised trip generation
							chart.
Vehicle Site Access							Show and analyze the project access and egress points for
The proposed mixed-use development would be accessed via t	hree driv	eways of	n Irving S	treet, as	well as a	a	all modes and demonstrate that these points function from
single driveway off North Capitol Street via the Scale Gate Road	l intercha	ange. The	e mixed-i	ise deve	lopment	(Zone	a multi-modal perspective. Of note, the eastern-most
A) would be separated from the AFRH campus via a security	rrier.	V					access point on Irving Street appears to be located within
							the off ramp for WB traffic. This is not an acceptable
Access Location(s): Irving Street NW and Site Driver East of	of First St	reetNW), Irving :	Street N	W and Fi	irst	condition, and changes to the geometry of the off ramp
Street NW, Irving Street NW and Site Driveway (West	Street N	W)			v		and/or access point may be needed to eliminate this
Access Control: Right-In/Right-Out, Signal, TBD							geometric conflict.
Existing Curb cuts utilized: No. Reactivate Former Entry, No			N				
Existing curb cuts abandoned: None							Study must show site access locations for vehicles loading
Proposed curb cuts: TBD Curb				_			nedestrians and cyclists. Please include internal circulation
cut width and radii: TBD			-				diagrams for all modes. Identify possible conflicts between
							modes and users
Access Location(s): North Canitol Street and Scale Gate Road	UN.						
Access Control: Diamond Interchange with Ston-Controlled Ba		-					Show sight distances at vehicle egress points (including all
Existing Curb cuts utilized: Reactivate Former Entre		the non-signalized site driveways/alleys) Show locations of					
Existing curb cuts abandoned: None		conflicts between vehicles pedectrian / hile trins					
Pronosed curb cuts: TBD	AIV .						connets between venicies pedestriany bike trips.
Curb cut width and radii: TBD	av						
CTR Triggers for further vehicle analysis (for sections holow)	P						
A comprehensive vehicle analysis (ior sections below)							
A comprehensive venicie analysis is required.							
1							



Development Scenarios	Please select are more realistic build year for final build-
The following scenarios will be analyzed:	out of the site. If a phasing plan is known, use the timeline
• Existing (2015)	in that plan. In particular, please identify if there are
Forecast Year No Build (2045)	phases that necessitate certain transportation
Forecast Year Build (2045)	improvements. Please provide phasing information to
	DDOT before beginning analysis.
	Ine phasing of the site development would be established
	by the developer, and thus is not available at this time.
	Incretore, as agreed to in the August 31 meeting with
	boot, the traffic study will evaluate the ultimate full build
	nonzon year of 2045, and a separate sensitivity analysis
	thresholds at which various levels of transportation
	mitigation measures would be required
Vahiele Study Area	<u>Initigation measures would be required</u> .
Venicle Study Area	
Allicon Street NE and North Capitol Street NE	
Anison Street We and North Capitol Street We	
North Capital Street and Harewood Poad NW	
North Capitol Street and Scale Cate Dead (ramp interrection on Scale Cate Dead)	
Inving Street NW and Damp from SD Canital Street	
Inving Street NW and First Street NM	
Rork Disce NW and Kenven Street NW	
Park Place NW and Relivon Street NW	
Park Place NW and Irving Street NW	
Inving Street NE and Michigan Benue NE	
North Capital Street and Michigan Phone NE/NW/	
North capitor street and Wichiga Vende NE/NW	
Pronosed turning movement count intersection	
Turning movement counts will be conducted, on a sical weekday (Tues/Wed/Thurs) while schools and	
congress are in session, during the AM peak period ($\lambda = AM - 10:00$ AM), and PM peak period (4:00 PM - 7:00	
PM). Turning movement counts will include vehicles, here vehicles, pedestrians, and hicyclists	
Roadway Improvements	Please also consult DDOT's Zoning Commission report on
Proposed roadway improvements:	McMillan and the final Zoning Order. Not all mitigations
Several improvements are planned for North Capitol Street, First Street NW, and Michigan Avenue. as part of	proposed by the Applicant were approved by DDOT.



the McMillan Sand Filtration Site PUD. Improvements include additional signalized intersections, removal of peak hour parking on North Capitol Street, signal timing enhancements, and additional turn lanes. The Final Traffic Impact Study for the PUD will be utilized when evaluating the No Action condition for the AFRH study. In addition, Stantec will coordinate with DDOT to identify potential roadway improvements that will result from the planned cross-town transportation study.	Field visits must be performed to update existing geometric information into the Synchro models, and update Synchro files with current traffic signal timing plans. Contact DDOT and request the existing traffic signal timing sheets and TS drawings.
Background Developments The following background development sites have been identified: • McMillan Sand Filtration Site (North Capitol Street and Michigan Avenue) • Park Morton New Communities Initiative	 Study must consider the following background developments: Catholic University of America Master Plan Catholic University of America South Campus Redevelopment VA Medical Center Master Plan Trinity University Campus Plan Michigan at Irving PUD Washington Hospital Center Howard University Campus Master Plan 818 Michigan Avenue Zoning Commission 08-33C – Conference Center and Hotel
Proposed annual background growth: Standar utilizined data from the wrw Compodel to determine the background growth factor. The attacked wap shows the percentage growth between 2015 and 2040 by link. The map shows that the growth factors vary by roadway and by regment, therefore, it was necessary to calculate an average growth rate for the study area so that volumes remembalanced to ween roadway segments. Stantec took the average of the highest growth rate for each roadway segment, to be sonservative. As a result a growth rate of 16% was calculated between 2015 and 2040 (25 years), resulting in an average growth rate of 0.65% per year.	Use the MWCOG regional model to calculate growth factors. Please confirm proposed growth factors DDOT prior to beginning analysis.
Site Trip Distribution & Assignment Preliminary site trip distribution percentages were developed utilizing trip origin/destination tables from MWCOG's 2040 regional travel demand model.	Utilize the MWCOG regional travel demand model to inform trip distribution. Please revise trip distribution to account for requested expansion of study area. Provide updated distribution prior to finalizing scope.



Approach	AM Pea	k Period	PM Pea	k Period				
	In	Out	In	Out		Please confirm distribution and assignment with DDOT		
To/From East Using Franklin Street	22%	22%	23%	22%		prior to beginning analysis.		
To/From East Using Michigan Avenue	5%	5%	6%	6%		<u>Stantec obtained origin and destination trip tables from</u> the MWCOG model for the 2040 horizon year. The trip		
To/From North Using New Hampshire Avenue	10%	6%	6%			tables were utilized to estimate the distribution of trips on the various entry and exit points into/out of the study area		
To/From North Using North Capitol Street	13%	9%	9%	12%		by peak period. Backup data supporting the distribution has been attached.		
To/From North Using Missouri Avenue	2%	2%	2%	2%		Diskibution at intersections will be calculated using the		
To/From Northwest Using Park Place	9%	11%	11%	10%		re <mark>xional</mark> model results with refinements based on peak hour volumes.		
To/From West Using Irving Street/Harvard Street	18%	22%	21%	19%				
To/From South Using North Capitol Street	21%	23%	22%	20%				
Analysis Methodology Proposed analysis methodology:						Analysis must include average and 95% percentile queue results.		
The intersections will be analyzed usir	ng the HCM mod	ule the Synchro	9 traffic simulat	ion modeling pro	gram			
to determine volume-to-capacity ratio, delay 195, and 95% quote The UGM malysis determines the overall operational LOS for an entire signalized more compared to the case of the control operation of streets intersection, and freeway segments.								
the average delay for the worst appro intersections, the HCM analysis is not	ach is considered applicable. DDO	t to represent the T guine ines on the	intersection	For non-control strian interval		Provide Synchro input files along with the study submittal.		
calculation will be followed when prov	viding any signal	timing	ions. Synchro	o files will be prov	ided	5 2 22 22 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
with study submittal.						Please ensure to follow DDOT guidelines on vehicular and pedestrian interval calculation when providing any signal		
						timing recommendations. Contact Ogechi Elekwachi at ogechi.elekwachi@dc.gov if you need a copy of the latest		
						guideline.		
		W.						
Vehicle Trip Mitigation						As noted above, DDOT requires the Applicant discuss		
The capacity analysis will highlight all i	intersections wh	ere the overall int	ersection or indi	vidual approache:	S	intrastructure investments prior to performing the vehicle		



operate at LOS E or F in existing, background, and future scenarios. Vehicular trip mitigation measures will be proposed for any site-generated impacts, defined as: capacity analysis for the future w/ conditions scenario to to mestments are consistent with the desired mode splits. Degradation of LOS to E or worse in future scenario Increase in delay at intersections operating under LOS E or F of greater than 5 seconds, when compared to background scenario Increase in delay at intersections operating under LOS E or F of greater than 5 seconds, when compared to background scenario Increase in 95% queue length of greater than 150 feet, when compared to background scenario. CITE Higgers for like and pedestrian facilities CITE Higgers for like and pedestrian mode share Bkycle and Pedestrian Study area A walkshed analysis of <i>W</i> mile, including routes connecting the site to fransit Stops, Metrorail Stations, and other major generators, will be provided. Data Collection and Analysis of Mile Network and facilities analysis will include be lanely site, whene a qualitable analysis of will be provided. Bike study area should be 1 mile per CTR guidelines. Bike study area should be 1 mile per CTR guidelines. Bike study area should be 1 mile per CTR guidelines. Bike study area should be 1 mile per CTR guidelines. Bike study intersection. CTR will include a qualitable analysis will include crosswalk, sidewalk, and A compared to any of the intervork and facilities analysis will include crosswalk, sidewalk, and A compared to apposed to connect Columbia Heights Metro and Biookland/CUA Metro. Describe how the site is proposed to connect Columbia Heights Metro and Brookl		
- Degradation of LOS to E or worse in future scenario consistent with the desired mode splits. - Increase in deby at intersections operating under LOS E or F of greater than 5 seconds, when compared to background scenario. consistent with the desired mode splits. - Increase in 95% queue length of greater than 150 feet, when compared to background scenario. DOT Comments/Action items - Ricease in 95% queue length of greater than 150 feet, when compared to background scenario. DDT Comments/Action items - CIR Triggers for bike and pedestrian facilities Method analysis of <i>S</i> -mile, including routes connecting the site to transit stops, Metrorail stations, and other major generators, will be provided. The walk and bike study area should be expanded to include the Brookland and Columbia Heights Metro stations. Data Collection and Analysis of S-mile, include file lanes/routes, bike racks, bike rental wors, and bike share stations. The proposed pedestrian facilities analysis will include a qualifative for strain greater the site and adjacent bus stops/Metrorail stations will be identified. Describe how the site is proposed to connect Columbia Heights Metro. Mitigation will be documented in the final CTR, if needed. Heights Metro and Brookland/CUA Metro. Describe ped/bike cornections are made to Metro stations, capital Bikeshare would likely be an important "last mile" connection, derived and yeak identified. Mitigation will be documented in the final CTR, if needed. Describe ped/bike barriers, particularly at ramps. Discuss milegroweneshs. Once facilities/connections are made	operate at LOS E or F in existing, background, and future scenarios. Vehicular trip mitigation measures will be proposed for any site-generated impacts, defined as:	capacity analysis for the future w/ conditions scenario to determine if the type and scale of investments are
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4. Transit Service DDOT Comments/Action Items		site stations and off-site receiving stations.
	4. Transit Service	DDOT Comments/Action Items



<u>CTR Triggers for transit mode share</u> The transit network will be analyzed in the CTR, as appropriate.	
<u>CTR Transit study area</u> The transit study area will include any bus stops within ½ mile of the site.	
Analysis of Transit Network The transit analysis will include a summary of existing bus service (average headways and spans of service), as well as an assessment of the existing condition of all transit stops in the study area (ADA composite, bus shelters, benches, etc.).	The analysis should identify the number of transit seats needed to serve the site. This number should be compared to existing and future capacity. Mitigations for any gaps must be identified. As mentioned above, transit seats needed to serve the site will be new transit seats since there is no existing transit service near the site. Discuss and justify the logical terminus/termini for new transit service.
	Identify gaps and challenges to accessing existing and proposed transit and propose mitigations.
Transit Trip Mitigation Mitigation will be documented in the final CTR, if needed	DDOT's strong preference is for public transit options rather than additional shuttle service. The Applicant should coordinate with stakeholders to provide enhanced public transit service.
5. Site Access and Loading	DDOT Comments/Action Items
The proposed loading analysis will include the loading location, commercial vehicle account on the site, and volumes to/from the loading zones. It is a statistic with that commercial vehicle account will be full access driveways at Irving Street and First Street and Scale account Road.	As mentioned above, the eastern-most access point on Irving Street appears to be located within the off ramp for WB traffic. This is not an acceptable condition, and changes to the geometry of the off ramp and/or access point may be needed to eliminate this geometric conflict.
	The number and dimensions of loading facilities should conform to DCMR Section 2201 (Schedule of Requirements for Loading Berths, Loading Platforms, and Service/Delivery Loading Spaces). If an exception is requested demonstrate that the required loading will adequately serve all uses in the development using the DDOT provided truck delivery projections based on use.

					 DDOT requires that all loading required have the loading platforms and service/delivery loading spaces conform to DCMR section 2201 (Schedule of Requirements for Loading Berths, Loading Platforms, and Service/Delivery Loading Spaces). DDOT requires the Applicant indicate how the provided loading will be accessed internally and externally. Internal access must be provided for all uses in the building. DOT requires truck turn movements be provided to onstrate external access. Truck turn templates must be ted per the DDOT truck turn template. DDOT requires Autoturn diagrams as verification that no turning maneuvers will interfere with roadway operations or on-street parking lanes. The Applicant must provide Autoturns compliant with the DDOT truck turn template. Additionally, the Applicant must provide turns for either a trash truck can be between 8 – 8.5' wide, 13 – 13.6' tall, and 35 – 40' long or a 40' truck, at a minimum. Curb cuts should be designed with the appropriate widths, corner radiuses and providing the appropriate line of sight. For specific requirements, applicants should consult the District of Columbia Design and Engineering Manual. 			
6. Parking					DDOT Comments/Action Items			
All proposed parking will be that 5,189 spaces would be were based on the following Number of Parking Spaces by 1	6. Parking proposed parking will be contained within the site. The Arms Threes Refer and Home Master Plan states to 15 yas spaces would be provided for the mixed-use development in Zone A. Parking demand calculations to based on the following parking ratio: mer of Parking Spaces by Use Image: State of Data State of Data State of Data States of Data St		ies 1s	The parking provision is extremely high and is inconsistent with parking rates seen in other developments throughout the District. This high parking provision will encourage driving and is contrary to District and DDOT goals for encouraging non-auto travel (see attachment for				
		Ratio	Number of Parking		important excerpts from the Comprehensive Plan and			
Land Use	Quantity	(parking spaces per 1,000 SF)	Spaces		moveDC).			
Residential Apartments	2,280,477 SF	1	2,281					
Office	1,191,391 SF	0.98	1,168		Provide an estimate for the number of on-street parking			



-		ΤΟΤΑΙ	5 189
Hotel	126,391 SF	3.3 per 1,000 SF conference space (or 1.25 per room)	189
Assisted Living	214,000 SF	0.75	161
Retail	214,086 SF*	2.5	53 5
Medical Office	290,650 SF	2.94	855

*The Master Plan calls for a base retail square footage of 214,086, but prescribes a potential for an addition 50,000 SF of retail space in the future. Parking space calculations in the Master Plan are based in 214,08. of retail.

Based on the preliminary AM and PM peak hour trip generation analysis, the proposed number of parking spaces is anticipated to be adequate to accommodate vehicle parking demand.



7. Transportation Demand Management

Triggers for a TDM Plan

DDOT will be consulted when developing a TDM plan for the site. A strategies may include:

- Increase publically-accessible transit capacity primarily throup private shuttles and/or enhanced DDOT/WMATA bus services.
- Construct Capital Bikeshare docks.
- Construct electric car charging spaces.
- Designate a TDM coordinate a organize and her ket the TDM plan and who will act as a point of contact with DDOT.
- Post all TDM commitments to the oject website.
- Include links to Commuter Connect and goDCgo on the project website.
- Hold annual commuter fairs with representatives of various transportation providers to explain transportation services available for employees and residents.
- Parking pricing strategy to promote alternation ommute modes.
- All employers will be encouraged to provide Sma tBenefits for their employees.
- Accommodate car-sharing onsite.
- Office and residential building lobbies will display real-time transit and other alternate mode information, using electronic messaging boards.

d.

spaces and explain how those spaces will be managed/signed.

Parking analysis must include peak parking demand estimate for the proposed development, using available research, resources, and comparable. If using the ITE parking generation manual, propose assumptions to convert values to the urban context. Please compare projected parking demand to proposed parking supply.

The parking ratios were established in the Master Plan and will not be adjusted in this traffic study. However, Stantec will examine methods to reduce parking supply (i.e. shared parking, parking maximums, etc.) within the study. These strategies could then be used by the developer to reduce parking supply onsite.

DDOT Comments/Action Items

A robust TDM plan is expected.

The TIS will include possible TDM strategies that could be employed by the developer. The selected developer will be required to submit a complete TDM plan to DDOT for approval.

8. Performance Monitoring & Measurement	DDOT Comments/Action Items
 Coordinate with DDOT to develop a performance monitoring program once a developer has been selected and the site plan has been refined. The performance monitoring program will consist of annual reporting once the project reaches 85% occupancy for a specific phase (coordinated with DDOT based on final site plan). Strategies may include: Monitor egress from site driveways and establish a trip cap. Measure queues along North Capitol Street and Irving Street. The performance monitoring will have the following parameters: The evaluation will be conducted in the fall when Congress, colleges, and such as are in session. Evaluation periods will be roughly 12 months apart. Turning movement counts for the appropriate time periods will be submitted for the following intersections: Irving Street and Site Driveway (west of First Street) Irving Street and Site Driveway (west of First Street) Irving Street and Site Driveway (west of First Street) Irving Street and Scale Gate Road Interchange Queuing analyses will be performed during the full mour of the roady of or AM of the weekday peak hours. Submit a copy of the analyses to DDOT and submeighborhood organization usuater than three months after data collection. When conditions are consistent with the requirements for two successive periods the Applicant will conduct a survey of users to determine travel patterns to an from thread. Based on the approach will conduct a survey of users to determine travel patterns to an from thread. Based on the approach will conduct a survey of users to determine travel patterns to an from thread. Based on the approach will conduct a survey of users to determine travel patterns to an from thread. Based on the approach will conduct a survey of users to determine travel patterns to an from thread to review from DDOT. 	Given the scale of this project, a performance monitoring plan may be appropriate. This would be determined during DDOT's review of the CTR.
9. Safety	DDOT Comments/Action Items
A safety analysis will be performed to demonstrate that the propose i development will not create or exacerbate existing safety issues for all modes of travel. A crash analysis will be ponducted for intersections with a 1.0 MEV crash rate or higher.	Due to high vehicle trip generation, mitigations should be proposed.
10. Streetscape/Public Realm	DDOT Comments/Action Items

CTR will follow DDOT streetscape/public realm guidelines.	Provide typical sections for both external and internal streets.
Information/Data Requests (List requested data from DDOT after each field below):	
District planning documents:	
Local planning documents, including small area plans:	
 Information on programmed and/or funded roadway improvements in study area 	
Studies for background developments in study area:	
 McMillan Sand Filtration Site (North Capitol Street and Michigan december) 	
 Park Morton New Communities Initiative 	
 Other sites TBD at CTR Scoping Meeting 	
 Signal Himligs. Allicon Street NE and North Capital Street NE 	
Amson street we and North Capitol Street we Back Creek Church Dead NW and North Capitol Street	
North Capital Street and Harewood Road NW	
 North Capitol Street and Scale Gate Board Imp intersection in Scale Gate ad) 	
 Inving Street NW and Ramp from SB / Street 	
 Inving Street NW and First Street N 	
• Park Place NW and Kenvon Street N	
 Park Place NW and Irving Street NW 	
 Irving Street NW and Hobart Place NW 	
 Irving Street NE and Michigan Avenue NE 	
 North Capitol Street and Michigan Avenue NE/Net 	
Crash Data: Most recent three-year period for all interfactions versa crash rate of 1.0 MEV of	or higher.
Proposed Schedule:	
DDOT comments on Scoping Document:	
Transportation Consultant/Applicant responses to comments:	
Phase I Completion:	
Phase II Completion:	
Submission of Report to DDOT:	
Zoning Commission or BZA Hearing Date:	
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CTR Draft Beta Version September 2012	





Trip Distribution Summary

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		AM Pe	ak Period			PM Pe	ak Period			C	Daily	
		Trips				Trips				Trips		
	Trips Inbound	Outbound	Percentage of	Percentage of	Trips Inbound	Outbound	Percentage of	Percentage of	Trips Inbound	Outbound	Percentage of	Percentage of
	To Site	From Site	Trips Inbound	Trips Outboud	To Site	From Site	Trips Inbound	Trips Outboud	To Site	From Site	Trips Inbound	Trips Outboud
To/From East Using Franklin St	587	292	2.2%	2.2%	665	925	23%	23%	2750	2749	22%	22%
To/From East Using Michigan Avenue	143	69	5%	5%	171	231	6%	6%	716	717	6%	6%
To/From North Using New Hampshire Avenue	268	77	10%	6%	179	354	6%	9%	920	920	7%	7%
To/From North Using North Capitol Street	349	120	13%	9%	273	477	9%	12%	1329	1327	11%	11%
To/From North Using Missouri Avenue	53	29	2%	2%	68	87	2%	2%	285	285	2%	2%
To/From Northwest Using Park Place	236	145	9%	11%	329	403	11%	10%	1314	1313	11%	11%
To/From West Using Irving Street/Harvard Street	471	289	18%	2.2%	603	770	21%	19%	2403	2405	20%	20%
To/From South Using North Capitol Street	536	32.2	20%	2.4%	651	856	22%	21%	2552	2551	21%	21%
TOTAL	2644	1343	100%	100%	2940	4101	100%	100%	12269	12267	100%	100%

Zone 1: To/From East Via Franklin St

- [ZONES	2015	Daily	2040	Daily	201	5 AM	2040	AM	2015	5 PM	2040	PM
H	100	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
168	212	5.34	5.4	15.98	59.50 16.06	0.55	0.41	2.52	2.03	1 74	1.64	4	4.6
212	214	0.35	0.43	0.57	0.65	0.03	0.06	0.07	0.13	0.11	0.11	0.17	0.16
214	215	5.74	6.24	8.71	9.12	0.5	0.7	0.87	1.25	1.75	1.8	2.63	2.53
215	216	8.09	8.09	18.36	18.36	0.97	0.78	2.25	2.17	Z 11	2.2	4.77	4.8
216	217	2.39	2.39	7.17	7.19	0.3	0.24	1.01	0.81	0.6	0.63	1.77	1.88
217	218	6.4	6.13	12.07	11.79	0.92	0.82	1.76	1.66	1.78	1.71	3.19	3.1
218	219	6.25	6.25	23.29	23.29	1.15	0.52	4	2.71	1.42	1.88	5.79	6.7
219	220	12.31	12.55	27.86	27.86	2.09	1.04	4.84	2.89	2.96	3./	5.59	8.0
220	221	4.46	4.49	9.41	9.45	1.79	0.50	0.8	2.0	1.49	1.59	5.17	2.0
222	223	983	98.33	173.85	173.88	10.3	13.43	17.07	31.69	32 71	30.04	60.5	48.2
223	22.4	112.51	112.51	506.39	506.39	12.43	12.43	66.47	66.47	34.66	34.66	148.09	148.0
224	225	9.35	9.34	22.15	22.15	1.69	0.68	4.05	2	2.01	2.75	4.89	6.4
225	226	18.99	18.99	26.17	26.17	1.72	2.18	2.21	4.23	6.02	5.69	8.63	7.2
226	22.7	5.67	5.67	13.88	13.87	0.85	0.51	2.21	1.53	1.37	1.61	3.41	3.8
227	228	15.34	15.44	28.49	28.49	1.99	1.59	3.86	3.45	4.41	4.69	8.16	8.2
228	229	2.61	2.64	6.45	6.49	0.45	0.19	1.17	0.57	0.59	0.79	1.47	1.8
229	230	4.14	4.19	9.73	9.78	0.79	0.28	1.9	0.77	0.88	1.25	2.09	2.8
230	231	5.01	4.97	12.29	12.29	0.6	0.41	1.68	1.16	1.35	1.42	3.22	3.4
231	232	6.31	6.58	17.27	17.33	0.99	0.56	2.99	1.73	1.57	1.88	4.18	5.0
122	235	2 5 1	0.97	23.35	23.43	0.69	0.50	3.36	2.21	L //	1.94	5.99	0. 2 2
234	234	3.36	2.94	7.72	7.65	0.42	0.3	0.94	0.82	0.52	0.95	2 11	2.1
235	236	4.94	5.01	13.21	13.28	0.78	0.35	2.15	1.14	1.12	1.37	3.09	3.6
236	237	5.47	5.44	13.13	13.12	0.72	Đ.44	1.84	1.27	1.43	1.56	3.41	3.6
237	238	3.81	3.85	7.9	7.92	0.61	0.3	1.35	0.69	0.94	1.16	1.89	2.3
238	239	7.12	7.07	19.01	18.96	1.06	0.46	3.07	1.62	1.62	1.9	4.38	5.1
239	240	4.82	4.89	11.33	11.38	0.74	0.36	1.91	0.96	1.1	1.33	2.58	3.0
240	241	6.2	6.29	13.54	13.62	0.87	0.5	2.08	1.24	1.51	1.72	3.25	3.6
241	242	2.94	2.98	6.92	6.96	0.46	0.22	1.16	0.58	0.66	0.79	1.56	1.8
242	244	13.34	13.35	\$5.08	55.06	2.15	0.94	9.21	5.42	3.06	3.89	13.23	16.0
244	251	1.03	1.03	2.46	2.5	0.17	0.08	0.42	0.21	0.25	0.29	0.56	0.6
252	252	1.02	1.04	3.74	3.71	0.12	0.00	0.20	0.13	0.16	0.22	0.4	0.4
253	254	1.00	1.04	2.64	2.65	0.19	0.08	0.45	0.24	0.20	0.34	0.62	0.7
254	255	2.16	2.09	4.26	4.21	0.29	0.19	0.62	0.44	0.59	0.61	1.14	1.2
255	256	1.13	1.03	3.56	3.48	0.18	0.08	0.55	0.36	0.28	0.29	0.95	1.0
256	257	2.58	2.58	6.25	6.13	0.33	0.25	0.89	0.69	0.73	0.77	1.73	1.
257	258	0.86	88.0	1.78	1.8	0.13	80.0	0.29	0.16	0.22	0.25	0.44	0.5
258	259	3.39	3.41	6.45	6.48	0.57	0.38	1.12	0.75	0.91	1.02	1.67	1.8
259	260	7.26	7.23	18.15	18.07	1.09	0.59	2.96	1.68	1.85	2.13	4.49	5.
260	261	6.26	6.26	7.88	8.05	0.57	0.56	0.93	0.94	1.79	1.79	2.29	2.3
261	262	4.89	4.96	12.84	12.89	0.64	0.42	1.9	1.24	1.28	1.43	3.27	3.6
262	265	6.25 5.95	6.22	12.62	12.61	0.7	0.65	1.55	1.55	1.74	1.75	5.5	3.4
264	204	5.05	5.24	14.68	14.54	0.7	0.54	7.35	1.05	1 37	1.5	3.55	4.0
265	266	13.07	7	27.08	20.94	2.14	0.8	4.07	2.58	3.96	2.08	7.9	6.0
266	267	1.65	1.72	3.81	3.82	0.23	0.14	0.58	0.4	0.41	0.48	0.97	1.0
267	26B	1.19	1.18	2.32	2.31	0.18	0.1	0.36	0.23	0.28	0.32	0.56	0.6
268	269	3.35	3.35	9.95	9.94	0.44	0.28	1.37	1.1	0.82	0.91	Z.6	2.7
269	270	2.47	2.51	4.17	4.21	0.22	0.27	0.4	0.51	0.75	0.73	1.28	1.2
270	271	3.57	3.66	7.1	7.2	0.37	0.37	0.8	0.93	1	1.03	2.01	1.9
271	272	2.87	2.88	5.98	5.98	0.38	0.25	0.81	0.63	0.71	0.78	1.5	1.5
272	2/3	6.55	12.81	14.5	20.88	0.73	1.92	1.85	3.29	2	4.04	4.25	b.2
273	2/4	4.44	5.59	9.67	10.8	0.65	0.65	1.42	1.51	1.14	1.62	2.52	5.0
275	2/5	2.44	2.95	3.57	3.69	0.52	0.52	0.91	U./b	0.00	0.65	1.41	1.
276	304	0.77	0.77	1.61	16	0.04	0.07	0.1	0.23	0.49	0.18	0.43	0.3
304	307	0.43	0.47	0.74	0.8	0.04	0.04	0.09	0.09	0.12	0.14	0.21	0.2
307	308	1.66	1.59	3.85	3.78	0.24	0.13	0.62	0.37	0.41	0.44	0.93	1.0
308	309	2.07	2.07	6.33	6.27	0.29	0.17	0.92	0.72	0.51	0.58	1.66	1.7
309	310	2.17	2.13	10.98	11	0.28	Ð. 2	1.44	1.29	0.59	0.62	3.18	3.2
310	311	1.51	1.45	3.28	3.17	0.25	0.11	0.52	0.3	0.36	0.4	0.79	0.8
311	314	2.09	2.03	3.94	3.91	0.25	0.19	0.53	0.43	0.59	0.59	1.1	1.1
314	322	1.16	1.2	2.56	2.59	0.21	0.09	0.49	0.21	0.26	0.35	0.57	0.7
322	323	1.54	U.64	1.09	1.06	0.08	0.06	0.15	0.12	0.19	U.2 D 5 2	1.32	0.3
324	375	1.09	1.65	4.03	3.78 3.74	0.51	D 17	0.0/	0.57	0.47	0.35	1.01 n.se	11
325	325	11	1.52	4.47	4 37	0.17	0.12	0.5/	0.44	0.55	0.37	1.13	1 2
326	327	0.98	0.86	2.61	2.5	0.15	0.06	0.42	0.25	0.25	0.24	0.67	0.7
327	32.8	1.17	1.12	2.11	2.11	0.19	0.09	0.37	0.19	0.29	0.32	0.5	0.5
32B	32.9	0.32	0.32	0.58	0.58	0.04	0.02	0.09	0.06	0.08	0.1	0.15	0.1
329	330	2.4	2.38	4.94	4.95	0.33	0.18	0.81	0.44	0.63	0.71	1.21	1
330	331	1.17	1.14	2.35	2.29	0.19	0.08	0.4	0.19	0.28	0.33	0.55	0.6
331	332	0.64	0.63	1.55	1.55	0.11	0.05	0.28	0.13	0.15	0.18	0.35	0.4
332	333	1.31	1.31	2.79	2.78	0.21	0.12	0.44	0.28	0.33	0.37	0.71	0.7
333	836	1.71	1.69	3.42	3.42	0.48	0.14	0.96	0.32	0.36	0.67	0.73	1.3
636 940	840	1.36	1.34	2.69	2.61	0.43	0.1	0.8	0.23	0.25	0.54	0.53	1.0
64U 941	842	1.51	1.31	2.49	2.49	0.41	0.09	0.76	0.19	0.24	0.53	0.47	0.9
842	843	1.86	1.83	3.79	3.72	0.71	0.1	1.43	0.21	0.25	0.81	0.54	1.6
857	880	1.30	1 21	7 54	2.25	0.52	0.09	0.56	0.2	0.52	0.45	0.57	0.0
880	891	0.04	0.04	0.89	0.89	0.01	0.11	0.13	0.15	0.01	0.07	0.29	07
891	893	3.41	3.43	6.61	6.63	0.49	0.43	0.98	0.98	1.03	1.1	2.06	2.0
893	894	0.84	0.84	1.91	1.9	0.28	0.05	0.61	0.13	0.14	0.34	0.33	0.7
894	895	0.01	0.01	2.16	2.16	0	0	0.62	0.2	0	Ð	0.45	0.8
895	896	0.71	0.71	1.45	1.42	0.23	0.05	0.44	0.12	0.13	0.29	0.28	0.5
	000	0.62	0.84	1.65	1.66	0.1	0.1	0.2	0.26	0.27	0.26	0.55	0
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Zone 2: To/From East Using Michigan Ave

	ZONES	2015	Daily	2040 D	aily	2015 /	AM AM	2040	AM	2015	PM	2040	PM
217	217	1000000 2 3 9	Outbound 2 39	7 17	7 19	Indound L	n 24	1.01	0.81	Indound (0.63	1 77	1 88
227	22.7	5.67	5.67	13.88	13.87	0.85	0.51	2.21	1.53	1.37	1.61	3.41	3.87
228	22.B	15.34	15.44	28.49	ZB.49	1.99	1.59	3.86	3.45	4.41	4.69	8.16	8.29
229	229	2.61	Z.64	6.45	6.49	0.45	0.19	1.17	0.57	0.59	0.79	1.47	1.87
230	230	4.14	4.19	9.73	9.78	0.79	0.28	1.9	0.77	0.88	1.25	2.09	2.87
232	232	6.31	6.38	17.27	17.33	0.99	0.56	2.99	1.73	1.57	1.88	4.18	5.01
233	233	6.9	6.97	23.35	23.43	0.89	0.56	3.38	2.21	1.77	1.94	5.99	6.6
234	234	3.52	3.54	12.06	12.06	0.42	0.3	1.51	1.25	0.92	0.98	3.24	3.36
235	235	3	Z.93	7.72	7.65	0.36	0.24	0.94	0.BZ	8.G	0.82	2.11	2.13
235	235	4.94	5.01	13.21	13.28	0.78	0.35	2.15	1.14	1.12	1.37	3.09	3.64
238	238	3.81	3.85	7.9	7.92	0.61	0.3	1.35	0.69	0.94	1.16	1.89	2.34
239	239	7.12	7.07	19.01	18.96	1.06	0.46	3.07	1.62	1.62	1.9	4.3B	5.11
240	240	4.82	4.89	11.33	11.38	0.74	0.36	1.91	0.96	1.1	1.33	2.58	3.08
241	241	6.2	6.29	13.54	13.62	0.87	0.5	2.08	1.24	1.51	1.72	3.25	3.69
242	242	7.26	7.23	18.15	18.07	1.09	0.22	2.96	1.68	1.85	2.13	4.49	5.2
261	261	6.26	6.26	7.88	8.05	0.57	0.56	0.93	0.94	1.79	1.79	2.29	2.33
262	262	4.89	4.96	12.84	12.89	0.64	0.42	1.9	1.24	1.28	1.43	3.27	3.63
263	263	6.25	6.22	12.62	12.61	0.7	0.63	1.55	1.56	1.74	1.76	3.5	3.46
893	893	3.41	3.43	2.54	6.63	0.27	0.12	0.59	0.29	1.03	0.44	2.05	2.05
894	894	0.84	0.84	1.91	1.9	0.28	0.05	0.61	0.13	0.14	0.34	0.33	0.75
895	895	0.01	0.01	2.16	2.16	0	Ð	0.62	0.2	0	0	0.45	0.83
896	896	0.71	0.71	1.45	1.42	0.23	0.05	0.44	0.12	0.13	0.29	0.2B	0.55
899	897	1.85	1.85	5.64	3.59	0.2	0.23	0.41	0.56	0.6	0.55	1.22	1.05
901	899	0.83	0.84	1.65	1.66	0.1	0.1	0.2	0.26	0.27	0.26	0.55	0.5
902	900	2.67	2.61	6.14	6.11	0.77	0.21	1.85	0.52	0.55	1.02	1.21	2.4
903	903	2.09	2.08	4.39	4.33	0.6	0.16	1.27	0.38	Ð.41	0.81	0.89	1.67
904	904	1.35	1.43	2.93	2.99	0.16	0.21	0.33	0.5	0.45	0.44	1.01	0.88
905	905	0.4	0.4	2.1	2.12	0.04	0.03	0.64	0.20	0.25	0.50	0.04	0.83
907	907	0.39	0.4	0.89	0.89	0.14	0.01	0.31	0.06	0.06	0.17	0.14	0.37
908	908	0.85	0.88	1.78	1.81	0.27	0.07	0.54	0.14	0.15	0.35	0.33	0.69
909	909	0.4	0.4	1.34	1.32	0.06	0.04	0.35	0.13	0.11	0.13	0.3	0.49
910	910	1.45	1.48	0.73	2.74	0.37	0.12	0.75	0.26	0.5	0.55	0.56	0.1
912	912	0.99	0.99	Z.49	2.51	0.17	0.11	0.61	0.27	0.27	0.33	0.59	0.9
913	913	4.48	4.42	11.21	11.32	0.66	0.49	1.84	1.36	1.34	1.48	3.26	3.73
914	914	0.52	0.51	2.59	2.6	0.13	0.05	0.75	0.26	0.12	0.19	0.52	0.96
915	915	1.69	1.71	3.93	3.97	0.46	0.13	0.79	0.41	0.33	0.64	0.85	1.38
917	917	4.03	4.05	10.31	10.21	0.41	0.55	1.1	1.34	1.78	1.26	3.31	3.12
918	918	1.72	1.72	2.72	2.76	0.23	0.18	0.41	0.36	0.5	0.54	0.8	0.86
919	919	1.21	1.21	2.37	2.38	0.27	0.1	0.56	0.22	0.28	0.43	0.52	0.82
920	920	1.95	1.96	5.08	5.06	0.42	0.17	1.01	0.58	0.48	0.7	1.35	1.7
921	921	0.79	0.79	7.73	2.81	0.21	0.05	0.48	0.15	0.16	0.5	0.38	0.66
923	923	0.73	0.72	1.62	1.62	0.26	0.05	0.54	0.11	0.11	0.3	0.26	0.63
924	924	1.15	1.16	2.82	2.86	0.37	0.07	0.86	0.22	0.2	0.47	0.52	1.1
925	925	0.01	0.01	0.03	0.03	0	0	0	0	0	0	0.01	0.01
926	925	0.83	0.85	0.67	1.66	0.29	0.05	0.5/	0.12	0.13	0.35	0.27	0.68
937	937	2.25	2.28	5.31	5.35	0.57	0.17	1.28	0.48	0.45	0.81	1.12	1.82
942	942	0.86	0.85	1.87	1.87	0.22	0.06	0.48	0.15	0.17	0.31	0.38	0.65
943	943	3.12	3.1	10.11	10.21	0.57	0.29	1.8	1.11	0.81	1.03	2.7	3.32
944	944	5.26	5.3	12.55	12.45	1.32	0.34	2.98	1.02	1.06	0.71	2.68	4.26
945	946	1.99	2.01	3.97	3.95	0.45	0.19	0.89	0.35	0.45	0.68	0.9	1.31
947	947	4.13	4.1	8.4	B.47	0.8	0.3	1.74	0.75	0.96	1.38	1.94	2.81
948	948	4.43	4.54	9.96	10.09	1.13	0.32	2.53	0.79	0.9	1.64	2.02	3.54
949 050	949	4.43	4.5	9.73	9.81	0.91	0.37	2.11	0.85	1.09	1.59	2.31 .n.g	3.44
951	951	1.67	1.7	3.81	3.85	0.2	0.19	0.53	0.45	0.5	0.52	1.09	1.18
952	952	1.57	1.57	3.42	3.44	0.36	0.12	0.8	0.29	0.32	0.53	0.72	1.14
953	953	1.66	1.67	3.73	3.73	0.46	0.12	1.01	0.3	0.3	0.61	0.71	1.33
954	954	0.5	0.51	1.11	1.15	0.12	0.03	0.26	0.09	0.11	0.18	0.23	0.39
956	956	3.13	3.13	6.78	6.78	0.83	0.17	1.8	0.48	0.59	1.15	1.33	2.42
957	957	2.83	2.8	6.34	6.42	0.54	0.24	1.23	0.63	0.69	0.94	1.56	2.11
958	958	1.74	1.79	3.99	4.04	0.43	0.15	0.92	0.39	0.38	0.64	0.9	1.36
959	959	3.21	3.27	7.39	7.43	0.49	0.27	1.18	0.71	0.85	1.06	1.97	2.37
960	960	1.95	2.62	4.5	4.37	0.3	0.23	0.69	0.66	0.56	0.62	1.26	1.32
962	962	1.94	1.91	4.26	4.31	0.48	0.14	1.07	0.36	0.41	0.7	0.91	1.53
963	963	1.44	1.41	3.06	3.04	0.41	0.09	0.85	0.22	0.25	0.51	0.57	1.09
964	964	0.85	0.85	2.04	2.09	0.24	0.04	0.55	0.14	0.15	0.32	0.38	0.73
965	965	1.84	1.83	4.3	4.34	0.52	0.12	1.2	0.32	0.35	0.69	0.82	1.59
965	965	3.27	3.27	7.28	5.37	0.34	0.09	1.78	0.26	0.63	1.13	1.45	2.46
968	968	0.69	0.69	3.16	3.14	0.07	0.07	0.72	0.27	0.21	0.21	0.69	1.03
969	969	1.09	1.09	2.36	2.44	0.22	0.07	0.48	0.17	0.24	0.37	0.53	0.8
970	970	1.89	1.91	7.37	7.37	0.5	0.12	1.95	0.53	0.35	0.67	1.39	2.53
971	9/1	2.58	2.58	7.34	5.81 7.70	0.08	0.15	1.52	0.44	0.47	0.9	2.04	2.39
973	973	2.89	2.88	7.63	7.75	0.83	0.18	2.11	0.6	0.51	1.09	1.45	2.78
974	974	3.37	3.34	7.15	7.08	0.6	0.3	1.31	0.73	0.88	1.13	1.9	2.35
975	975	3.24	3.24	7.45	7.47	0.95	Ð. 2	2.06	0.51	0.57	1.22	1.3B	2.67

976 977 978 978 980 981 982 983 984 985 989 992 993 994 993 993 993 993 993 994 995 993 993 994 1001 1005 1006 1007 1007 1007 1008 1029 1033 976 1.14 117 142 1,7 142 1,7 142 1,3 143 133 146 0,85 0,22 118 159 0,43 159 0,43 159 0,43 159 0,43 159 0,43 159 0,43 159 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,43 0,44 0,43 0,43 0,43 0,44 0,43 0,44 0,43 0,44 0,43 0,44 0,43 0,44 0,43 0,44 0,44 0,43 0,44 0,47 2.64 2.64] 1.7 3.81 0.12 4.59 3.81 0.12 4.59 0.77 4.79 0.73 3.70 4.29 3.70 4.29 3.70 4.29 3.70 4.29 3.70 4.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.24 5.47 0.12 1.25 1.23 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.23 1.23 1.23 1.23 1.23 1.23 1.23 1.23 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.25 1.22 1.24 1.24 1.24 1.24 1.25 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.27 1.24 1.27 1 0.37 0.82 0.17 0.17 0.46 0.44 1.01 0.66 0.56 1.44 1.13 1.49 0.7 0.26 1.15 1.27 1.36 0.43 0.36 0.43 0.36 0.51 0.01 1.99 0.54 0.36 0.51 0.01 1.99 0.54 0.54 0.51 0.51 0.43 1.07 0.25 977 978 979 980 0.78 0.47 0.39 1.111 2.63 1.7 0.78 0.65 0.54 0.14 0.54 0.14 0.54 0.54 0.54 0.54 1.72 1.72 1.72 1.72 0.35 0.65 0.54 1.77 1.77 0.65 0.54 0.55 0.54 0.55 0.54 0.55 0.55 0.54 0.55 0.55 0.55 0.54 0.55 0 981 982 983 984 985 985 986 986 988 989 990 991 993 994 995 996 997 998 999 1001 1004 1005 1006 1007 1008 1027 1028 1027 1028 1020 297.35 143.46 68.95 170.61 230.52

Zone 3: To/From North Using New Hampshire Ave

	ZONES	2015 Dail	¥ thound	2040 Da	il y ithound	2015 A	Muthound	2040 Al	M rthough	2015 Pl	VI ithough	2040 F	Muthound
239	239	7.12	7.07	19.01	18.96	1.06	0.46	3.07	1.62	1.62	1.9	4.38	5.11
242	242	2.94	2.98	6.92	6.96	0.46	0.22	1.16	0.58	0.66	0.79	1.56	1.87
243	243	1.82	1.82	17.59	17.58	0.27	Ð.14	2.54	1.73	0.42	0.4B	4.45	4.86
248	248	3	2.97	6.85	6.88	0.53	0.25	1.25	0.71	0.7	0.89	1.62	1.99
245	249	8.92	8.88	24.21	24.15	1.03	0.85	3.43	2.5	2.43	2.54	6.31	6.75
493	493	0.78	0.78	1.86	1.84	0.39	0.02	0.86	0.06	0.07	0.42	0.18	0.92
494	494	0.77	0.77	1.8	1.82	0.38	0.01	0.87	0.05	0.06	0.41	0.15	0.94
495	495	0.39	0.39	0.99	0.99	0.15	0.02	0.38	0.05	0.06	0.18	0.14	0.45
496	496	0.14	0.14	0.32	0.32	0.07	0	0.16	0.01	0.01	0.08	0.02	0.17
499	495	3.01	0.41	8.28	8.29	1.11	0.02	3.14	0.52	0.00	1.32	1.23	3.63
500	500	0.71	0.71	1.95	1.95	0.29	0.04	0.76	0.11	0.1	0.33	0.28	0.87
501	501	0.27	0.27	0.61	0.61	0.1	0.01	0.25	0.04	0.04	0.13	0.08	0.2B
502	502	6.56	6.56	10.27	10.27	1.62	0.98	2.86	1.35	1.8	2.4	2.53	3.92
503	503	0.9	0.88	2.6	2.6	0.33	0.05	0.86	0.2	0.15	0.4	0.46	1.07
505	505	1.05	1.35	3.08	3.08	0.54	0.05	1.36	0.15	0.2	0.58	0.45	1.47
536	536	1.11	1.11	2.78	2.8	0.43	0.06	1.07	0.15	0.15	0.5	0.37	1.21
537	537	1.55	1.51	3.59	3.59	0.59	0.08	1.37	0.19	0.22	0.68	0.51	1.58
53B	538	0.52	0.51	2.15	2.17	0.19	0.03	0.78	0.14	0.08	0.22	0.33	0.91
539	539	4.59	4.52	9.34	9.23	1.63	0.35	3.31	0.78	0.76	1.96	1.58	3.93
571	571	1.54	1.54	3.48	3.51	0.56	0.09	1.82	0.23	0.23	0.66	0.54	1.47
572	572	0.99	0.96	2.34	2.34	0.33	0.06	0.75	0.16	0.16	0.4	0.4	0.92
573	573	2.01	1.98	4.4B	4.5	0.71	Ð.11	1.53	0.31	0.3	0.84	0.73	1.82
574	574	1.26	1.26	3.03	3.01	0.48	0.06	1.09	0.18	0.17	0.56	0.45	1.27
575	575	1.62	1.6	3.57	3.57	0.64	0.08	1.37	0.19	0.2	0.71	0.48	1.54
577	577	1.98	1.98	4.63	4.62	0.82	0.11	1.88	0.27	0.24	0.98	0.74	2.07
578	578	0.72	0.73	1.67	1.66	0.24	0.06	0.52	0.15	0.13	0.3	0.33	0.66
579	579	0.54	0.55	1.54	1.54	0.2	0.03	0.56	0.1	0.08	0.24	0.24	0.65
580	580	0.83	0.82	2.17	2.16	0.35	0.05	0.81	0.13	0.1	0.39	0.32	0.93
581	581	1.55	1.55	3.61	3.67	0.58	0.1	1.24	0.27	0.23	0.67	0.61	1.51
583	583	0.14	0.14	0.36	0.36	0.05	0.01	0.14	0.02	0.02	0.06	0.05	0.16
584	584	5.26	5.17	11.59	11.47	1.96	0.3	4.06	0.81	0.78	2.29	1.9	4.87
585	585	1.79	1.77	3.68	3.68	0.59	0.12	1.21	0.27	0.3	0.72	0.63	1.49
586	586	4.16	4.09	15.67	15.58	0.65	0.5	2.04	2.62	1.18	1.31	5.01	4.51
587	587	3.78	3.79	4.13	8.02	1.22	0.28	2.44	0.65	0.67	1.55	1.47	3.14
589	589	0.95	0.93	1.89	1.91	0.26	0.08	0.53	0.18	0.2	0.36	0.39	0.72
590	590	0.88	0.87	2	1.98	0.27	0.06	0.6	0.15	0.17	0.35	0.36	0.74
591	591	4.13	4.04	8.91	B.8	1.3	0.25	2.77	0.72	0.69	1.63	1.58	3.43
592	592	4.95	4.96	9.69	9.85	0.53	0.77	1	1.95	1.7	1.49	3.5	2.72
595	595	2.08	2.06	4.93	4 96	0.4	0.16	1 39	0.0	0.5	0.69	0.91	1.05
595	595	2.84	2.86	6.94	6.93	0.78	0.2	1.9	0.56	0.55	1.06	1.36	2.5
596	596	1.74	1.74	4.23	4.2	0.4B	0.14	1.02	0.46	0.35	0.67	0.98	1.49
597	597	2.07	2.07	4.27	4.29	0.61	0.15	1.25	0.37	0.39	0.8	0.83	1.61
598	598	2.5	2.5	5.67	5.67	0.75	0.19	1.65	0.47	0.45	0.97	1.07	2.12
604	604	0.79	0.8	2.08	2.08	0.35	0.04	0.62	0.13	0.12	0.31	0.35	0.77
605	605	1.54	1.54	3.88	3.85	0.47	0.1	1.11	0.28	0.27	0.6	0.7	1.41
606	606	2.02	2.03	4.77	4.76	0.54	0.13	1.18	0.4	0.37	0.74	0.97	1.65
607	607	3.11	3.07	7.01	6.93	0.89	0.2	1.85	0.59	0.55	1.15	1.34	2.44
608	608	3.01	5 797	11.08	11 15	0.8	0.22	2.08	1.55	0.57	1.1	1.48	2.75
610	610	3.31	3.31	7.5	7.5	0.96	0.22	2.06	0.61	0.59	1.25	1.42	2.7
611	611	2.29	2.29	5.36	5.4	0.6	0.15	1.35	0.48	0.42	0.83	1.06	1.85
612	612	2.46	2.47	6.63	6.55	0.7	0.19	1.67	0.66	0.45	0.91	1.38	2.27
613	613	2.75	2.74	5.84	5.75	0.4	0.25	1.01	0.6	0.75	0.9	1.5	1.86
615	615	2.88	2.88	11.51	11.62	0.5	0.2	1.85	1.21	0.67	0.92	2.92	3.55
616	616	2.87	2.85	8.34	8.38	0.65	0.17	1.79	0.69	0.57	0.96	1.79	2.72
617	617	3.39	3.34	8.04	8.13	0.83	0.25	1.89	0.75	0.67	1.15	1.67	2.7
618	618	2.42	2.42	7.09	7.14	0.54	0.17	1.61	0.65	0.5	0.83	1.5	2.39
620	620	1.66	1.55	4.19	416	0.75	0.15	0.62	0.52	0.50	0.52	1.42	1.25
621	621	3.42	3.42	6.88	6.96	0.78	0.23	1.74	0.57	0.7	1.17	1.38	2.38
622	62.2	2.85	2.85	6.2	6.28	0.73	0.18	1.59	0.58	0.53	1.02	1.24	2.17
859	859	0.04	0.04	0.11	0.11	0.02	Ð	0.05	0	0	0.02	0.01	0.06
860	860	0.5	0.5	1.11	1.1	0.22	0.01	0.47	0.05	0.05	0.25	0.13	0.51
862	862	0.45	0.45	1.4	1.4	0.2	0.01	0.50	0.05	0.04	0.22	0.15	0.67
863	863	0.58	0.55	1.24	1.24	0.27	0.01	0.56	0.04	0.06	0.28	0.12	0.61
864	864	0.18	0.18	0.96	0.94	0.02	0.02	0.33	0.07	0.06	0.06	0.16	0.38
865	865	1.04	0.97	2.21	2.09	0.12	0.14	0.26	0.38	0.34	0.29	0.76	0.57
866	866 867	1.09	1.06	2.44	2.43	0.23	0.11	0.57	0.29	0.29	0.39	0.65	3.78
868	868	0.83	0.82	1.7	1.7	0.23	0.07	0.49	0.16	0.17	0.32	0.36	0.67
869	869	0.23	0.24	1.59	1.64	0.06	0.03	0.64	0.1	0.05	0.1	0.22	0.73
870	870	1.05	1.19	2.05	2.26	0.17	0.25	0.34	0.53	0.28	0.26	0.56	0.46
B71	871	0.48	0.48	6.18	6.07	0.08	0.06	1.04	0.89	0.14	0.17	1.88	1.97
8/2	8/2	0.04	0.03	2.27	2.27	0.01	0	0.26	11.54 1.30	0.01	0.01	0.75	2.62
874	874	0.52	0.54	1.33	1.33	0.21	0.03	0.48	0.08	0.06	0.25	0.21	0.56
875	875	0.82	0.81	1.84	1.84	0.31	0.04	0.65	0.11	0.11	0.36	0.28	0.76
876	876	1.7	1.71	3.34	3.33	0.41	0.18	0.81	0.38	0.4	0.62	0.8	1.19
B77	877	1.23	1.26	2.88	2.95	0.38	0.09	0.79	0.28	0.24	0.51	0.62	1.12

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 0. 0.42 0.36 0.37 0.31 0.34 0.36 0.46 0.3 0.3 2896 2950 2951 0.64 0.73 0.69 2952 0.65 2953 0.68 2954 2955 2956 0.86 0.58 0.54 0.29 2957 2958 2959 2960 2961 2962 2963 2963 0.49 0.18 0.58 0.4 0.5 0.29 0.25 2965 2967 2968 2969 2970 2971 2972 2973 2974 2975 2976 2977 2978 2979 2980 1.08 0.12 0.72 1.28 1.32 0.41 0.42 0.11 0.56 0.48 0.9 0.57 2.24 0.25 0.68 0.33 2981 2982 2983 2984 2985 2986 2986 2987 2988 0.25 2.03 0.61 2.62 0.49 3.23 0.56 0.76 2989 2990 2991 2992 2993 2994 2995 2996 2997 2998 2999 3000 3001 1.12 1.07 1.15 0.93 1.58 1.06 1.62 0.8 0.76 0.48 0.77 0.12 0.42 0.52 3002 3003 3004 3005 3006 3007 3008 3009 0.75 1.12 1.15 1.68 1.43 2.12 2.11 3010 3011 3012 3013 3014 0.85 1.73 1.57 2.49 0.16 1.77 4.33 1.14 3.36 3015 3016 3017 3021 3022 3023 3024 3025 0.3 2.01 2.75 0.98 0.66 1.43 0.55 0.24 3026 3027 3028 3029 3030 3031 3032 3230 0.62 0.06 0.24 0.09 3231 3232 3233 3234 0.11 0.24 0.34 0.45 0.27 0.58 0.88 0.67 0.37 0.14 0.18 0.23 0.14 0.31 0.49 0.36 0.2 0 0.22 0.01 0.02 0.03 0.02 0.01 0.02 0 0.11 0.14 0.12 0.02 0.01 0.02 0.01 0.01 0.01 0.02 0.03 0.04 0.03 0.02 0 0.02 0.18 0.28 0.2 0.14 0.14 3235 3236 3237 3238 3239 3240 0.01 0.14 0.08 0.01

0.32 0.13 0.17 0.2 0.53 0.23 0 0.05 0.02 0 3241 3242 3243 0.96 0.41 0.01 0.18 0.08 0.1 0.1 0.01 0.01 0.01 0.56 0.24 0 0.02 0 0 0 0.01 0 0 0 0 0.02 0 0 0 0 0 3244 3245 3246 3247 80.0 0.01 0.01 0.39 0.12 0.25 0.05 0.01 0.01 0.35 0.01 0.03 0.01 0.01 0.03 0.09 0.49 0.22 0.61 0.8 0.72 0.61 0.06 0.06 0.06 0.02 0.03 0.03 0.01 0 0 0.01 0 0 0.05 0.45 0.07 0.3 0.42 0.24 0.17 0.29 0.07 0.2 0.24 0 0.01 0 0.01 0.01 0 0.01 0 0.01 0 0 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.22 0.19 0.01 0.01 0.3 0.3B 0.01 0 0 Ð 0 0.01 0.01 0.52 0.95 0.88 0.49 0.33 0.21 0.49 0.33 0.07 0.33 0.07 0.02 1.41 2.34 2.2 1.26 0.84 0.5 1.28 0.83 0.17 0.85 0 0.49 0.52 0.44 1.03 1.13 0.51 0.51 0.52 0.44 1.03 1.13 0.51 0.52 0.54 1.28 0.55 0.85 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.55 0.52 0.55 0.01 0.76 1.26 1.18 0.68 0.27 0.72 0.45 0.09 0.45 0.09 0.28 0.29 0.22 0.55 0.6 0.26 0.26 0.26 0.14 0.4 0 0.01 0.02 0.01 0 0 0 0.01 0.01 0.01 0 0 0 0.51 0.95 0.88 0.02 0.04 0.04 0.02 0.01 0.01 0.02 0.01 0 0.01 0.29 0.54 0.5 0.29 0.2 0.12 0.29 0.19 0.04 0.2 0.2 0.5 0.34 0.21 0.5 0.33 0.07 0.34 0 0 0.13 0.12 0.11 0.24 0.26 0.11 0.07 0.18 147.03 0.22 0.21 0.18 0.41 0.45 0.21 0.21 0.12 0.34 0.21 0.21 0.18 0.41 0.45 0.2 0.12 0.34 366.97 0.01 0.01 0.02 0.02 0.01 0.01 0.01 0.02 76.71 0 0.01 0.01 0 0 0.01 25.58 367.86 919.84 267.94 179.36

Zone 4: To/From North Using North Capitol Street

111 113 184 189 4.9 4.89 0.23 0.29 0.26 0.64 0.65		ZONES	Inbound	Outbound	Inbound	Dutbound	Inbound	Outbound	Inbound (AIVI Dutbound	Inbound C	utbound	Inbound	Dutbound
111 112 126 12 127 126 126 127 128	111	111	1.84	1.83	4.9	4.89	0.32	0.12	0.9	0.36	0.41	0.52	1.07	1.37
110 110 100 100 100 110 110 110 110 110 111 <td>114</td> <td>114</td> <td>1.85</td> <td>1.9</td> <td>4.75</td> <td>4.79</td> <td>0.29</td> <td>0.17</td> <td>0.87</td> <td>0.45</td> <td>0.46</td> <td>0.55</td> <td>1.13</td> <td>1.36</td>	114	114	1.85	1.9	4.75	4.79	0.29	0.17	0.87	0.45	0.46	0.55	1.13	1.36
117 118 <td>116</td> <td>116</td> <td>4.09</td> <td>4.21</td> <td>10.04</td> <td>10.13</td> <td>0.63</td> <td>0.47</td> <td>1.62</td> <td>1.05</td> <td>1.09</td> <td>1.21</td> <td>2.51</td> <td>2.84</td>	116	116	4.09	4.21	10.04	10.13	0.63	0.47	1.62	1.05	1.09	1.21	2.51	2.84
118 118 13 137	117	117	6.53	6.6	10.86	10.78	0.69	0.7	1.25	1.29	1.91	1.92	3.Z	3.12
111 112 113 113 113 114 <td>118</td> <td>118</td> <td>1.3</td> <td>1.57</td> <td>14.43</td> <td>14.68</td> <td>0.19</td> <td>0.24</td> <td>2</td> <td>1.76</td> <td>0.41</td> <td>0.49</td> <td>4.02</td> <td>4.26</td>	118	118	1.3	1.57	14.43	14.68	0.19	0.24	2	1.76	0.41	0.49	4.02	4.26
126 128 <th128< th=""> <th128< th=""> <th128< th=""></th128<></th128<></th128<>	122	122	5.58	5.83	11.7	11.77	0.92	0.6	1.77	1.13	1.6	1.84	2 84	3.7
112 123 44 446 107 107 105 033 117 106 111 112 22 53 121 123 133 144 1447 148 127 140 141 141 142 143 121 123 133 132 136 124 121	124	124	8.35	8.31	16.92	16.9	1.19	0.64	2.64	1.63	2.09	2.37	4.2	4.72
128 128 4.46 4.33 1.47 1.04 1.17 1.64 4.20 121 123 1.34 1.35 1.34 1.22 1.24 1.25 1.35 1.34 1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.36 1.36 1.36 1.36 1.36 1.38 1.34 4.36 5.3 123 1.31 1.31 1.31 1.31 1.31 1.34 4.36 5.3 124 1.24 1.26 1.25 1.26	125	125	4.5	4.54	10.79	10.79	0.65	0.36	1.7	1.01	1.11	1.28	2.65	3
110 120 <td>126</td> <td>126</td> <td>4.46</td> <td>4.39</td> <td>14.67</td> <td>14.81</td> <td>0.63</td> <td>0.35</td> <td>2.17</td> <td>1.49</td> <td>1.04</td> <td>1.17</td> <td>3.62</td> <td>4.02</td>	126	126	4.46	4.39	14.67	14.81	0.63	0.35	2.17	1.49	1.04	1.17	3.62	4.02
120 130 131 131 131 131 132 134 135 134 135 <td>127</td> <td>127</td> <td>3.37 8.79</td> <td>5.45</td> <td>20.69</td> <td>20.72</td> <td>0.45</td> <td>0.28</td> <td>3.96</td> <td>18.0</td> <td>1.85</td> <td>0.93</td> <td>454</td> <td>6.13</td>	127	127	3.37 8.79	5.45	20.69	20.72	0.45	0.28	3.96	18.0	1.85	0.93	454	6.13
111 112 112 124 <th124< th=""> <th124< th=""> <th124< th=""></th124<></th124<></th124<>	129	129	B.45	8.44	20.14	20.19	1.67	0.63	4.08	1.83	1.81	2.62	4.36	6.16
125 125 126 126 0.68 4.65 12 1.64 0.73 4.88 6.12 121 121 121 120 120 120 124 125 1245 125 124	131	131	13.29	13.03	29.04	28.81	2.67	1.46	5.93	3.18	3.24	4.11	6.B7	8.98
14 15 11 15<	225	225	9.35	9.34	22.15	22.15	1.69	0.68	4.05	2	2.01	2.75	4.89	6.42
224 224 123 1125 1125 1126 11	239	239	62	6.29	19.01	18.95	1.05	0.45	2.08	1.62	1.52	1.9	4.38	3.69
244 244 133 135 5568 5568 215 0594 524 524 224 234 039 038 535 234 224 132 1523 1523 1523 1523 1523 1523 1523 1523 1523 1523 1524 135 135	243	243	1.82	1.82	17.59	17.58	0.27	0.14	2.54	1.73	0.42	0.48	4.45	4.86
226 226 125 1252 1224 224 0.00 0.01 0.27 0.2	244	244	13.34	13.35	55.08	55.06	2.15	0.94	9.21	5.42	3.06	3.89	13.23	16.01
140 140 <td>245</td> <td>245</td> <td>12.52</td> <td>12.53</td> <td>29.42</td> <td>29.42</td> <td>2.44</td> <td>0.88</td> <td>5.85</td> <td>2.54</td> <td>2.62</td> <td>3.82</td> <td>6.27</td> <td>8.87</td>	245	245	12.52	12.53	29.42	29.42	2.44	0.88	5.85	2.54	2.62	3.82	6.27	8.87
248 248 249 249 249 249 249 249 249 249 249 249 249 240 245 125 125 027 125 125 026 125 125 125 125 242 246 126 053 236 335 064 005 002 001	240	240	7.28	7.27	14.03	14.03	1.01	0.00	2.11	1.6	1.89	2.14	3.7	4.04
246 246 256 266 <td>248</td> <td>248</td> <td>3</td> <td>2.97</td> <td>6.85</td> <td>6.88</td> <td>0.53</td> <td>0.25</td> <td>1.25</td> <td>0.71</td> <td>0.7</td> <td>0.89</td> <td>1.62</td> <td>1.99</td>	248	248	3	2.97	6.85	6.88	0.53	0.25	1.25	0.71	0.7	0.89	1.62	1.99
256 256 859 888 2411 2415 104 0.0 3.33 104 0.00 </td <td>249</td> <td>249</td> <td>10.76</td> <td>10.74</td> <td>22.6</td> <td>22.56</td> <td>1.63</td> <td>Đ.89</td> <td>3.68</td> <td>2.26</td> <td>2.67</td> <td>3.17</td> <td>5.62</td> <td>6.55</td>	249	249	10.76	10.74	22.6	22.56	1.63	Đ.89	3.68	2.26	2.67	3.17	5.62	6.55
35 35<	250	250	8.92	8.88	24.21	24.15	1.04	0.8	3.43	2.5	2.43	2.54	6.31	6.75
958 015 016 0.03 0.05 0.01 0.03 0.05 0.01 0.03 0.05 0.07 389 388 0.03 0.03 0.05 0.03 0.05 0.05 0.07 389 388 0.04 0.05 0.05 0.04 0.06 0.05 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0 0.02 0.0	394	394	0.05	0.05	0.02	0.12	0.01	0	0.05	0	0	0.02	0.01	0.06
339 39 0.3 0.3 0.6 0.3 0.02 0.03 0.05 0.05 0.05 399 99 0.04 0.05 0.05 0.02 0 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 400 400 0.11 0.04 0.01 0.04 0.05 0.0 0.02 0.01 0.04 401 0.05 0.05 0.05 0.06 0.02 0.01 0.05 402 403 0.05 0.05 0.05 0.06 0.01 0.01 0.05 403 0.05 0.05 0.07 0.05 0.06 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	396	396	0.16	0.16	0.49	0.49	0.05	0.01	0.18	0.03	0.03	0.07	0.08	0.2
398 99 0.03 0.03 0.04 0.05 0.01 0.02 0 0.02 0.01 0.03 400 400 0.11 0.3 0.78 0.74 0.01 0.04 0.05 0.02 0.06 0.02 0.01 0.04 0.03 0.04 0.05 0.03 0.04 0.05 0.04 0.05 0.03 0.04 0.03 0.04 0.03 0.01 0.03 0.02 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	397	397	0.3	0.3	0.8	0.8	0.13	0.01	0.34	0.03	0.03	0.15	0.09	0.37
js. js. <thj.< th=""> <thj.< th=""> <thj.< th=""></thj.<></thj.<></thj.<>	398	398	0.03	0.03	0.06	0.06	0.01	0	0.02	0	0	0.01	0.01	0.03
400 401 638 638 153 154 026 035 046 031 035 035 031 031 402 403 035 056 015 011 001 005 00 022 031 035 402 403 035 056 015 010 007 0 033 028 038 028 028 031 034 034 044 044 046 031 033 028 035 010 013 024 031 034 034 044 044 044 046 033 024 055 011 034 044 044 030 012 031 <td>400</td> <td>400</td> <td>0.04</td> <td>0.04 f0 3</td> <td>0.09</td> <td>0.09</td> <td>0.02</td> <td>0,01</td> <td>0.04</td> <td>0,04</td> <td>0.04</td> <td>0.02</td> <td>0.01</td> <td>0.34</td>	400	400	0.04	0.04 f0 3	0.09	0.09	0.02	0,01	0.04	0,04	0.04	0.02	0.01	0.34
4401 4402 0.03 0.040 0.11 0.02 0 0.05 0	401	401	0.58	0.58	1.53	1.54	0.26	0.03	0.64	0.07	0.06	0.28	0.19	0.71
446 447 542 644 643 015 011 034 034 044 044 044 047 052 053 013 024 024 032 033 044 033 024 033 034 034 033 044 033 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 034 033 035 035 033 044 033 035 035 033 045 033 045 041 041 <td>402</td> <td>402</td> <td>0.03</td> <td>0.04</td> <td>0.11</td> <td>0.11</td> <td>0.02</td> <td>0</td> <td>0.05</td> <td>0</td> <td>0</td> <td>0.02</td> <td>0.01</td> <td>0.05</td>	402	402	0.03	0.04	0.11	0.11	0.02	0	0.05	0	0	0.02	0.01	0.05
466 405 015 015 013 028 0 0 118 0.01 0.02 0.04 0.03 466 407 063 063 141 141 027 003 038 060 040 013 066 053 013 064 033 068 060 013 033 064 033 034 060 012 013 066 055 013 013 014 065 033 034 033 042 033 034 033 033 034 033 033 034 033 033 034 033 033 034 033 034 033 034 033 034 033 034 037 034 037 034 037 035 035 035 041 037 036 033 035 035 035 036 033 035 035 036 033 035 035 036	403	403	0.55	0.56	1.15	1.14	0.25	0.02	0.52	0.06	0.06	0.28	0.13	0.56
406 405 0.03 0.33 0.04 0.08 0.14 0.04 0.04 0.16 0.11 0.28 0.88 0.55 409 400 0.25 0.54 0.52 0.13 0.01 0.24 0.02 0.03 0.08 0.05 0.15 0.05 0.13 0.01 0.02 0.01 0.05 0.05 0.13 0.01 0.02 0.03 0.02 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.01 0.04 0.03 0.04 <th0.03< th=""> <th0.03< th=""> <th0.04< th=""></th0.04<></th0.03<></th0.03<>	405	405	0.16	0.15	0.38	0.38	0.08	Ð	0.18	0.01	0.01	0.08	0.04	0.19
407 407 6.62 0.62 0.14 1.14 1.41 0.27 0.03 0.058 0.07 0.3 0.08 0.057 408 409 0.19 0.22 0.42 0.44 0.99 0.01 0.18 0.01 0.02 0.07 0.3 0.65 0.2 410 411 0.41 0.44 0.93 0.04 0.05 0.03 0.07 0.05 0.06 0.07 0.05 0.06 0.07 0.05 0.06 0.07 0.05 0.05 0.05 0.08 0.07 0.02 0.05 0.06 0.07 0.05	406	406	0.33	0.33	0.84	0.83	0.15	0.01	0.34	0.04	0.04	0.16	0.1	0.38
Hole Hole Los Los <thlos< t<="" td=""><td>407</td><td>407</td><td>0.62</td><td>0.63</td><td>1.41</td><td>1.41</td><td>0.27</td><td>0.03</td><td>0.58</td><td>0.07</td><td>0.07</td><td>0.3</td><td>0.18</td><td>0.65</td></thlos<>	407	407	0.62	0.63	1.41	1.41	0.27	0.03	0.58	0.07	0.07	0.3	0.18	0.65
440 041 <td>408</td> <td>408</td> <td>0.25</td> <td>0.25</td> <td>0.54</td> <td>0.52</td> <td>0.13</td> <td>0.01</td> <td>0.24</td> <td>0.02</td> <td>0.02</td> <td>0.13</td> <td>0.05</td> <td>0.25</td>	408	408	0.25	0.25	0.54	0.52	0.13	0.01	0.24	0.02	0.02	0.13	0.05	0.25
411 411 412 412 412 412 412 412 412 412 412 412 412 412 412 412 412 413 403 055 052 051 004 005 007 008 007 003 007 003 007 003 007 003 007 003 007 003 007 003 003 003 003 003 003 003 003 003 003 003 003 003 003 003 003 004 003 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 004 003 003 004 003 003 003 <td>410</td> <td>410</td> <td>0.41</td> <td>0.41</td> <td>0.94</td> <td>0.93</td> <td>0.18</td> <td>0.02</td> <td>0.37</td> <td>0.06</td> <td>0.05</td> <td>0.2</td> <td>0.13</td> <td>0.42</td>	410	410	0.41	0.41	0.94	0.93	0.18	0.02	0.37	0.06	0.05	0.2	0.13	0.42
412 412 412 413 055 054 0.27 0.52 0.51 0.04 0.05 0.07 0.03 0.07 0.25 0.55 0.15 0.15 414 414 0.03 0.07 1.17 0.01 0 0.71 0.06 0.06 0.05 0.03 0.27 0.15 0.73 415 415 0.73 0.77 1.16 1.08 0.04 0.03 0.06 0.07 0.4 0.04 0.03 0.06 0.07 0.4 0.06 0.07 0.4 0.06 0.07 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.01 0.01 0.01 0.02 0.02 0.04 0.02 0.02 0.04 0.02 0.02 0.04 0.02 0.01 0.01 0.01 0.01 0.01 0.02 0.02 0.02 0.02 0.04 0.02 0.04 0.02 0.02 <td< td=""><td>411</td><td>411</td><td>0.52</td><td>0.53</td><td>1.07</td><td>1.07</td><td>0.15</td><td>0.05</td><td>0.3</td><td>0.13</td><td>0.11</td><td>0.21</td><td>0.23</td><td>0.4</td></td<>	411	411	0.52	0.53	1.07	1.07	0.15	0.05	0.3	0.13	0.11	0.21	0.23	0.4
413 413 0.55 0.54 2.97 2.9 0.03 0.04 0.79 0.24 0.07 0.02 0.07 0.06 0.06 0.02 0.01 0.07 415 415 0.73 0.73 1.48 1.49 0.37 0.02 0.67 0.06 0.06 0.39 0.15 0.73 416 415 0.75 0.77 1.6 1.56 0.38 0.04 0.73 0.06 0.07 0.4 0.16 0.78 418 418 0.39 0.39 0.82 0.22 0.18 0.01 0.07 0.06 0.04 0.02 0.03 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.03 0.01 <	412	412	0.27	0.27	0.52	0.51	0.04	0.03	0.07	80.0	0.09	0.09	0.16	0.16
445 445 0.73 0.73 1.49 0.37 0.02 0.67 0.06 0.03 0.15 0.73 416 416 0.5 0.5 1.08 1.08 0.27 0.15 0.73 0.66 0.05 <td>413</td> <td>413</td> <td>0.55</td> <td>0.54</td> <td>2.97</td> <td>2.9</td> <td>0.23</td> <td>0.04</td> <td>0.79</td> <td>0.34</td> <td>0.07</td> <td>0.25</td> <td>0.69</td> <td>0.75</td>	413	413	0.55	0.54	2.97	2.9	0.23	0.04	0.79	0.34	0.07	0.25	0.69	0.75
416 416 0.5 0.5 1.08 1.08 0.26 0.01 0.51 0.03 0.027 0.01 0.57 418 418 0.33 0.37 1.01 1.01 0.19 0.01 0.37 0.06 0.04 0.02 0.09 0.51 419 419 0.33 0.34 0.82 0.82 0.82 0.01 0.37 0.05 0.03 0.02 0.01 0.03 0.04 0.01 0.04 420 420 0.04 0.01 0.01 0.01 0.02 0.03 0.04 0.04 0.01 0.02 421 421 0.04 0.01 0.01 0.02 0.03 0.04 0.04 0.02 0.03 0.04 0.04 0.02 422 423 0.32 0.31 0.05 0.12 0.13 0.01 0.01 0.02 0.14 0.18 0.01 0.01 0.02 0.11 0.18 424	415	415	0.73	0.73	1.49	1.49	0.37	0.02	0.67	0.06	0.06	0.39	0.15	0.73
417 417 0.79 0.77 1.6 1.56 0.28 0.44 0.73 0.66 0.67 0.4 0.16 0.73 418 418 0.39 0.39 0.82 0.22 0.18 0.01 0.37 0.66 0.64 0.21 0.09 0.51 419 419 0.39 0.39 0.82 0.22 0.18 0.01 0.37 0.66 0.64 0.21 0.09 0.44 420 420 0.40 0.41 0.11 0 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.01 0.02 0.01 <th< td=""><td>416</td><td>416</td><td>0.5</td><td>0.5</td><td>1.08</td><td>1.08</td><td>0.26</td><td>0.01</td><td>0.51</td><td>0.05</td><td>0.03</td><td>0.27</td><td>0.1</td><td>0.54</td></th<>	416	416	0.5	0.5	1.08	1.08	0.26	0.01	0.51	0.05	0.03	0.27	0.1	0.54
118 418 0.33 0.33 0.33 0.32 0.12 0.13 0.01 0.77 0.03 0.04 0.21 0.09 0.34 419 419 0.33 0.33 0.32 0.02 0.01 0.07 0.03 0.04 0.01 0.01 0.01 0.01 0.01 0.02 0.01 0.04 0.02 0.01 0.04 0.02 0.01 0.04 0.01 </td <td>417</td> <td>417</td> <td>0.79</td> <td>0.77</td> <td>16</td> <td>1.56</td> <td>0.3B</td> <td>0.04</td> <td>0.73</td> <td>0.06</td> <td>0.07</td> <td>0.4</td> <td>0.16</td> <td>0.78</td>	417	417	0.79	0.77	16	1.56	0.3B	0.04	0.73	0.06	0.07	0.4	0.16	0.78
440 420 0.39 0.4 1.23 1.22 0.19 0.01 0.57 0.05 0.03 0.22 0.12 0.02 421 421 0.04 0.17 0.22 0.26 0.01 0.01 0.06 0.02 0.03 0.44 0.06 0.06 0.11 0.01 422 442 0.15 0.14 0.02 0.03 0.04 0.06 0.01 0.06 0.01 0.06 0.01 0.02 0.01 424 442 0.15 0.14 0.26 0.07 0 0.14 0.01 0.02 0.01 0.01 0.02 0.01 0.01 0.05 0.01 0.01 0.05 0.03 0.01 0.07 0.05 0.05 0.05 0.04 0.01 0.05 0.05 0.05 0.04 0.01 0.05 0.03 0.07 0.01 0.05 0.04 0.01 0.05 0.03 0.07 0.01 0.01 0.01 </td <td>415</td> <td>418</td> <td>0.39</td> <td>0.37</td> <td>0.82</td> <td>0.82</td> <td>0.19</td> <td>0.01</td> <td>0.47</td> <td>0.04</td> <td>0.04</td> <td>0.2</td> <td>0.09</td> <td>0.51</td>	415	418	0.39	0.37	0.82	0.82	0.19	0.01	0.47	0.04	0.04	0.2	0.09	0.51
421 421 0.04 0.04 0.1 0.1 0 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.03 0.04 0.03 0.01 </td <td>420</td> <td>420</td> <td>0.39</td> <td>0.4</td> <td>1.23</td> <td>1.22</td> <td>0.19</td> <td>0.01</td> <td>0.57</td> <td>0.05</td> <td>0.03</td> <td>0.22</td> <td>0.12</td> <td>0.62</td>	420	420	0.39	0.4	1.23	1.22	0.19	0.01	0.57	0.05	0.03	0.22	0.12	0.62
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	421	421	0.04	0.04	0.1	0.11	0	0.01	0.01	0.01	0.02	0.01	0.04	0.03
12. 12. <td>422</td> <td>422</td> <td>0.16</td> <td>0.17</td> <td>0.28</td> <td>0.26</td> <td>0.01</td> <td>0.02</td> <td>0.03</td> <td>0.04</td> <td>0.06</td> <td>0.06</td> <td>0.1</td> <td>0.08</td>	422	422	0.16	0.17	0.28	0.26	0.01	0.02	0.03	0.04	0.06	0.06	0.1	0.08
442544250.0320.0320.0660.0460.040.00.0320.0010.0110.0660.15442644270.330.0331.061.040.120.030.050.0150.0150.0170.04742844270.430.031.061.060.120.050.020.050.0150.170.4742844290.630.631.1551.560.220.550.020.050.040.190.084300.840.681.821.810.40.460.410.010.050.440.190.834314.311.351.353.153.130.630.010.060.010.030.010.010.010.014324420.030.050.040.060.010.060.030.010.010.010.014334330.050.050.070.010.040.030.020.000.010.010.024354350.010.050.040.030.070.000.010.010.020.020.020.020.024364360.050.050.040.030.070.000.010.010.020.020.020.020.020.020.020.020.020.020.020.020.020.020.030.020.060.030.01<	424	42.5	0.15	0.14	0.26	0.26	0.07	0.05	0.13	0.01	0.01	0.08	0.02	0.14
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	425	425	0.32	0.32	0.66	0.66	0.16	0.01	0.32	0.01	0.02	0.17	0.06	0.34
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	426	426	0.03	0.03	0.44	0.44	0	0	0.15	0.03	0.01	0.01	0.07	0.19
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	427	427	0.33	0.55	1.05	1.04	0.12	0.03	0.39	0.07	0.05	0.15	0.17	0.47
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	429	42.9	0.63	0.63	1.55	1.56	0.32	0.01	0.74	0.05	0.05	0.34	0.14	0.79
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	430	430	0.84	0.85	1.82	1.81	0.4	0.04	0.81	0.08	0.09	0.44	0.19	0.89
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	431	431	1.35	1.35	3.16	3.13	0.63	0.05	1.43	0.11	0.13	0.68	0.33	1.54
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	432	432	0.01	0.01	0.06	0.06 0.14	0.01	0	0.03	0	0	0.01	0.01	0.03
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	434	434	0.03	0.03	0.07	0.07	0.01	Ð	0.04	Ð	Ð	0.01	0.01	0.04
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	435	435	0.01	0.01	0.04	0.04	0.01	Ð	0.02	0	0	0.01	0	0.02
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	436	436	0.06	0.05	0.41	0.4	0.03	0	0.2	0.01	0	0.03	0.03	0.21
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	437	437	0.14	0.14	0.36	0.35	0.07	0	0.17	0.01	0.01	0.07	0.03	0.18
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	439	439	0.12	0.11	0.32	0.32	0.06	Ð	0.15	0.01	0.01	0.06	0.03	0.16
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	440	440	1.24	1.23	3.37	3.37	0.58	0.05	1.52	0.12	0.12	0.63	0.35	1.65
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	441	441	0.06	0.06	0.16	0.16	0.03	0	0.07	0.01	0	0.03	0.02	0.08
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	442	442	0.2	0.2	0.47	0.47	0.11	0	0.24	0.01	0.01	0.11	0.03	0.25
445 445 0.13 0.13 0.35 0.05 0.06 0 16 0.01 0.07 0.03 0.17 446 446 0 0 0.48 0.06 0 0.04 0.01 0.01 0.07 0.03 0.17 446 447 0.03 0.03 0.11 0.01 0.05 0 0.01 0.01 0.06 0.04 0.02 447 447 0.03 0.03 0.68 0.61 0.03 0.05 0 0.01 0.01 0.06 0.01	444	444	0.3	0.29	0.67	0.67	0.13	0.01	0.29	0.04	0.04	0.15	0.09	0.32
446 446 0 0 0.48 0.48 0 0 0.44 0.01 0 0 0.46 0.23 447 447 447 0.03 0.03 0.011 0.01 0 0.05 0 0.01 0.01 0.06 0 0.01 0.01 0.06 0 0.01 0.08 0.04 448 449 0.2 0.22 2.39 2.34 0.01 0 0.31 0.02 0.01 0.01 0.04 0.23 445 449 0.2 0.22 2.39 0.24 0.01 0.01 0.01 0.04 0.28 0.01 0.01 0.04 0.02 0.24 0.02 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.02 0.04 0.02 0.24 0.02 <td>445</td> <td>445</td> <td>0.13</td> <td>0.13</td> <td>0.35</td> <td>0.35</td> <td>0.06</td> <td>0</td> <td>0.16</td> <td>0.01</td> <td>0.01</td> <td>0.07</td> <td>0.03</td> <td>0.17</td>	445	445	0.13	0.13	0.35	0.35	0.06	0	0.16	0.01	0.01	0.07	0.03	0.17
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	446	446	0	0	0.48	0.48	0	0	0.24	0.01	0	0	0.04	0.25
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	447	447	0.03	0.03	0.11	0.11 0.68	0.01	0	0.05	0.02	0.07	0.01	0.01	0.06
450 450 0.08 0.08 0.57 0.57 0.04 0 0.28 0.01 0 0.05 0.03 451 451 0.1 0.1 0.5 0.52 0.03 0.01 0.2 0.04 0.02 0.04 0.07 0.04 0.02 0.04 0.07 0.04 0.02 0.04 0.07 0.04 0.02 0.04 0.07 0.04 0.02 0.04 0.07 0.04 0.02 0.04 0.07 0.02 0.04 0.07 0.04 0.02 0.04 0.07 0.04 0.02 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.01 0.03 0.03 0.03 0.03 0.04 0.01 0.06 0.04 0.01 0.07 0 0.04 0.01 0.07 0 0.04 0.01 0.07 0 0.04 0.01 0.07 0 </td <td>449</td> <td>449</td> <td>0.2</td> <td>0.2</td> <td>2.39</td> <td>2.34</td> <td>0.11</td> <td>õ</td> <td>0.78</td> <td>0.21</td> <td>0.01</td> <td>0.11</td> <td>0.48</td> <td>1.01</td>	449	449	0.2	0.2	2.39	2.34	0.11	õ	0.78	0.21	0.01	0.11	0.48	1.01
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Zone 5: To/From North Using Missouri Ave
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I	TONICS	2015	Daily	2040	Daily	201	5 AM	204	0 AM	201	5 PM	204	D PM
	ZUNES	Inbound	Outbound										
17	107	3.68	3.71	11.66	11.66	0.65	0.27	2.21	0.84	0.82	1.08	2.54	3.34
B	108	7.65	7.61	20.45	20.42	1.34	0.55	3.77	1.57	1.75	2.24	4.58	5.93
19	109	1.18	1.17	3.32	3.35	0.23	0.09	0.66	0.25	Ð.26	0.35	0.71	0.98
Ð	110	Ð	0	Ð	Ð	Ð	0	Ð	0	0	0	Ð	£
1	111	1.84	1.83	4.9	4.89	0.32	0.12	0.9	0.36	0.41	0.52	1.07	1.37
2	112	0.66	0.64	1.73	1.73	0.12	0.04	0.33	0.14	0.15	0.18	0.37	0.45
3	113	1.42	1.42	3.37	3.37	0.26	0.1	0.65	0.25	0.31	0.4	0.73	0.94
4	114	1.85	1.9	4.76	4.79	0.29	Đ.17	0.87	0.46	Ð.46	0.55	1.13	1.36
7	117	6.53	6.6	10.86	10.78	0.69	0.7	1.25	1.29	1.91	1.92	3.2	3.12
8	118	1.3	1.57	14.43	14.68	0.19	0.24	2	1.76	0.41	0.49	4.02	4.26
9	119	1.05	1.05	3.27	3.28	0.2	0.06	0.62	0.24	0.23	0.3	0.7	0.93
0	120	5.39	5.39	15.85	15.99	0.76	0.43	2.39	1.51	1.28	1.46	3.73	4.23
1	121	5.92	5.88	19.24	19.2	0.78	0.5	2.73	1.96	1.5	1.62	4.91	5.25
2	122	6.68	6.83	21.14	21.22	0.92	0.6	3.02	2.2	1.6	1.84	5.26	5.71
5	125	4.5	4.54	10.79	10.79	0.65	0.36	1.7	1.01	1.11	1.28	2.65	3
6	136	1.66	1.64	4.07	4.05	0.27	0.14	0.71	0.33	0.4	0.47	0.92	1.13
7	137	0	0	0	Ð	0	0	Ð	0	0	0	0	{
9	138	2.58	2.59	6.57	6.6	0.45	0.21	1.22	0.52	0.6	0.76	1.49	1.93
3	623	5.68	5.56	19.53	19.97	0.97	0.52	4.01	2.54	1.49	1.83	5.1	6.65
4	624	B.4B	8.44	23.B1	23.29	1.25	0.92	3.76	3.16	2.34	2.65	6.79	7.22
5	625	10.46	10.62	25.25	24.98	2.07	1.04	5.34	3.13	2.5	3.5	6.31	8.26
6	62.6	5.19	5.06	11.03	10.89	1.36	0.4	2.88	1.04	1	1.85	2.19	3.83
7	62.7	0.65	0.65	15	1.53	0.19	0.05	0.42	0.12	Ð.12	0.25	0.28	0.54
8	62.8	3.01	2.96	7.73	7.64	0.71	0.24	1.76	0.8	0.66	1.05	1.69	2.5
0	630	2.17	2.17	5.65	5.57	0.39	0.22	1.03	0.81	0.56	0.73	1.44	1.65
1	631	1.75	1.72	4	4.03	0.44	0.12	1	0.33	0.35	0.62	Đ.B	1.4
2	632	1.99	1.99	5.9	5.92	0.56	0.14	1.51	0.46	0.36	0.74	1.17	2.02
3	633	2.69	2.71	7.76	7.74	0.66	0.21	1.7	0.72	Ð.56	0.97	1.76	2.61
4	634	6.05	6.04	16.37	16.32	1.76	0.37	5.04	1.02	1.06	2.27	2.74	6.23
1		102.01	102.29	284.94	284.68	18.48	8.81	53.48	28.82	24.2	31.92	68.28	86.96

Zone 6: To/From Northwest Using Park Pl

	ZONES	2015	Daily	2040 1	Daily	2015/	AM	2040	AM	2015	PM	2040	PM	
0.0	0.0	Inbound	Outbound	Inbound	Outbound	Inbound C	Dutbound	Inbound (Dutbound	Inbound (Dutbound	Inbound	Outbound	
97	97	4.26	4.11	9.27	9.08	0.05	0.43	1.22	1.07	1.26	1.22	2.64	2.65	
98	98	5.76	5.84	13.BB	13.92	0.78	0.57	2.15	1.4	1.56	1.73	3.58	4.03	
103	103	1.5	1.53	4.66	4.68	0.28	0.11	0.88	0.37	0.33	0.45	1.02	1.34	
104	104	3.88	3.93	7.87	7.91	0.56	0.37	1.29	0.79	1.01	1.16	1.98	2.31	
105	105	3.98	4.04	10.99	11.02	0.63	0.34	1.88	0.98	0.96	1.16	2.56	3.1	
105	105	3.68	3.71	11.66	15.24	0.93	0.35	2.94	0.84	1.11	1.47	3.28	4.39	
108	108	7.65	7.61	20.45	20.42	1.34	0.55	3.77	1.57	1.75	2.24	4.58	5.91	
109	109	1.18	1.17	3.32	3.35	0.23	0.09	0.66	0.25	0.26	0.35	0.71	0.98	
110	110	0	0	0	Ð	0	0	Ð	0	Ð	0	Ð	Ð	
119	119	1.05	1.05	3.27	3.28	0.2	0.06	0.62	0.24	0.23	0.3	0.7	0.93	
120	120	5.39	5.39	15.85	15.99	0.76	0.43	2.39	1.51	1.28	1.46	3.73	4.23	
121	121	5.92	5.00	21.14	21 72	0.76	0.5	3.02	2.90	1.5	1.02	5.26	5.71	
126	126	4.46	4.39	14.67	14.81	0.63	0.35	2.17	1.49	1.04	1.17	3.62	4.02	
127	127	3.37	3.43	8.21	8.22	0.45	0.28	1.22	0.81	0.83	0.93	2	2.2	
128	128	8.29	8.28	20.69	20.72	1.54	0.58	3.96	1.8	1.8	2.49	4.54	6.13	
129	129	8.45	8.44	20.14	20.19	1.67	0.63	4.08	1.83	1.81	2.62	4.36	6.16	
130	130	4.41	4.41	10.93	10.95	0.86	0.55	2.15	1.05	0.96	1.37	2.48	3.3/	
132	131	6.42	6.29	14.89	14.75	1.1	0.64	2.66	1.7	1.61	1.94	3.75	4 48	
133	133	4.16	4.08	11.17	11.13	0.66	0.33	1.86	1	0.97	1.13	2.63	3.09	
134	134	4.63	4.5	11.81	11.64	1.03	0.41	2.52	1.19	0.94	1.39	2.54	3.48	
136	136	1.66	1.64	4.07	4.05	0.27	Ð.14	0.71	0.33	0.4	0.47	0.92	1.13	
137	137	0	0	0	0	0	0	0	0	0	0	0	Ð	
139	139	0.09	0.09	18.8	0.08	0.01	0.01	2.55	0.01	2.05	0.03	0.03	0.02	
159	150	7.32	7.28	17.33	17.26	1.05	0.51	3.97	1.55	1.43	2.44	3.53	5.68	
160	160	3.87	3.78	8.08	8	0.83	0.31	1.82	0.77	0.81	1.24	1.69	2.64	
161	161	9.89	9.52	22.65	22.29	2	0.88	4.62	2.4	2.22	3.05	5.25	7.12	
162	162	4.59	4.51	12.51	12.42	0.82	0.42	2.2	1.37	1.08	1.3B	3.07	3.79	
163	163	6.82	6.85	17.33	17.36	1.42	0.48	3.74	1.66	1.37	2.13	3.63	5.24	
165	165	4.02	4.07	12.16	12.55	0.94	0.55	2.0	1.41	0.65	1.33	2.75	2.00	
166	165	6.65	6.65	20.35	20.38	1.54	0.58	4.16	2.42	1.45	2.24	4.81	6.32	
167	167	4.96	4.92	15.62	15.46	1.2	0.41	3.4	1.73	1.02	1.65	3.41	4.81	
224	224	112.51	112.51	506.39	506.39	12.43	12.43	66.47	66.47	34.66	34.66	148.09	148.09	
245	245	12.52	12.53	29.42	29.42	2.44	0.88	5.85	2.54	2.62	3.82	6.27	8.87	
631	631	1.75	1.72	4	4.03	0.44	0.12	1 51	0.33	0.35	0.62	0.8	1.4	
633	633	2.69	2 71	7.76	7.74	0.56	0.14	1.51	0.40	0.56	0.74	1.17	2.00	
634	634	6.05	6.04	16.37	16.32	1.76	0.37	5.04	1.02	1.06	2.27	2.74	6.23	
635	635	2.02	2.02	5.71	5.71	0.53	0.14	1.5	0.41	0.39	0.73	1.08	z	
636	636	2.71	2.71	7.42	7.4	8.0	0.17	2.06	0.53	0.47	1.02	1.35	2.66	
637	637	6.67	6.75	17.09	17.01	1.12	0.82	3.04	2.46	1.79	2.14	4.75	5.42	
638	638	2.71	2.69	76.24	75.4	0.74	0.17	2.32	0.58	0.49	0.98	1.43	2.96	
640	640	0.68	0.68	2.04	2.04	0.21	0.04	0.59	0.13	0.11	0.26	0.35	0.75	
641	641	2.34	2.32	7.64	7.6	0.46	0.23	1.75	0.B2	0.56	0.77	1.7	2.55	
642	642	6.26	6.25	18.04	18.12	1.55	0.5	4.77	1.64	1.28	2.2	3.55	6.33	
643	643	2.25	2.28	6.62	6.61	0.68	0.14	1.97	0.41	0.37	0.86	1.12	2.43	
644	644	1.84	1.84	5.26	5.26	0.52	0.11	1.49	0.35	0.33	0.68	0.94	1.91	
645	645 646	3.09	3.07	9.23	9.23	0.93	0.19	2.66	1 19	0.51	1.15	1.5	3.35	
647	647	2.94	2.97	8.87	8.9	0.9	0.19	2.63	0.58	0.48	1.13	1.52	3.29	
654	654	0.87	0.87	2.66	2.65	0.29	0.06	0.84	0.2	0.15	0.36	0.46	1.02	
655	655	1.26	1.26	3.27	3.3	0.42	0.08	1.03	0.24	0.2	0.52	0.54	1.27	
656	656	1.27	1.24	4.12	4.13	0.4	0.09	1.22	0.32	0.23	0.49	0.75	1.52	
657	657	2.48	2.52	7.84	7.83	0.74	0.18	2.29	0.63	0.44	0.96	1.44	2.87	
659	659	2.23	2 23	6 3 3	5.2	0.55	0.06	1.75	0.24	0.18	0.4	1.18	2 74	
660	660	3.27	3.3	9.88	9.87	0.97	0.23	2.81	0.77	0.57	1.25	1.81	3.57	
661	661	1.75	1.75	5.69	5.69	0.51	0.11	1.65	0.44	0.3	0.66	1.01	2.07	
662	662	8.32	8.44	21.61	21.51	1.44	11	3.92	3.14	2.37	2.77	6.13	6.94	
663	663	4.05	4.09	13.24	13.13	0.93	0.44	3.07	1.6	0.96	1.46	3.12	4.53	
664	664	4.79	4.8	9.76	9.89	0.57	0.62	1.2	1.45	1.54	1.52	3.12	3.06	
666	665	3.02	3.05	8 4 3	20.20	1.09	0.51	2.74	0.54	0.72	1 21	1.45	3.05	
667	667	3.02	3.04	7.66	7.67	0.92	0.24	2.2	0.69	0.54	1.19	1.45	2.84	
668	668	0.56	0.57	1.82	1.83	0.17	0.03	0.54	0.13	0.09	0.22	0.32	0.68	
669	669	3.45	3.5	6.44	6.54	0.41	0.46	0.8	1.02	1.1	1.1	2.0B	z	
670	670	2.2	2.19	6.33	6.4	0.63	0.17	1.65	0.57	0.41	0.84	1.25	2.26	
671	671	0.86	0.85	2.5	2.53	0.29	0.04	0.78	0.18	0.13	0.36	0.4	0.95	
679 680	679 620	2.47	2.51	6.1 3.77	5.11	0.64	0.22	1.54	0.63	0.52	0.92	1.32	2.14	
682	682	1.71	1.68	5.06	5.05	0.30	0.15	1.35	0.3	0.34	0.63	1.03	1.8	
actor (41B.26	417.61	1314.01	1313.33	75.5	38.55	235.81	145.36	102.91	133.31	329.25	403.25	

Zone 7: To/From West Using Irving 5t/Harvard St

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ZON	ES	2015 Da Inbound Oi	tbound	Inbound Ou	itbound	Inbound O	utbound	Inbound Ou	tbound	Inbound Ou	tbound	Inbound O	utbound
	1	2.64	2.72	5.89	6.06	0.27	0.37	0.7	1.13	0.87	0.83	1.98	1.74
	2	0.08	0.08	0.14	0.13	0.01	0.01	0.02	0.02	0.03	0.03	0.05	0.04
	7	0.01	0.01	0.04	0.04	0	0	0	0	0	0	0.01	0.0
	8	0	0	0	Ð	0	0	0	0	Ð	0	0	
	9	0.2	0.18	0.45	0.45	0.02	0.03	0.05	0.07	0.06	0.05	0.15	0.1
	28	1.9	1.75	8.8	8.09	0.24	0.34	1.33	1.83	0.59	0.45	2.92	2.15
	29	2.17	2.12	5.56	5.36	0.33	0.38	0.87	1.12	0.68	0.62	1.82	1.5
	30	1.32	1.38	4.93	4.71	0.13	0.21	0.71	0.96	0.38	0.35	1.58	1.2
	37	0.51	0.52	1.01	1.5	0.07	0.05	0.22	0.55	0.16	0.06	0.55	0.4
	33	0.92	0.87	3.13	3.31	0.09	0.16	0.39	0.74	0.3	0.23	1.06	0.8
	34	0.47	0.47	1.32	1.26	0.05	0.07	0.16	0.27	0.15	0.13	0.44	0.3
	35	1.41	1.54	4.75	4.97	0.13	0.25	0.57	1.04	0.42	0.4	1.52	1.25
	36	1.1B	1.27	5.98	5.73	0.12	0.24	0.82	1.29	0.37	0.31	2	1.5
	37	2.29	3.12	8.69	10.12	0.31	0.58	1.27	2.22	0.7	0.88	2.89	2.8
	38	2.07	2.07	10.46	10.81	0.3	0.43	1.56	2.48	0.65	0.54	3.53	2.9
	39	1.36	1.47	7.62	8.05	0.16	0.29	1.16	1.79	0.41	0.37	2.51	2.
	40	0.87	4.15	2 2 2 2	6.55	0.45	0.45	0.55	2.33	0.00	1.33	0.91	1.0
	47	0.61	0.6	2 67	2.5	0.11	0.07	0.43	0.43	0.14	0.16	0.74	0.6
	43	0.68	0.76	4.21	4.41	0.1	0.16	0.65	0.98	0.22	0.2	1.39	1.2
	44	0.56	0.75	5.09	4.91	0.06	0.14	0.81	1.06	0.16	0.18	1.62	1.3
	45	0.76	0.79	2.06	1.97	0.13	Ð.13	0.34	0.38	0.22	0.23	0.61	0.5
	46	0.54	0.54	1.51	1.54	0.07	0.08	0.23	0.3	0.16	0.16	0.47	0.4
	47	9.75	1.81	12.8	4.67	1.77	0.25	2.27	0.8	3.14	0.55	4.01	1.
	48	1.96	1.95	4.46	4.46	0.3	0.21	0.74	0.54	0.54	0.59	1.14	1.2
	49	1.55	1.02	4.99	3.6	0.25	0.21	0.65	0.94	0.42	0.47	1.45	1.4
	51	2.73	2.72	8.35	8.36	0.46	0.24	1.5	0.8	0.65	0.76	1.92	2.3
	52	0.93	0.99	2.35	2.39	0.12	0.11	0.4	0.36	0.27	0.3	0.68	0.7
	53	1.09	1.09	1.92	1.93	0.17	0.16	0.31	0.33	0.33	0.33	0.57	0.5
	54	1.49	1.56	4.3	4.43	0.2	Ð. 22	0.63	0.76	0.42	0.43	1.23	1.1
	55	1.11	1.13	6.16	5.8	0.15	0.2	0.92	1.26	0.33	0.29	1.97	1.5
	56	3.91	4.47	9.28	9.56	0.62	0.82	1.4	1.96	1.24	1.36	3	2.7
	57	1.32	1.32	2.85	2.85	0.19	0.21	0.39	0.5	0.4	0.39	0.83	0.7
	59	1 11	1.90	2.38	2.5/	0.09	0.15	0.25	0.40	0.5	0.20	0.74	0.5
	60	1.05	1.09	2.62	2.6	0.12	Ð 13	0.38	0.42	0.31	0.32	0.77	0.7
	61	0	Ð	0	Ð	0	Ð	0	0	0	Ð	0	200
	62	2.38	2.58	5.31	5.41	0.27	0.34	0.75	0.95	0.75	0.78	1.66	1.5
	63	2.02	2.1	4.53	4.49	0.25	0.25	0.71	0.73	0.62	0.65	1.37	1.3
	64	1.6	1.63	3.68	3.68	0.19	0.16	0.45	0.47	0.43	0.46	0.97	0.9
	65	1.12	1.14	2.51	2.51	0.14	0.15	0.37	0.58	0.54	0.35	0.76	0.7
	67	1.65	1.55	4 31	4 31	0.72	0.65	0.69	0.44	0.39	0.46	1.02	1.1
	68	4.26	4.22	9.74	9.74	0.53	0.4	1.39	1	1.17	1.23	2.54	2.7
	69	2.23	2.3	5.75	5.79	0.33	0.2	0.95	0.57	0.58	0.68	1.4	1.6
	70	2.27	2.32	5.99	5.96	0.33	0.23	0.95	0.64	0.61	0.7	1.52	1.6
	71	0.83	0.66	1.34	1.19	0.12	0.08	0.2	0.16	0.26	0.2	0.4	0.3
	72	2.65	4.96	5.58	7.85	0.43	0.73	0.95	1.08	0.74	1.56	1.45	2.3
	75	5.07	9.00	3.94	3.92	1.19	0.20	2.12	1.99	0.85	1.52	1.56	1.7
	75	4 75	4 78	10.35	10.36	0.57	0.75	1 38	1.00	1 39	1.45	2 91	3.0
	76	5.0B	5.08	13.75	13.74	0.8	0.4	2.33	1.3	1.17	1.43	3.15	3.8
	77	2.43	Z.44	5.93	5.93	0.35	0.24	0.9	0.64	0.6	0.67	1.44	1.6
	78	2.43	2.45	6.41	6.44	0.34	0.22	0.99	0.69	0.6	0.69	1.56	1.7
	79	1.38	1.36	2.51	2.47	0.17	Ð.14	0.33	0.27	0.41	0.42	0.72	0.7
	80	3.15	3.15	8.3	8.31	0.49	0.26	1.44	0.71	0.79	0.93	1.95	2.3
	87	6.07	6.07	14.55	16.72	0.79	0.05	1.94	2.05	1.77	1.65	4 9.4	4.U. 1 9
	83	1.14	1.14	2.72	2.77	0.15	0.11	0.41	0.29	0.31	0.34	0.71	0.7
	84	3.18	3.25	10.74	10.83	0.48	0.28	1.72	1.07	0.78	0.94	2.61	3.0
	85	1.09	1.06	2.88	2.85	0.19	0.09	0.52	0.24	0.27	0.32	0.68	0.8
	86	1.59	1.59	4.71	4.71	0.3	0.1	0.94	0.37	0.33	0.47	1	1.3
	87	1.56	1.56	3.7	3.74	0.19	0.16	0.49	0.42	0.44	0.46	0.99	1.0
	88	2.21	2.21	4.57	4.55	0.24	0.22	0.55	0.52	0.65	0.66	1.31	1.3
	90	2.17	2.19	11.1	/.15	0.50	0.10	0.07	0.01	0.48	0.05	1.0	1.9
	91	4.15	4.15	10.34	10.32	0.71	0.3	1.96	0.84	0.96	1.23	2.31	3.0
	92	2.52	2.52	5.12	5.11	0.27	0.3	0.55	0.7	0.78	0.76	1.62	1.5
	93	9.58	9.58	17.16	17.17	1.64	1.42	2.96	2.31	2.91	3.06	4.9	5.3
	94	10.83	10.BZ	18.82	1B.75	1.72	1.66	2.82	2. BZ	3.35	3.41	5.6	5.6
	95	3.02	3.02	7.93	7.93	0.5	Ð.23	1.39	0.66	0.69	0.86	1.78	2.2
	96	3.9	3.78	9.81	9.65	0.68	0.3	1.85	0.81	0.92	1.11	2.22	2.
	97	4.26	4.11	9.27	9.08	0.5 0.70	0.43 n c *	1.22	1.07	1 26	1.22	2.64	2.6
	90	2.83	2.04	13.00	6.87	0.78	0.57	0.96	1.4 0.75	0.84	1.73 (1.87	1 95	7.0
	100	3.59	3.53	8.07	B.01	0.55	0.28	1.39	0.71	0.88	1.02	1.91	2.28
	101	2.22	2.25	6.14	6.15	0.25	Ð.24	0.86	0.7	0.65	0.67	1.68	1.78
2	102	3.88	3.92	8.96	9.02	0.61	0.34	1.51	0.87	0.93	1.12	2.11	2.5
	103	1.5	1.53	4.66	4.68	0.28	0.11	0.88	0.37	0.33	0.45	1.02	1.3
1 8	104	3.88	3.93	7.87	7.91	0.56	0.37	1.29	0.79	1.01	1.16	1.98	2.3
	105	3.98	4.04	10.99	11.02	0.63	0.34	1.88	0.98	0.96	1.16	2.56	3.:
1	106	5.03	5.02	15.17	15.24	0.93	0.35	2.94	1.09	1.11	1.47	3.2B	4.35
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r 8	134	4.53	4.08	11.17	11 64	1.00	0.55 0.41	2 57	110	0.97	1.13	2.05	3.0 3.45
	ALC: 1				0.03	0.61	0.71	1.50	0.76	0.70	0.05	2.01	3.40
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0.04 2193 Z193 0 0.04 0 0.02 Ð 0.02 2194 2195 2196 2197 2198 2194 2195 2195 2196 2197 0.01 0.01 0.02 0.01 0 016 0.05 0.05 0.05 0.05 0.05 0.07 0.04 0.03 0.05 0.05 0.05 0.05 0.05 0.05 0.02 0.06 0.02 0.06 0.02 0.05 0.02 0.29 0.08 0.07 0.04 0.22 0.08 0.28 0.28 0.24 0.16 0.0 Ð 0.01 0.02 0.03 0.29 0.08 0.08 0.06 0.01 0.02 0 0.05 0.1 0.06 0.16 0.01 0 0 0 0.01 0 0 0 0 0 0.01 0.02 0 0.02 0.03 0.05 0.04 2198 0.04 0.02 2199 0.08 0.08 0.22 0.05 0.12 0.08 0.27 0.24 2200 2201 2202 0.05 0.15 0.01 0.04 0.01 0.04 0.02 0.01 0.03 0.02 0.03 0.05 0.01 0.05 0.01 0.05 0.01 0.03 0.05 0 0.03 0.01 0.01 0.02 0.02 0.03 0.01 0.03 0.01 0.01 0.01 0.04 0.04 0 0 0 0 0 0 0 0.03 0.01 0.01 0.02 0.02 0.01 0.02 0.03 0.01 0.03 0.01 0.01 0.01 0.04 0.04 0.13 0.02 0.17 0 0.23 0.14 0.07 0.1 0.16 0.09 0.07 0.24 0.09 0.21 0.36 0.36 0 0.09 2203 2204 2205 2206 2207 2208 2209 2209 2210 0 0.13 0.01 0.04 0.07 0.03 Ð 0.02 0.04 0.05 0.09 0.05 Ð 0 0 0 0.03 0.05 0.01 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 0.01 0.04 0.05 0.01 0.03 0.13 0.05 0.11 0.01 0 Ð 0 0.06 0.19 0.01 Ð Ð 0 0 Ð 0.01 0.15 0.15 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.12 0.04 0.15 0.12 0.04 0.17 0.07 0.01 0.07 0.01 0.24 0.31 0.31 0.42 0.32 0.32 0.32 0.32 0.32 0.32 0.32 0.32 0.32 0.34 0.31 0.43 0.15 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.01 0.31 0.31 0.32 0.33 0.34 0.35 n 0 0 0.01 0 0.01 0.01 0 0 0 0 0.02 0.01 0.05 0 0.02 80.0 0.03 0.02 0.01 0.05 0 0.02 0.07 0.02 0.02 0.02 0.02 0.02 80.0 0.09 0.01 0.03 0.24 0.01 0.17 0.01 0.07 0.02 0.02 0.02 2223 2224 2225 2226 2227 2228 2229 2230 2231 2231 2232 2233 2234 0.12 0.22 0.01 0.03 0.03 0.01 0.08 0.07 0.02 0.01 0 0 0.03 0.01 0.04 0.03 0.01 0.03 0.03 0.02 0.04 0.06 0.05 0.08 0.04 0.01 0.09 0.08 0.16 0.12 0.2 0 0 0.02 0.01 Ð 0.01 0.01 0.02 0.02 0.02 0.05 0 0 0.03 0.01 Ð 0.06 0.11 0 0.01 0.1 0.Z3 0.01 0.01 0.01 0.01 0 0 0 0 0 0 0 0.03 0.02 0.09 0.11 0.12 0.05 0.23 0.26 0.3 0.17 0.12 0.15 0.07 0.09 0.06 0.1 0.03 0.03 0.07 0.03 0.04 0.02 0.05 0 0.01 0.01 Ð 0.01 0.03 0.03 0 0.01 0.03 0.05 0.06 0.03 0.01 0 0 0 0 0.04 0 0 0.01 0.02 0 0 0.01 0.02 0.03 0.04 0 0 0.02 0.01 0.01 0.02 0 0 0.04 0.01 0 0.25 0.01 0.01 0 0.01 0.08 0.12 0.37 0.04 0.05 0.05 0.08 0.18 0.04 0.06 0.13 0.12 0.09 0.28 0.14 0.02 0.04 0.1 0.07 0.03 0.02 0.05 0.07 0.06 0.02 0.07 0.05 0.03 0.08 0.01 0.01 0.02 0.23 0 0.01 0 0.69 0.08 0.1 0.1 0.01 0.01 0 0 0.16 0.33 0.07 0.11 0.01 0.01 0.01 0.01 0.23 0.22 0.17 2269 2270 2271 2272 2273 2274 2275 2276 0.49 0 0.01 0 0.01 0.02 0.07 0.03 0.09 0.06 0.04 0.2 0.03 0.03 0.03 0.02 0.02 0.07 0.05 0.12 0.01 0.01 0.01 0.01 0 0.02 0 0 0 0 0 0 0 0 0.01 2277 2278 2279 2280 0.06 0.19 0.42 0.25 0.34 0.94 0.39 0.27 0.15 0.43 0.65 0.03 0.1 0.01 0.03 0.02 0.02 0.05 0.02 0.02 0.01 0.03 0.03 0.09 0.05 0.04 0.16 0.11 0.07 0.22 0.13 0.18 0.5 0.21 0.14 0.08 0.21 0.01 0.01 0.01 0.01 0.01 0.01 0 2280 2281 2282 2283 2284 2285 2285 0.19 0.03 0.03 0.02 0.35 0.06 0.01 0 0.04 0.03 0.03 0.02 0.01 0.01 0 0.01 0.13 0.33 0.05

0.01 2287 2.2B 0.01 0 Ð 0.01 0.01 0.03 0.01 0 0 0.01 0.02 0.03 0.01 0 0 0 0.07 0.07 0.03 0 0.07 2288 0.03 0.010.01 0 0 2289 2290 2291 0.01 0.01 0.01 0.01 0 0 0.01 0.01 0.01 0 0 2292 0 0 2293 Ð Ð Ð 0 2294 2295 2296 Ð Ð Ð Ð 0.03 $\begin{array}{c} 0.1 \\ 0.39 \\ 0.94 \\ 0.23 \\ 0.7 \\ 0.23 \\ 0.7 \\ 0.23 \\ 0.7 \\ 0.23 \\ 0.7 \\ 0.23 \\ 0.7 \\ 0.23 \\ 0.7$ 0.02 Ð 0.01 0.03 0.02 0.01 0.14 0.14 0.35 0.1 0.06 0.25 0.30 0.31 0.32 0.19 0.31 0.32 0.19 0.31 0.32 0.31 0.32 0.31 0.32 0.31 0.32 0.31 0.32 0.32 0.31 0.32 0.32 0.31 0.32 0 0.03 0.01 0 2297 2298 2299 2300 0.36 0.01 0.03 0.11 0.07 0.01 0.25 2301 2302 2303 2304 0.08 0.01 0.01 0.01 0.01 0.01 0.6 0.35 0.31 2305 2306 2307 2308 0.32 0.2 0.29 0.19 2309 2310 2311 2312 0.15 0.27 0 0.01 0 0.18 0.01 0.01 2313 2314 2315 2316 0.01 0.12 0.05 2317 2318 2319 2320 0.06 0.05 0.15 0 0.06 0.01 0.03 0.02 0.03 0.07 0.07 0.06 0.12 0.09 0.1 0.02 0.09 0.3 0.01 0.04 0 0.01 0.01 0.01 0.01 0.03 0.01 0.02 0.05 0 0.15 2321 2322 2323 2324 2325 2326 2326 2327 2328 0.02 0.01 0.16 0.08 0.01 0.04 0.09 0.1 0 0.06 0.01 0.01 0.01 0.02 0.02 0.13 0.03 0.06 0.17 0.01 0.1 0.01 0.01 0.32 0 0.2 0.03 0.03 0.11 0 0 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 0.11 0.02 0.01 0.04 0.04 0 0 0.02 0.11 0.35 0.01 0 0.01 0.08 0.15 0.01 0.24 0.16 0.25 0.32 0.09 0.5 0.18 0.95 0.2 0.13 0.01 0.01 0.17 0.17 0 0.04 0.08 0.14 0.16 0.05 0.2 0.06 0.34 0.02 0.07 0 0.01 0.08 0.08 0 0.26 0.28 0.09 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.38 0.34 1.87 0.62 0.32 0.06 0.09 0.33 0.04 0.09 0.33 0.04 0.09 0.77 0.38 0.62 1.32 0.59 1.08 0.39 0.61 1.33 0.81 1.73 0.88 0.39 0.61 1.33 0.81 1.73 0.88 0.39 0.48 0.39 0.48 0.39 0.48 0.49 0 0.1 0.64 0.05 0.15 0.01 2347 2348 2349 2350 0.03 0.15 0.01 0.01 0.02 0.34 0.09 0.19 0.29 0.17 0.52 0.39 0.27 0.52 0.33 0.45 0.55 0.21 0.63 0.21 0.61 0.33 0.24 0.13 0.33 0.24 0.13 0.35 0.33 0.24 0.13 0.35 0.33 0.24 0.19 2351 2352 2353 2354 0.23 0.06 0.17 0.01 0.02 0.01 0.02 0.04 0.02 0.02 0.02 0.05 0.03 0.04 0.03 0.04 0.05 0.05 0.02 0.02 0.03 0.31 0.18 0.12 0.47 0.21 2355 2356 2357 2358 0.5 0.17 0.28 0.57 2359 2360 2361 2362 0.33 0.76 0.44 0.48 2363 2364 2365 2366 2367 2368 2369 2369 0.59 0.24 0.22 0.11 2371 2372 2373 2374 0.12 0.46 0.74 0.53 0.37 0.87 0.21 0.04 0.06 0.29 0.02 0.03 0.02 0.01 0.04 0.01 0 0 0.35 0.25 0.16 2374 2375 2376 2377 2378 2379 2380 0.01 0.02 0.01 0.01 0.03 0.36 0.09 0.02 0.03 0.15 0.07 0.01 0.16 0.32 0.08 0.14 0.04

1101	2301	0.32	0.31	0.72	0.72	0.16	0.01	0.32	0.03	0.02	0.17	0.07	0.36
2382	2382	0.13	0.13	0.43	0.42	0.04	0.01	0.09	0.08	0.03	0.06	0.12	0.14
2384	2384	0.27	0.27	0.77	0.74	0.1	0.02	0.21	0.08	0.04	0.12	0.16	0.28
2385	2385	0	0	0.99	0.97	0	Ð	0.32	0.1	0	0	0.19	0.4
2386	2385	0.01	0.01	0.12	0.12	0	0	0.01	0.03	0	0	0.03	0.02
2388	2388	1.47	1.43	6.99	6.9	0.17	0.25	1.05	1.41	0.43	0.36	1.99	1.71
2389	Z389	0.19	0.19	0.57	0.57	0.09	0.01	0.27	0.02	0.01	0.1	0.05	0.29
2390	2390	0.03	0.03	0.09	0.09	0	0.01	0.01	0.01	0.01	0.01	0.03	0.02
2391	2391	0.09	0.09	0.47	0.47	0.04	0	0.21	0.02	0.01	0.05	0.05	0.23
2392	2392	0.46	0.45	1.42	1.43	0.23	0.01	0.64	0.05	0.03	0.24	0.15	0.71
2394	2394	0.12	0.12	0.26	0.26	0.05	0.01	0.1	0.01	0.01	0.06	0.04	0.13
2395	2395	0.23	0.23	0.46	0.46	0.12	Ð	0.24	0.01	0.01	0.13	0.03	0.25
2396	2396	0.27	0.28	0.51	0.51	0.15	0.01	0.25	0.01	0.02	0.16	0.04	0.27
2397	2397	0.29	0.29	1.14	1.14	0.15	0.01	0.57	0.02	0.02	0.16	0.09	0.61
2399	2399	0.5	0.55	119	1 1 9	0.05	0.01	0.55	0.01	0.01	0.00	0.03	0.6
2400	2400	0.03	0.04	0.65	0.66	0.02	Ð	0.32	0.01	0	0.02	0.05	0.35
2401	Z401	0.02	0.02	0.1	0.1	0.01	Ð	0.05	Ð	Ð	0.01	0.01	0.06
2402	2402	0.16	0.16	0.6	0.6	0.08	0	0.3	0.01	0.01	0.09	0.04	0.32
2403	2405	0.05	0.05	0.33	0.33	0.02	0	0.11	0.01	0	0.02	0.01	0.12
2405	2405	0.89	0.89	2.07	2.07	0.46	0.02	1.02	0.05	0.06	0.48	0.16	1.09
2406	2406	0.29	0.29	0.84	0.84	0.14	0.01	0.39	0.03	0.02	0.15	0.08	0.43
2407	2407	0.01	0.01	0.01	0.01	0.01	Ð	0.01	0	0	0.01	0	0.01
2408	2408	0.22	0.22	0.72	0.72	0.12	0	0.37	0.02	0.01	0.12	0.05	0.4
2409	2410	0.02	0.02	0.4	0.42	0.01	0	0.09	0.04	Ð	0.01	0.1	0.16
2411	2411	0.1	0.11	0.5	0.5	0.03	0.01	0.19	0.02	0.02	0.05	0.07	0.23
2412	2412	0	0	0.1	0.1	0	Ð	0.05	0.01	0	Ð	0.01	0.05
2413	2413	0.17	0.17	0.59	0.59	0.09	0	0.32	0.01	0.01	0.1	0.03	0.34
2414	2414	0.16	0.15	0.55	0.55	0.08	0	0.19	0.01	0.01	0.09	0.02	0.27
2416	2416	0.15	0.15	0.3	0.3	0.08	Ð	0.16	0.01	0.01	0.08	0.02	0.17
2417	2417	0.09	0.09	0.6	0.59	0.05	0	0.31	0.01	0.01	0.05	0.04	0.33
2418	2418	0.16	0.16	0.33	0.33	0.08	0	0.18	0.01	0.01	0.09	0.02	0.19
2415	2419	0.1	0.1	0.27	0.27	0.05	0	0.14	0	0.01	0.06	0.02	0.15
2421	2421	0.13	0.1Z	0.43	0.43	0.06	Ð	0.23	0.01	0.01	0.07	0.03	0.24
2422	2422	0.07	0.08	0.44	0.44	0.04	Ð	0.23	0.01	Ð	0.04	0.02	0.25
2423	2423	0.03	0.03	0.3	0.3	0.01	0	0.15	0.01	0	0.02	0.02	0.16
2424	2424	0.01	0.01	0.19	0.19	0.01	Ð	0.08	0	0	0.02	0.01	0.08
2426	2426	0.18	0.18	0.55	0.54	0.09	Ð	0.29	0.01	0.01	0.1	0.03	0.3
2427	2427	0.01	0.01	0.03	0.03	0	Ð	0.01	0	0	0	0	0.02
242B	242B	0.01	0.01	0.1	0.1	0.01	Ð	0.05	0	0	0.01	0.01	0.06
2429	2429	0.01	0.01	0.16	0.17	0.01	0	0.09	0	0	0.01	0.01	0.09
2431	2431	0.03	0.03	0.14	0.15	0.02	Ð	0.07	Ð	Ð	0.02	0.01	0.08
2432	2432	0.01	0.01	D D C	0.04	0.01	Ð	0.02	0	Ð	0.01	0	0.02
7477		10000000	0.01	0.04	0.04	0.01	223		8				
1424	2433	0.01	0.01	0.02	0.02	0	0	0.01	0	0	0	0	0.01
2434 2435	2433 2434 2435	0.01 0.01 0.01	0.01 0.01 0.01	0.02 0.04 0.02	0.04 0.02 0.04 0.02	0.01	0 0 0	0.01 0.03 0.01	0 0 0	0 0 0	0 0.01 0	0 0 0	0.01 0.03 0.01
2433 2434 2435 2436	2433 2434 2435 2436	0.01 0.01 0.01 0	0.01 0.01 0.01 0.01 0	0.04 0.02 0.04 0.02 0	0.04 0.02 0.04 0.02 0	0 0.01 0 0	0 0 0	0.01 0.03 0.01 0	0 0 0	0 0 0 0	0 0.01 0 0	0 0 0 0	0.01 0.03 0.01 0
2435 2434 2435 2436 2437	2433 2434 2435 2436 2437	0.01 0.01 0.01 0 0	0.01 0.01 0.01 0.01 0	0.04 0.02 0.04 0.02 0 0	0.04 0.02 0.04 0.02 0 0	0 0.01 0 0 0	0 0 0 0	0.01 0.03 0.01 0 0	0 0 0 0	0 0 0 0	0 0.01 0 0 0	0 0 0 0 0	0.01 0.03 0.01 0 0
2433 2434 2435 2436 2437 2438	2433 2434 2435 2436 2437 2438	0.01 0.01 0 0 0 0.01	0.01 0.01 0.01 0 0 0 0.01	0.04 0.02 0.04 0.02 0 0 0.03	0.04 0.02 0.04 0.02 0 0 0.02	0.01 0.01 0 0 0 0.01	0 0 0 0 0	0.01 0.03 0.01 0 0 0.01	0 0 0 0 0	0 0 0 0 0	0 0.01 0 0 0.01	0 0 0 0 0 0	0.01 0.03 0.01 0 0 0.01
2433 2434 2435 2436 2437 2438 2438 2439 2440	2433 2434 2435 2436 2437 2438 2439 2440	0.01 0.01 0 0 0.01 0.01 0.01	0.01 0.01 0.01 0 0 0.01 0.01 0.01	0.04 0.02 0.04 0.02 0 0.03 0.03 0.04 0.04	0.04 0.02 0.04 0.02 0 0.02 0.02 0.04 0.03	0.01 0.01 0 0 0 0.01 0 0	0 0 0 0 0 0	0.01 0.03 0.01 0 0 0.01 0.02 0.02	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0.01 0 0 0 0.01 0 0	0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0 0.01 0.02 0.02
2433 2434 2435 2436 2437 2438 2439 2440 2441	2433 2434 2435 2436 2437 2438 2439 2440 2441	0.01 0.01 0 0 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.04 0.02 0.04 0.02 0 0 0.03 0.03 0.04 0.04 0.04 0.09	0.04 0.02 0.04 0.02 0 0.02 0.04 0.03 0.09	0.01 0.01 0 0 0 0 0.01 0 0 0 0 0	0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0 0.01 0.02 0.02 0.02 0.05	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0.01 0 0 0.01 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.01 0.02 0.02 0.02 0.05
2432 2434 2435 2436 2437 2438 2439 2439 2440 2441 2442	2433 2434 2435 2436 2437 2438 2439 2440 2440 2441 2442	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03	0.04 0.02 0.04 0.02 0 0 0.03 0.03 0.04 0.04 0.09 0.09	0.04 0.02 0.04 0.02 0 0.02 0.04 0.03 0.09 0.09	0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.01 0.03 0.01 0 0.01 0.02 0.02 0.02 0.05 0.05	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0.01 0 0 0.01 0 0 0.01 0.01 0.01	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.01 0.02 0.02 0.05 0.05
2434 2434 2435 2436 2437 2437 2438 2439 2440 2441 2442 2443	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2443	0.01 0.01 0.01 0 0.01 0.01 0.01 0.02 0.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.03 0.03	0.04 0.02 0.04 0.02 0 0 0.03 0.04 0.04 0.09 0.09 0.09 0.09	0.04 0.02 0.04 0.02 0.02 0.02 0.04 0.03 0.09 0.09 0.09	0.01 0.01 0 0 0 0.01 0 0.01 0.01 0.01 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.01 0.02 0.02 0.05 0.05 0.05 0.05	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0 0.01 0 0 0.01 0.01 0.01 0.01		0.01 0.03 0.01 0 0.01 0.02 0.02 0.02 0.05 0.05 0.05
2434 2434 2435 2436 2437 2432 2432 2442 2441 2442 2443 2444 2443	2433 2434 2435 2436 2437 2438 2438 2449 2441 2441 2442 2443 2444 24445	0.01 0.01 0 0 0.01 0.01 0.01 0.02 0.03 0 0.07 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.07 0.07 0.01	0.04 0.02 0.04 0.02 0 0 0.03 0.04 0.04 0.09 0.09 0.09 0.09 0.09 0.09	0.04 0.02 0.04 0.02 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.12 0.04	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.01 0.03 0.01 0 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.07 0.02	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0 0.01 0 0.01 0.01 0.01 0.04 0.01	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.0 0.02 0.02 0.02 0.02 0.05 0.05 0.05
2434 2434 2435 2436 2437 2439 2439 2440 2441 2442 2443 2444 2443	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2444 2444 2444 2445 2446	0.01 0.01 0 0 0.01 0.01 0.01 0.02 0.03 0 0.07 0.07 0.01 0	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0 0.07 0.01 0.01	0.04 0.02 0.04 0.02 0 0 0.03 0.04 0.04 0.09 0.09 0.09 0.09 0.09 0.12 0.04 0.04 0.04	0.04 0.02 0.04 0.02 0.02 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.12 0.04 0.01	0.01 0 0 0 0 0.01 0 0 0.01 0.01 0.01 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.02 0.02 0.05 0.05 0.05 0.05 0.07 0.02 0.02 0.02	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0.01 0 0.01 0.01 0.01 0.04 0.04	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.07 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0
2433 2435 2435 2437 2437 2432 2432 2440 2441 2442 2443 2444 2443 2444 2445 2444	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2444 2445 2444	0.01 0.01 0 0 0.01 0.01 0.01 0.01 0.02 0.03 0 0 0.07 0.01 0 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.04 0.02 0.04 0.02 0 0 0.03 0.04 0.04 0.09 0.09 0 0.09 0.09 0.09 0.	0.04 0.02 0.04 0.02 0.02 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.01 0.04 0.01 0.02	0.01 0 0.01 0 0 0.01 0 0 0.01 0.01 0.01	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0.01 0.01 0.01 0.01 0.04 0.04 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.01
2434 2435 2435 2435 2437 2432 2439 2440 2441 2442 2443 2444 2445 2445 2445	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2444 2445 2444 2445	0.01 0.01 0 0 0.01 0.01 0.01 0.01 0.02 0.03 0 0.07 0.01 0 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.04 0.02 0.04 0.02 0 0 0 0.03 0.04 0.04 0.09 0 0.09 0 0.09 0 0.12 0.04 0.01 0.03 0.01 0.03 0.01	0.02 0.04 0.02 0.04 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.12 0.04 0.01 0.02 0.01	0.01 0.01 0 0.01 0 0.01 0.01 0.01 0.01		0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.07 0.02 0.07 0.02 0.01 0.01			0 0.01 0 0.01 0 0.01 0.01 0.04 0.04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.01 0.01 0.01
2432 2435 2435 2435 2445 2445 2445 2441 2442 2443 2444 2444 2444 2445 2446 2447 2446 2447	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2449 2450	0.01 0.01 0 0 0.01 0.01 0.01 0.02 0.03 0 0.03 0 0.07 0.01 0 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0 0.07 0.01 0.01 0.01 0.01 0.01	0.04 0.02 0.04 0.02 0 0.03 0.04 0.04 0.09 0.09 0.09 0.09 0.09 0.09	0.02 0.04 0.02 0.02 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.12 0.04 0.01 0.01 0.02 0.01 0.01	0001 0001 0000 0001 0001 0001 0004 0001 0004 0001 0004 0001 0000 0000 0000 00000 00000000		001 003 001 002 002 005 005 005 005 005 005 005 007 002 007 002 001 001 001		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0.01 0 0.01 0.01 0.04 0.01 0.04 0.01 0 0.04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.02 0.05 0.0
2434 2435 2435 2435 2437 2437 2441 2441 2442 2443 2444 2444 2444 2444	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2446 2447 2448 2449 2451	0.01 0.01 0.01 0.01 0.01 0.02 0.03 0 0.03 0 0.07 0.01 0 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0 0.07 0.01 0.01 0.01 0.01 0.01 0.01 0.	0.02 0.04 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.02 0.04 0.02 0.04 0.02 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.09	0001 0001 0001 0001 0001 0001 0004 0001 0004 0001 000 000		001 003 001 00 001 002 002 005 005 00 005 005 005 007 002 00 001 001 001 001 001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0.01 0 0.01 0.01 0.04 0.01 0.04 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.02 0.05
2434 2435 2435 2435 2435 2438 2439 2440 2441 2443 2444 2445 2445 2445 2445 2445 2445	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2444 2445 2444 2445 2444 2445 2445 2445 2445 2450 2451	001 001 001 001 001 001 001 002 003 007 001 001 001 001 001 001 001 001	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.04 0.04 0.03 0.04 0.03 0.04 0.04 0.09 0.09 0.09 0.09 0.09 0.09	0.02 0.04 0.02 0.04 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.01 0.01	0 001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001 003 001 00 00 002 002 005 005 005 005 005 005 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0.01 0.01 0.01 0.04 0.04 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.01 0.01 0.01 0.01 0.01
2434 2435 2435 2435 2435 2440 2441 2442 2443 2444 2443 2444 2445 2445 2445	2433 2434 2435 2436 2437 2438 2449 2440 2441 2442 2443 2444 2445 2444 2445 2444 2445 2445	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.02 0.03 0.02 0.03 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0 0 0.03 0.04 0.09 0.09 0.09 0.09 0.09 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.04 0.02 0 0 0 0.02 0.04 0.03 0.09 0 0 0.09 0 0 0.09 0 0 0.12 0.04 0.01 0.02 0.01 0.01 0.01 0.01 0.02	0001 001 001 001 001 0001 0001 0004 0001 0004 0001 0004 0001 000 000		001 003 001 002 002 005 005 005 005 007 002 007 002 001 001 001 001 001 001 001			0 0.01 0 0.01 0 0.01 0.01 0.01 0.01 0.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.07 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01
2432 2435 2435 2435 2435 2438 2439 2440 2441 2442 2443 2443 2445 2445 2445 2445 2445	2433 2434 2435 2436 2437 2438 2449 2440 2441 2442 2443 2445 2445 2445 2445 2445 2445	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.07 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.04 0.02 0 0 0.03 0.04 0.04 0.09 0.09 0.09 0.09 0.01 0.01 0.01 0.01	0.02 0.04 0.02 0 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.12 0.04 0.01 0.02 0.04 0.01	0001 001 0001 001 001 001 001 004 001 004 001 004 001 004 001 00 00 00 00 00 00 00 00 00 0000 000000		001 003 001 002 002 005 005 005 007 007 007 001 001 001 001 001			0 0.01 0 0.01 0.01 0.01 0.01 0.01 0.04 0.01 0.04 0.01 0.04 0.01 0.00 0.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0 0.02 0.05 0.05 0.05 0.05 0.05 0.07 0.02 0.01 0.01 0.01 0.01 0.01 0 0.01 0.01
2 4 3 4 2 4 3 5 2 4 4 3 2 4 4 4 2 4 4 4 2 4 4 4 2 4 4 5 2 4 4 5 2 4 4 5 2 4 5 5 2 4 5 5 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5	2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2455 2455	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.07 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.04 0.02 0 0 0.03 0.04 0.09 0.09 0.09 0.02 0.04 0.01 0.01	0.02 0.04 0.02 0 0 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.09			001 003 001 002 002 005 005 005 007 005 007 005 007 001 001 001 001 001		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.01 0 0.01 0.01 0.01 0.01 0.04 0.01 0.04 0.01 0.04 0.01 0.04 0.01 0.04 0.01 0.04 0.01 0.04 0.01 0.01		0.01 0.03 0.01 0 0 0.02 0.05 0.05 0.05 0.05 0.07 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01
2434 2435 2435 2435 2437 2442 2443 2444 2443 2444 2443 2444 2445 2446 2445 2446 2445 2446 2445 2446 2445 2446 2455 2455	2433 24334 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2444 2445 2444 2445 2445	001 001 001 001 001 001 001 002 003 003 007 001 001 001 001 001 001 001 001 001	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0	0.02 0.04 0.02 0.04 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.01 0.01 0.01 0.01	0001 001 001 001 001 001 001 001 001 00		001 003 001 002 005 005 005 005 005 005 005 001 001 001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0.01 0 0.01 0 0.01 0 0.01 0 0.04 0.04	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.05
2432 2435 2435 2435 2435 2438 2439 2440 2441 2442 2443 2444 2443 2445 2447 2448 2445 2445 2455 2455 2455 2455	2433 24334 2435 2436 2437 24439 2440 2441 2442 2443 2444 2445 2446 2447 2446 2447 2446 2447 2449 2450 2455 2455 2455 2455 2455 2455 2455	001 001 001 001 001 001 002 003 007 001 001 001 001 001 001 001 001 001	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.01 0.01	0.02 0.02 0.02 0.02 0.03 0.04 0.04 0.09 0.09 0.01 0.01 0.01 0.01 0.01 0.02 0.01 0.01	0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.01 0.01 0.01	0 001 001 0 001 0 001 001 001 001 000 0 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		001 003 001 002 002 005 005 005 007 007 007 001 001 001 001 001 001 001			0 0.01 0 0.01 0.01 0.01 0.01 0.04 0.01 0 0.04 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01
2434 2435 2435 2435 2435 2435 2430 2440 2441 2441 2443 2444 2445 2445 2445 2445 2445 2445	2433 24334 2435 2436 2437 2438 2440 2441 2442 2443 2444 2445 2445 2446 2447 2448 2445 2445 2451 2455 2455 2455 2455 2455	001 001 001 001 001 001 001 002 003 001 001 001 001 001 001 001 001 001	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.03 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04	0.02 0.02 0.04 0.02 0.04 0.02 0.04 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.01 0.01	0000 0001 0001 0001 0001 0001 0001 000	C C C C C C C C C C C C C C C C C C C	001 003 001 002 005 005 005 007 002 007 002 001 001 001 001 001 001 001 001 001			0 0.01 0 0.01 0 0.01 0.01 0 0.01 0 0.04 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.07 0.07 0.01
2434 2435 2435 2435 2437 2442 2443 2441 2442 2443 2444 2445 2446 2446 2446 2446 2446 2446	2433 24334 2435 2436 2437 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2446 2447 2448 2449 2450 2451 2455 2456 2455 24556 2455 24556 2459 2459 2459 2459 2459 2459 2459 2459	001 001 001 001 001 001 001 002 003 007 001 001 001 001 001 00 000 000 000	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.07 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0	0.02 0.02 0.02 0.02 0.02 0.04 0.03 0.09 0.0 0.02 0.04 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.01	0 001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001 003 001 00 001 002 005 005 005 005 005 007 002 005 001 001 001 001 001 001 001 001 001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0.01 0 0.01 0.01 0.01 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.01 0.04 0.01 0.00		0.01 0.03 0.01 0.02 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.01 0.02 0.05 0.01
2433 2435 2435 2435 2435 2438 2439 2440 2441 2442 2443 2444 2442 2443 2444 2445 2446 2445 2445 2445 2455 2455	2433 2435 2435 2436 2437 2437 2437 2437 2437 2437 2437 2449 2440 2441 2442 2444 2444 2444 2444 2444	001 001 001 001 001 001 002 003 005 001 001 001 001 001 001 001 001 001	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.03 0.03 0.03 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0	0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.01 0.01	00000000000000000000000000000000000000	C C C C C C C C C C C C C C C C C C C	001 003 001 002 005 005 007 007 007 007 001 001 001 001 001 001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0.01 0 0.01 0 0.01 0.01 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0		001 003 001 000 000 000 000 000 000 000
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2 4 3 4 2 4 3 5 2 4 4 6 2 4 4 1 2 4 4 4 2 4 4 4 2 4 4 5 2 4 4 5 2 4 4 5 2 4 5 5 2 4 5 5 6 2 4 5 5 7 2 4 5 6 7 2 4 5 6 7 2 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2433,4 2435,4 2437,2 2438,2 2437,2 2438,2 2449,2 2449,2 2449,2 2449,2 2449,2 2441,2 2441,2 2441,2 2441,2 2442,2 2442,2 2442,2 2442,2 2455,2 24	001 001 001 001 001 001 001 002 001 001	0.00 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.03 0.03 0.04 0.03 0.05 0.07 0.01 0.01 0.02 0.01 0.03 0.01 0.04 0.01 0 0.01 0 0.01 0 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.02	0.02 0.02 0.04 0.02 0 0 0 0.03 0.04 0.09 0.04 0.09 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.02 0.04 0.01 0.01 0.01 0.01 0.01 0.01 0.01		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 0.03 0.01 0.02 0.05 0.05 0.07 0.02 0.05 0.07 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01	C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0011 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001 002 002 002 002 002 002 002 002 002
2434 2435 2435 2435 2435 2439 2440 2441 2442 2443 2444 2445 2445 2445 2452 2453 2455 2455	24334 24354 24356 24377 24392 2440 2441 2441 2441 2441 2441 2441 244	001 001 001 001 001 001 001 002 003 007 001 001 001 001 001 001 001 001 001	0.00 0.01 0.01 0.01 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.02 0.03 0.03 0.0 0.04 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.01 0.0 0.02 0.0 0.03 0.03	0.02 0.02 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0	0.02 0.02 0.02 0.02 0.02 0.02 0.04 0.03 0.09 0.09 0.01 0.01 0.01 0.01 0.01 0.01	0000 0001 0001 0001 0001 0001 0001 000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001 003 001 00 001 002 005 005 005 007 002 005 001 001 001 001 001 001 001 001 001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0011 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001 023 001 001 002 002 002 005 002 005 007 002 001 001 001 001 001 001 001 001 001
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2434 2435 2435 2435 2435 2439 2440 2441 2442 2443 2444 2445 2445 2445 2451 2452 2451 2454 2455 2455	24334 24354 24356 2437 24386 24372 24482 24382 24492 24492 24492 24492 24492 24492 24492 24492 24492 24492 24492 24592 2	001 001 001 001 001 001 001 002 001 001	0.00 0.00 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.03 0.01 0.04 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.01 0.03 0.01 0.04 0.01 0.05 0.01 0.01 0.01 0.02 0.01 0.03 0.01 0.04 0.01 0.05 0.01 0.01 0.01 0.02 0.03 0.03 0.03 0.04 0.01 0.05 0.03 0.04 0.04	0.02 0.02 0.04 0.02 0.03 0.03 0.04 0.09 0.09 0.01 0.01 0.01 0.01 0.01 0.01	0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	00000000000000000000000000000000000000		0.01 0.03 0.01 0.02 0.05 0.05 0.07 0.02 0.05 0.07 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01	C C C C C C C C C C C C C C C C C C C		0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001 003 004 004 004 004 005 005 005 005 005 005
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3675	3675	0.17	0.18	0.04	0.03	0.1	Ð	Ð	0	0.01	0.1	0.01	0.01
3674	3674	0.12	0.12	0.03	0.03	0.07	Ð	Ð	0	0.01	0.07	0.01	0.01
3673	3673	0.15	Ð.15	0.04	0.03	0.08	Ð	0	0	0.01	0.09	0.01	0.01
3672	3672	0.06	0.06	0.01	0.01	0.03	Ð	0	0	0	0.03	0	0
3671	3671	0.03	0.03	0.01	0.01	0.01	Ð	Ð	0	0	0.01	0	e
3670	3670	0.12	0.12	0.03	0.02	0.06	Ð	0	0	0.01	0.07	0.01	0.01
3669	3669	0.22	0.22	0.02	0.02	0.12	Ð	0	0	0.01	0.13	0.01	0.01
3668	3668	0.15	0.15	0.01	0.01	0.09	Ð	0	0	0.01	0.09	0	0
3667	3667	80.0	80.0	0.01	0.01	0.05	Ð	Ð	0	0	0.05	Ð	Ð
3666	3666	0.11	Ð.11	0.02	0.02	0.06	Ð	Ð	0	0.01	0.06	0.01	0.01
3665	3665	0.12	0.12	0.04	0.04	0.06	0	0	0	0.01	0.07	0.01	0.01

Zone 8: To/From South Using North Capitol Street

ZONES	2015	Daily	2040	Daily	2015	5 AM	2040	AM	2015	5 PM	2040	PM
1	Inbound	Outbound	Inbound	Outbound	Inbound	Dutbound	Inbound	Outbound 1 12	Inbound	Outbound	Inbound 1 DP	Jutbound 1 7
2	0.08	0.08	0.14	0.00	0.27	0.01	0.7	0.02	0.07	0.03	0.05	0.0
3	0.00	0.00	0.14	0.15	0.01	0.01	0.02	0.02	0.05	0.05	0.05	0.0
4	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	Ð	0	0	Ð	Ð	0	Ð	Ð	
6	0	0	Ð	Ð	Ð	0	Ð	Ð	0	Ð	Ð	
7	0.01	0.01	0.04	0.04	0	Ð	0	0	0	0	0.01	0.0
В	0	0	0	Ð	0	Ð	0	0	0	0	0	
9	0.2	0.18	0.45	0.45	0.02	0.03	0.05	0.07	0.06	0.05	0.15	0.1
10	1.16	1.16	1.91	1.88	0.11	0.13	0.22	0.31	0.37	0.36	0.64	0.5
11	4.23	4.17	9.86	9.73	0.46	0.53	1.18	1.64	1.39	1.31	3.29	2.8
12	3.56	3.62	7.38	7.26	0.38	0.45	0.95	1.23	116	1.13	2.38	2.1
13	0.2	0.22	0.42	0.42	0.02	0.03	0.05	0.09	0.06	0.07	0.14	0.1
14	0.78	0.75	2.14	2.23	0.07	0.11	0.29	0.48	0.25	0.21	0.71	0.6
15	0.67	0.65	0.98	0.98	0.07	0.08	0.12	0.2	0.22	0.2	0.31	0.2
16	0.17	0.17	0.26	0.29	0.01	0.02	0.03	0.06	0.06	0.06	0.09	0.0
1/	5.8	2.87	7.23	4.59	0.85	0.57	1.13	0.99	1.89	0.88	2.39	1.2
10	1.54	1.49	5.04	5.19	0.17	0.21	0.41	0.7	0.5	0.45	1.02	0.6
19	2.54	2.27	3.5	5.00	0.27	0.27	0.77	1.02	0.07	0.05	1.50	1.4
11	2.42	2.5	4.57	9.05	0.25	0.33	1.74	1.05	117	1.00	1.55	1.4
21	0.54	5.55	7.50	2 71	0.55	0.04	0.34	1.7	D17	0.13	2.05	0.7
22	1.15	1.16	2.35	3.68	0.03	0.05	0.54	0.0	0.17	0.15	1.24	1.0
74	3 77	3.88	8 71	8.48	0.57	0.65	1.47	1.61	112	1.11	2.24	7.4
25	1.84	1.9	5.8	6.01	0.28	0.03	0.96	1.26	0.55	0.54	1.85	17
26	1.25	11	3.84	4	0.18	0.19	0.63	0.85	0.35	0.28	1.21	1
27	1.22	1 3	6.16	5.97	019	0.24	0.95	1.29	036	0.36	1 99	1.6
28	1.9	1.75	8.8	8.09	0.24	0.34	1.33	1.83	0.59	0.45	2.92	2.1
29	2.17	2.12	5.56	5.36	0.33	0.38	0.87	1.12	0.68	0.62	1.82	1.5
30	1.32	1.38	4.93	4.71	0.13	0.21	0.71	0.96	0.38	0.35	1.58	1.2
31	0.51	Đ.32	1.61	1.5	0.07	0.05	0.22	0.33	0.16	0.08	0.55	0.4
33	0.92	0.87	3.13	3.31	0.09	0.16	0.39	0.74	0.3	0.23	1.06	0.8
34	0.47	0.47	1.32	1.26	0.05	0.07	0.16	0.27	0.15	0.13	0.44	0.3
40	2.89	2.15	10.38	10.32	0.45	0.45	1.62	2.33	88.0	0.55	3.4	2.8
41	0.87	4.24	3.33	6.55	0.16	0.75	0.55	1.2	0.21	1.33	0.91	1.9
59	1.11	1.1	2.12	2.18	0.13	0.14	0.28	0.37	0.34	0.33	0.65	0.6
168	3.34	3.34	39.52	39.56	0.35	0.41	5.52	5.83	Ð.98	0.96	11.08	11.
169	15.05	15.08	22.B2	22.91	1.77	2	2.62	4.05	4.89	4.7	7.59	6.4
186	1.65	1.69	5.35	5.24	0.32	0.24	0.97	0.81	0.41	0.47	1.38	1.4
187	0.77	0.74	2.19	2.1	0.14	0.12	0.37	0.35	0.21	0.2	0.59	0.5
188	1.09	1.11	3.05	2.96	0.18	0.12	0.5	0.46	0.28	0.32	0.81	0.7
191	1.82	1.64	3.8	3.75	0.28	0.2	0.62	0.65	0.51	0.5	1.07	1.0
192	2.15	2.15	3.47	3.43	0.38	0.35	0.61	0.61	0.64	0.66	1.03	1.0
195	1.27	1.24	5.55	5.64	0.23	0.19	0.59	0.62	0.52	0.34	0.94	0.9
194	1.08	1	4.56	4.59	0.18	0.15	0.75	0.81	0.28	0.25	1.28	1.1
195	0.56	1.01	10.09	10.85	1.45	1.57	2.09	2.55	140	1.59	2.50	2.0
190	3.04	4.75	834	0.03	0.27	1.01	1.56	0.04	0.04	1.00	7 37	2.2
198	3.61	3.63	8 3 1	813	0.6	0.61	1.46	1 57	1 13	1 14	2.5	7.4
199	1.48	1.52	3.38	3.27	0.16	0.01	0.5	0.69	0.46	0.45	1.08	0.8
200	14.15	4.76	1937	9.63	7 37	0.63	3.18	1.76	4 64	15	6.37	7.8
201	3.81	3.81	9.24	9.03	0.47	0.49	1.27	1.6	1.18	1.17	2.88	2.5
202	1.33	1.79	1.82	2.25	0.27	0.36	0.36	0.46	0.33	0.48	0.47	0.
203	1.25	1.25	4.12	4.17	0.17	0.14	0.66	0.63	0.33	0.35	1.07	1.
204	5.26	5.3	18.99	19.34	0.7	0.67	3.09	3.03	1.57	1.58	5.45	5.5
205	1.27	1.34	4.91	4.83	0.18	0.17	0.8	0.79	0.36	0.39	1.36	1.3
206	7.64	7.51	22.78	23.17	1	0.92	3.46	3.77	2.29	2.28	6.88	6.7
207	0.16	0.16	8.5	8.34	0.01	0.01	1.26	1.29	0.05	0.05	2.57	2.4
208	1.06	1.07	2.02	2.06	0.16	0.13	0.33	0.3	0.28	0.3	0.55	0.5
209	4.05	4.77	6.94	7.55	0.89	0.98	1.35	1.43	0.89	1.11	1.7	1.
210	2.76	2.74	6.57	6.62	0.47	0.23	1.16	0.72	0.64	0.75	1.52	1.7
211	7.53	7.6	16.3B	16.5	1.63	0.66	3.38	1.8	1.6	2.43	3.6	4.9
212	5.34	5.4	15.98	15.06	0.98	0.48	2.73	2.04	1.24	1.64	4	4.6
213	5.78 ภวก	6.91	11.78	12.01	0.99	0.81	1.93	1.77	L/7	1.9 0.11	2.95	5.0
214	0.55	0.45	12.07	11 70	0.03	ט.טט רפת	1.76	1.66	1 79	1.71	3.10	21
210	7.71	7.0	19.0	10	1 70	ີ ຄ.ສ.2	2.70	7.00	1 86	.71	4.60	5.3
773	983	98.22	173.85	173 88	10.3	13.43	17.07	31 69	37 71	30.04	60.5	48.7
224	112.51	112,51	506.39	506.39	12.43	12.43	66.47	66.47	34.66	34,66	148.09	148 0
266	13.07	7	27.08	20.94	2.14	0.8	4.07	2.58	3.96	2.08	7.9	6.0
267	1.65	1.72	3.81	3.82	0.23	0.14	0.58	0.4	0.41	0.48	0.97	1.0
268	1.19	1.18	2.32	2.31	0.18	0.1	0.36	0.23	0.28	0.32	0.56	0.6
269	3.35	3.35	9.95	9.94	0.44	0.28	1.37	1.1	0.82	0.91	2.6	2.7
273	6.55	12.B1	14.5	20.88	0.73	1.92	1.86	3.29	Z	4.04	4.25	6.Z
274	4.44	5.59	9.67	10.8	0.63	0.63	1.42	1.31	1.14	1.62	2.52	3.0
275	2.44	2.93	5.37	5.89	0.32	0.32	0.91	0.76	0.66	0.86	1.41	1
276	2	2	3.61	3.59	0.29	0.18	0.58	0.38	Ð.49	0.56	0.89	0.9
277	2.96	3.39	6.05	6.5	0.43	0.35	0.95	0.71	0.75	0.98	1.5	1.8
27B	1.69	1.88	3.74	3.86	0.29	0.19	0.66	0.44	Ð.42	0.54	0.9	1.0
279	1.38	1.47	5.28	5.4	0.22	Ð.14	0.91	0.68	0.34	0.42	1.33	1.4
280	1.46	1.46	3.86	3.79	0.24	0.16	0.65	0.5	0.38	0.42	0.99	1.0
281	1.46	3.07	3.45	5.05	0.24	0.43	0.56	0.72	0.34	0.91	0.83	1.4
282	3.86	4.09	6.76	6.79	0.57	0.47	1.15	0.97	1.09	1.24	1.86	1.9
283	12.1	11.92	25.01	25.52	1.43	1.54	3.61	4.28	3.9	3.74	7.86	7.5
284	3.5	3.55	4.66	4.54	0.41	0.48	0.62	U. 82	1.14	1.12	1.54	1.3
285	5.89	5.93	8	7.83	0.73	0.76	1.08	1.55	1.9	1.88	2.62	2.3
786	1.88	1.89	5.11	5.15	0.25	0.23	0.45	0.49	0.59	1.5	0.95	0.9
107	3.96	4.42	00.00	2.91	0.48	0.59	0.8	0.99	1.25	1.39	1.61	1.7
287	1.77	2 6 6	7 60	6.04	D 1 9	0.000	D 44	0.77	D 25	1 1 4	J 71	1.0

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To:	Jonathan Rogers DDOT	From:	Adam Catherine, PE Stantec	
File:	Armed Forces Retirement Home Transportation Study	Date:	September 29, 2015	

Reference: Armed Forces Retirement Home Master Plan – Preliminary Assessment of Potential Transportation Improvements

Stantec and the GSA met with DDOT representatives on August 31, 2015 to discuss Armed Forces Retirement Home (AFRH) Master Plan CTR Scoping Form comments. DDOT expressed concern that the mode splits recommended by Stantec in the Scoping Form were aggressive given the lack of existing transportation services to the site. Furthermore, given the size of the site and the anticipated trip generation, a variety of transportation system enhancements must be explored for all modes in order to ensure that the site can function upon full build-out. As such, DDOT requested that Stantec prepare documentation that would indicate the typ s of transporta on system enhancements that would be examined in the report in order to achieve t e mode splits, as well as mitigate traffic impacts.

This memorandum provides a preliminary assessment of transportation enhancements that could be explored further in the Transportation Impact Study.

I. Non-Auto Driver Mode Share

Ensuring adequate and efficient access to tr nsit, pedestrian, and bicycle modes will be critical to the overall operation of the site. Therefore, the site developer should consider a variety of methods to decrease the site's auto driver mode share including physical infrastructure and transportation demand management (TDM) strategies.

A. Mode Split Estimates

In order to identify the number and scale of methods needed to decrease vehicle use, it is necessary to establish reasonable mode split goals. A preliminary assessment of existing commuter trends within the area of the proposed site was utilized to estimate the mode splits for the residential and office components of the proposed development. A non-auto driver mode split for the office, medical office, and institutional uses was calculated utilizing the 2005 Development Related Ridership Survey by WMATA, Tables S-2 and S-3 (Table 1). A non-auto driver mode split for residential uses was calculated utilizing Census Transportation Planning Package (CTPP) data for census tracts 23.01 and 23.02 (Table 1).

It should be noted that the mode splits will only be applied to office, medical office, and residential trips made during the AM and PM peak hours. No mode split credits will be applied to the retail, assisted living, or hotel uses because it is likely that transit use to/from these land uses would be low, consisting of only some employee trips and minimal patron trips.



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Mode	Split – Office/Medical Office/Institutional/Retail	Split – Residential
Auto	75%	63%
Bus	9%	12%
Metro	10%	21%
Walk/Bike/Other	6%	4%

Table 1: Targeted Mode Splits

The number of trips by mode can be estimated by combining the trip generation estimates with the mode split percentages. The results shown in **Table 2** indicate that the site is relatively balanced with a similar number of transit, pedestrian, and bicycle trips entering the site as exiting the site during both peak hours. Bi-directional trips are valuable because they maximize the number of passengers per transit vehicle trip and enhance the number of options available to support investments in transit, pedestrian, and bicycle infrastructure. However, because there are no transit facilities that currently serve the site and pedestrian/bicycle infrastructure is limited, the number of trips associated with non-auto mode represents seats that require new transit service.

Table 2: Number of Trips by Mode

	Split (Total)									
		AM Peak Ho	our	PM Peak Hour						
Mode	In	Out	Total	In	Out	Total				
Auto	1,799	1,077	2,806	1,488	2,253	3,741				
Bus	186	136	322	140	208	348				
Metro	224	219	443	219	265	484				
Walk/Bike/Other	115	55	170	60	121	181				
Total Non-Auto Modes	525	410	935	419	594	1,013				

B. TDM Strategies Specified in the Master Plan

The AFRH Master Plan specifies several TDM strategies to encourage non-auto modes. A copy of the Master Plan Transportation Management Plan is attached to this memorandum. The strategies identified in the TMP are largely focused on on-site amenities/policies that would promote non-auto modes including:

- Establishing a commuter center and website to provide services and information;
- Utilizing Commuter Connections for vanpooling, carpooling, guaranteed ride home, and teleworking;
- Joining Clean Air Partners;



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- Establishing a parking management system;
- Providing "live where you work" incentives;
- Providing preferential parking for carpool/vanpool vehicles with parking discounts; and,
- Conducting promotional/marketing events, including providing free transit passes, among other strategies.

These on-site strategies would help to encourage residents and employees to utilize transit. The more complex strategies, such as the implementation of parking management, which would likely limit parking supply and/or increase parking fees for office and residential tenants, could have a relatively significant impact on mode choice. Less complex strategies, like commuter information and promotional events, would likely have a lesser impact, but are still needed to make utilizing non-auto modes easier and more attractive. While all of the TMP strategies specified in the Master Plan are important to encouraging non-auto modes, they would have a limited benefit if the site is not properly connect to external transit services and pedestrian/bicycle infrastructure.

C. Transit

Existing Services

There are several bus routes that come within ½ mile of the site. However, as ½ mile is outside the typical walk threshold for bus service, no existing bus routes are considered to serve the site directly. Metrobus Routes D8 (Union Station to Washington Hospital Center), H2, and H4 (Crosstown Lines) serve the Washington Medical Center and provide the closest bus stop to the site. These lines operate at approximately 15-minute headways, but are already at capacity during the AM and PM peak hours (based on information presented in the McMillan Transportation Impact Study). Metrobus Route 80 provides the most direct north-south service, but is also at capacity. Furthermore, the nearest stop for Route 80 is located at the intersection of Michigan Avenue NE and Irving Street NE, which is approximately ½ mile from the nearest site access driveway. Its location on the east side of the Irving Street interchange also makes it challenging for pedestrians to access due to limited pedestrian facilities.

The AFRH site is located approximately one-mile from the Brookland-CUA Metro Station (Red Line) and approximately 1.2 miles from the Columbia Heights Metro Station (Green/Yellow Lines). Thus, the site is considered to be outside the acceptable walking distance for heavy rail transit. Furthermore, pedestrian and bicycle facilities to/from the site are limited, making it challenging to connect to the Metro stations for those that would be willing to walk or bike.

Planned Services

Several improvements have been proposed along the transit corridors near the site. These improvements were obtained from a variety of sources, including the 2014 DC Circulator Transit



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Development Plan Update Report and the 2010 DC Transit System Future Plan. Based on the review of these documents, the following bus transit enhancements were identified:

- Columbia Heights Washington Hospital Center Brookland NoMA Circulator Corridor: An east-west and north-south circulator corridor that is planned to operate near the site. Based on the 2014 Plan Update, an exact alignment has not been determined. Implementation is planned for Phase III (2021 – 2024).
- MetroExtra Route 80X: An express bus for the Route 80 corridor that would operate during peak periods. It is unclear at this time when this service would be implemented.
- Woodley Park/Adams Morgan to Brookland Str car Line: A proposed streetcar line that would operate along the Crosstown Corridor, adding significant capacity. However, it is still in the preliminary planning phases and two potential alignment options are shown: one on Michigan Avenue, and the other on Irving Street. The Irving Street alignment would be most beneficial to the site. A Michigan Avenue alignment would likely place the streetcar line outside of an acceptable walking distance from all but the southernmost buildings proposed on the AFRH site. The 2010 study indicates implementation in Phase III (2020) of the streetcar system plan. However, based on current progress of the plan, it is unlikely that the streetcar line would be implemented by 2020.
- Increased Metrorail Capacity: WMATA plans to upgrade all cars by 2030 to increase passenger capacity, as well as add the potential for 8-car trains during peak periods. Thus it is anticipated that weekday peak hour capacity will increase by 3,000 passengers.

Needs and Opportuni ies

The estimates shown in **Table 2** indicate that the site would generate approximately 322 bus trips in the AM peak hour and 348 bus trips in the PM peak hour. Due to the balance of uses on the site, the ratio of entering and exiting bus trips is 40:60 in the AM peak hour and 60:40 in the PM peak hour. The site would also generate approximately 443 new AM and 484 new PM peak hour Metrorail trips. Based on the planned bus and Metrorail enhancements discussed above, it is not anticipated that the site would overload system capacity. Rather, the challenge will be to ensure efficient access to the existing and planned transit services.

A variety of strategies could be developed utilizing new site-specific transit services, planned transit services, or a combination of both. These preliminary strategies, which will be evaluated further in the Transportation Impact Study, are outlined below:

• Private Shuttle

The AFRH Master Plan TMP calls for a shuttle to connect the site to nearby transit facilities, such as the Route 80 bus corridor and the Columbia Heights and Brookland-CUA Metrorail stops, which also act as hubs for a variety of bus routes. Tapping into bus lines that serve the Metro stations would help to increase the number of bus options for site



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residents and employees, thus distributing bus trips over a larger number of potential bus routes.

Shuttle service could be phased with development on the site, with shuttle vehicle size and frequency increasing as components of the site become occupied. However, as the site continues to develop, providing shuttle services will become more challenging as larger vehicles would be needed operating at decreased headways. For example, assuming a shuttle capacity of 40 passengers, approximately 12 shuttle bus trips would be needed during weekday peak hours (corresponding to 5 minute headways), in order to meet the anticipated full build-out peak demand. Therefore, the developer should consider working with WMATA to ensure that the planned streetcar line and/or circulator serve the AFRH site as a long-term strategy.

• Extension of WMATA Bus Routes D8, H2, H4

Consideration could be given to working with WMATA to provide direct bus connections to/from the site. Specifically, discussions could be held to extend the D8, H2, and H4 lines, which currently enter the Washington Hospital Center campus, to continue north along First Street and enter the AFRH site. Additional buses will be needed as the existing D8, H2, and H4 lines operate at capacity. It should be noted that providing H2 and H4 service to the site may help to reduce demand for a private, site-specific shuttle, as these routes would provide connections t the Columbia Heights and Brookland-CUA Metrorail Stations.

Adjustments to WMATA Bus Route 80 Alignment

Consideration could also be given to working with WMATA to provide a deviation to Route 80 that would utilize Irving Street and First Street to connect back to North Capitol Street. The proposed addition of MetroExtra express service on Route 80 may help to ease existing capacit constraints, and may provide the feasibility for a route deviation for some non-express buses.

• Streetcar/Circulator

The developer should be involved in the refinement of the alignments for the proposed Woodley Park/Adams Morgan to Brookland Streetcar Line and Columbia Heights – Washington Hospital Center – Brookland – NoMA Circulator Corridor. While these are likely longer-term projects, early involvement is key to ensuring that these new services provide adequate transit access to the AFRH site. Services like the streetcar or circulator will be needed upon full build-out to help accommodate the over 800 peak hour transit trips that are anticipated to be generated by the site.

The implementation of the above-listed strategies could be phased in as the site develops. However, it will be necessary to consider a combination of strategies in order to meet the anticipated weekday peak hour demands upon full build-out. Early and frequent involvement


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with DDOT and WMATA will be needed to ensure that planned transit improvements are accessible from the AFRH site.

D. Pedestrian and Bicycle Infrastructure

Based on the information contained in **Table 2**, the site is anticipated to generate approximately 170 AM peak hour and 181 PM peak hour pedestrian and bicycle trips. However, in order to accommodate this demand, improved connections to existing and planned pedestrian and bicycle facilities are required.

Existing Infrastructure

Existing pedestrian and bicycle infrastructure is limited within the area of the AFRH site. The only pedestrian and bicycle facilities along the site frontage consit of a shared-use trail along the south side of Irving Street, as well as sidewalks on First Street. No facilities are provided along North Capitol Street. The existing shared-use trail on Irving Street provides connections to existing bike lanes on 4th Street NW and 4th Street NE.

Planned Facilities

The MoveDC Plan outlines several planned bicycle system improvements, including new bicycle trails, bicycle lanes, and cycle tracks on corridors outside the area of the AFRH site. However, no new facilities are planned to connect to the AFRH site.

Needs and Opportunities

Improvements to the pedestrian and bicycle infrastructure within the area of the site are needed not only for commuting purposes, but for off-peak travel and recreation as well. A variety of strategies could be considered to improve access to existing and planned facilities, enhance safety at roadway crossings, and encourage bicycle use. A preliminary list of strategies that will be considered in greater detail the Transportation Impact Study is provided below:

- Onsite sidewalks, shared-use trails, and/or bicycle lanes that provide connections to offsite facilities.
- Multiple bikeshare stations onsite.
- Shared-use trail on the north side of Irving Street.
- Crosswalks and countdown signal heads across all approaches at the intersection of Irving Street and First Street.
- Shared-use path, or sidewalks and bicycle lanes on Scale Gate Road to provide connections to existing pedestrian and bicycle facilities on Harewood Road and the CUA campus. This would also provide a more direct connection between the AFRH site



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and the Brookland-CUA Metro Station, encouraging pedestrian and bicycle use to connect to the Red Line.

• Urbanize the Irving Street/North Capitol Street interchange to reduce the number of free movements and enhance pedestrian and bicycle safety.

II. Auto-Trips

The AFRH site is anticipated to generate a significant number of vehicle trips, even if the mode split targets are fully realized. Based on the information contained in **Table 2**, the site is anticipated to generate 2,806 AM peak hour vehicle trips and 3,741 PM peak hour vehicle trips. While the immediate roadway network around the site has available capacity to accommodate the additional trips, the larger study area roadway network is relatively constrained with limited capacity and high demand. This is particularly true for east-west connections across the City, as well as the intersection of North Capitol Street and New Hampshire Avenue. A variety of vehicle-related strategies will be explored further in the Transportation Impact Study to mitigate the site's traffic impacts. These strategies may include:

- Reducing single occupancy vehicle trips:
 - Preferential parking and other amenities for carpooling/vanpooling.
 - Parking management (parking fees, unbundled parking for commercial tenants, parking cash-out, reduced parking supply).
 - Multiple reser ed parking spaces in preferential locations for carshare vehicles.
- Providing wayfinding within the site to balance the distribution of site trips across all site driveways.
- Adding capacity to existing intersections through signal timing enhancements, signal coordination, and additional turn lanes (where possible).
- Identifying measures to divert traffic from congested roadways to underutilized roadways.
- Extending Scale Gate Road to Harewood Road.
- Coordinating with DDOT on the East-West Corridor Study to ensure that planned mitigation measures are in line with recommendations in the Study.



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