

2017 Nationals Park Traffic Operations and Parking Plan



March 30, 2017

Full Version with Appendix

Prepared by:



EXECUTIVE SUMMARY

The purpose of DDOT's Nationals Park Traffic Operations and Parking Plan (TOPP) is to identify key actions, resources, and strategies designed to help facilitate travel by large crowds to and from baseball games, concerts, and other special events held at Nationals Park. The TOPP reflects information provided by a wide range of stakeholders, and also reflects details for the 2017 season, which have been provided by the Washington Nationals organization.

Goals of the TOPP include the following:

- Minimize the impact of parking availability and traffic flow to adjacent residential neighborhoods and commuters.
- Provide information to help get patrons to/from the ballpark efficiently.
- Provide enhanced information to patrons to maximize the use of Metrorail since off-street parking supply continues to decline due to new land development.
- Provide a framework for the enforcement of all restrictions during games, especially for parking and curb lane activity, with an emphasis on M Street.
- Reduce pedestrian-vehicular conflicts at intersections as much as possible. This may involve game-day restrictions on motor vehicle traffic for streets with high pedestrian volumes.
- Coordination between the District Department of Transportation (DDOT), Metropolitan Police Department (MPD), Department of For-Hire Vehicles (formerly DC Taxicab Commission), the Nationals, and other stakeholders to manage the growing volume of pick-up and drop-off activity of Transportation Network Companies (TNCs) such as Lyft, Uber, and Via.

The TOPP includes several maps that highlight placement of Traffic Control Officers, Emergency No Parking locations, and Metro rail stations.

RECOMMENDATIONS FOR 2017 NATIONALS PARK TOPP

Based on findings from the stakeholder interviews, data analysis, parking assessment, and lessons learned from prior baseball seasons, the following recommendations are presented.

Base and Enhanced TOPPs

DDOT employs **two operational plans** for Nationals games based on anticipated attendance levels and the day of week/time of day for the games:

- A **Base** TOPP would largely follow the game day procedures and staffing levels for normal games with low to moderate levels of attendance.
- An **Enhanced** TOPP will be employed for games with high levels of attendance, and for most games with weekday afternoon start times for which the game would conclude during the standard weekday pm rush hour.

Based on the review of Nationals Park attendance data, DDOT/MPD game day experiences from previous seasons, and utilizing game day operational plans at Barclays Center and Red Bulls Arena for comparison purposes, the following basic framework for establishing factors that trigger various levels of traffic mitigation resources was developed and is presented in Table 1.

Table 1: Factors for trigger various levels of traffic mitigation resources

TOPP Plan	Weekday Afternoon ¹		Other Times	
	Base	Enhanced	Base	Enhanced
Attendance Threshold	≤ 25K	> 25K	≤ 35K	> 35K

¹ Excludes July 4th

Attendance projections will be provided by the Nationals to key stakeholders in advance of all home games and other stadium events to allow for appropriate allocation of staffing and other resources.

Presented in the following sections are the details for the Base and Enhanced TOPPs for each type of operational undertaking. Table 2 provides a summary of key elements of the Base and Enhanced Nationals Park TOPP for the 2017 season.

Table 2. Key Elements of Base and Enhanced National Park TOPP

	Base TOPP	Additional Coverage for Enhanced TOPP
Intersection Control Personnel (* Post-Event Only)	<ul style="list-style-type: none"> -1st St & M St SE -1st St & N St SE -1st St & M St SW * -4th St & M St SE* -Half St & M St SE -New Jersey Ave & M St SE * -New Jersey Ave & Tingey St SE -South Capitol St & I St SE -South Capitol St & I St SW -South Capitol St & M St SE -South Capitol St & Potomac Ave SE 	<ul style="list-style-type: none"> -1st St & Potomac Ave SE -3rd St & M St SE -3rd St & M St SW -4th St & M St SW -5th St & M St SE -11th St & M St/exit to 11th St Bridge -Half St & M St SW -M St & Delaware Ave SW -South Capitol St & N St SE -South Capitol St & O St SE
Variable Message Signs <ul style="list-style-type: none"> – I-295 NB (1) – DC-295 SB (2) – I-395 NB (2) – I-395 EB (1) – New York Ave WB (1) 	Activate 2 hours prior to scheduled game start time	
Freeway Lane Closures: Post-Event (Roadway Operations Patrol) During 8th inning of games implement lane reductions at freeway entrance ramps	<ul style="list-style-type: none"> -Ramp to 11th Street Bridge from M street SE leading to I-295 going south -On SE /SW Freeway at the ramp from South Capitol Street 	<ul style="list-style-type: none"> -On-ramp to 14th Street from Maine Avenue SW leading to I-395 going south -On northbound South Capitol Street Bridge approaching South Capitol/Potomac Ave SE
Drop Cones at Strategic Intersections to Prevent Left Turns (Post-Event)	-M Street at New Jersey Ave	-7 additional intersections
Street Closures (to be done by Metropolitan Police Department)	<ul style="list-style-type: none"> -N St SE between First St and garage west of Half St (Pre and Post Event) -Half St SE between M St and N St (Pre and Post Event) 	<ul style="list-style-type: none"> -First St SE between M Street & N Street (Post Event only) -Northbound South Capitol Street service ramp, north of M Street (Post-Event only)
Lane Reconfiguration	<ul style="list-style-type: none"> -Pre Event: Implement lane shift on First Street SE to allow for two southbound lanes, one northbound lane, and one pedestrian pathway between M Street and N Place -Post Event: Implement lane reconfiguration on southbound First Street south of N Street to force garage traffic to turn right 	
Traffic Signal Timing	DDOT recently updated signal timing plans used during game days for pre and post-game traffic conditions. This task included the development of timings to accommodate traffic volumes in the vicinity of Nationals Stadium on game day at 48 signalized intersections.	
Traffic Management Operations	Operators monitor traffic, incidents, signal status from DDOT’s Traffic Management Center (Camera locations shown in Appendix Section A.1)	
Curbside activity around ballpark	Curbside parking restrictions in effect at key locations on M Street, N Street, First Street, the South Capitol Street Frontage Road, and Potomac Ave during baseball games. Additional parking restrictions on L Street and Half Street to accommodate taxi and Transportation Network Companies.	

1. Traffic Signal Timing Plan

1.1 Development of TBC (Time-Based Coordination) Schedule-Based Plans

For the 2016 baseball season, DDOT recently updated signal timing plans used during game days for pre and post-game traffic conditions. This task included the development of timings to accommodate traffic volumes in the vicinity of Nationals Park on game day at 42 signalized intersections. The location of those intersections can be found in the Appendix (A.2). Plans were developed for inbound and outbound conditions. Traffic volumes and patterns were determined based on:

- Available game day Turning Movement Counts (TMC) from the 2014 and 2015 baseball season,
- 2013-2015 DDOT traffic sensor data, and
- DDOT staff's observations of traffic volumes and patterns during past baseball seasons, including the 2015 season.

1.2 Development of Central Scheduling ("Quick Schedule" in "QuicNet" System)

Besides updating the baseball special timing plans, DDOT has also developed a "Quick Schedule" within the QuicNet Signal System which will automatically broadcast the appropriate plans in real time. This is based on a predetermined time-of-day schedule. The summary of the central programming in QuicNet for each of the scheduled 83 home games during the 2016 season can be found in the Appendix section of this document (Appendix A.3). It must be noted that all intersections will operate on the "Local Schedule" outside of the baseball coverage period.

1.3 Staffing Needs During 2016 Season

As with any Special Event that generates additional volumes of traffic, there are variables involved in traffic related conditions that may require "real time" adjustments. Such variables could include: vehicular traffic delays during peak ingress and egress periods, changes in schedule and anticipated game duration, other special events (such as concerts), unexpected roadway closures, breakdowns and accidents. As such, DDOT Traffic Signal Engineers/ Technicians will fine-tune the schedule and the timing plans as necessary throughout pre and post event conditions. Table 3 below presents the staff hours of coverage for various game day conditions.

Table 3. Hours of Coverage for Signal Timing Operations Staff

Game Day and Start Time	Hours of Coverage (Signal Timing Operation)
Weekday 1:05 pm	8 hrs (11:00-18:00)
Weekend 12:35, 1:05, 1:35, 4:05 pm	6 hrs (1.5 hrs prior; 1.5 hrs after)
Saturday 7:05 pm	6 hrs (1.5 hrs prior; 1.5 hrs after)
Weekday 4:05 pm	6 hrs (13:30-19:30)
Weekday 7:05 pm	6 hrs (17:00-23:00)

2. Location of District Personnel and Staff During Game Days

For the Nationals season, DDOT’s traffic control deployment will consist of a combination of Traffic Control Officers, Safety Technicians (Crossing Guards), MPD, special personnel from the Nationals and other appointed special personnel. The personnel coverage will be provided at a total of 11 intersections for the Base TOPP. For the Enhanced TOPP, DDOT will consider deploying personnel at an additional 10 intersections. The personnel locations for each plan are listed in Table 4 below, along with a link to the map representing these locations:

Table 4. Location of DDOT Traffic Control Personnel for Nationals Park Events

	Base TOPP	Additional Coverage for Enhanced TOPP
Intersection Control Personnel	<ul style="list-style-type: none"> -1st St & M St SE -1st St & M St SW * -1st St & N St SE -4th St & M St SE* -Half St & M St SE -New Jersey Ave & M St SE * -New Jersey Ave & Tingey St SE -South Capitol St & I St SE -South Capitol St & I St SW -South Capitol St & M St SE -South Capitol St & Potomac Ave SE <p>* Post-Event Only</p>	<ul style="list-style-type: none"> -1st St & Potomac Ave SE -3rd St & M St SE -3rd St & M St SW -4th St & M St SW -5th St & M St SE -11th St & M St/exit to 11th St Bridge -Half St & M St SW -M St & Delaware Ave SW -South Capitol St & N St SE -South Capitol St & O St SE
Map Link	http://ddot.dc.gov/sites/default/files/dc/sites/ddot/publication/attachments/Nats%20Park%20TOPP%202016_StaffingMap.pdf	

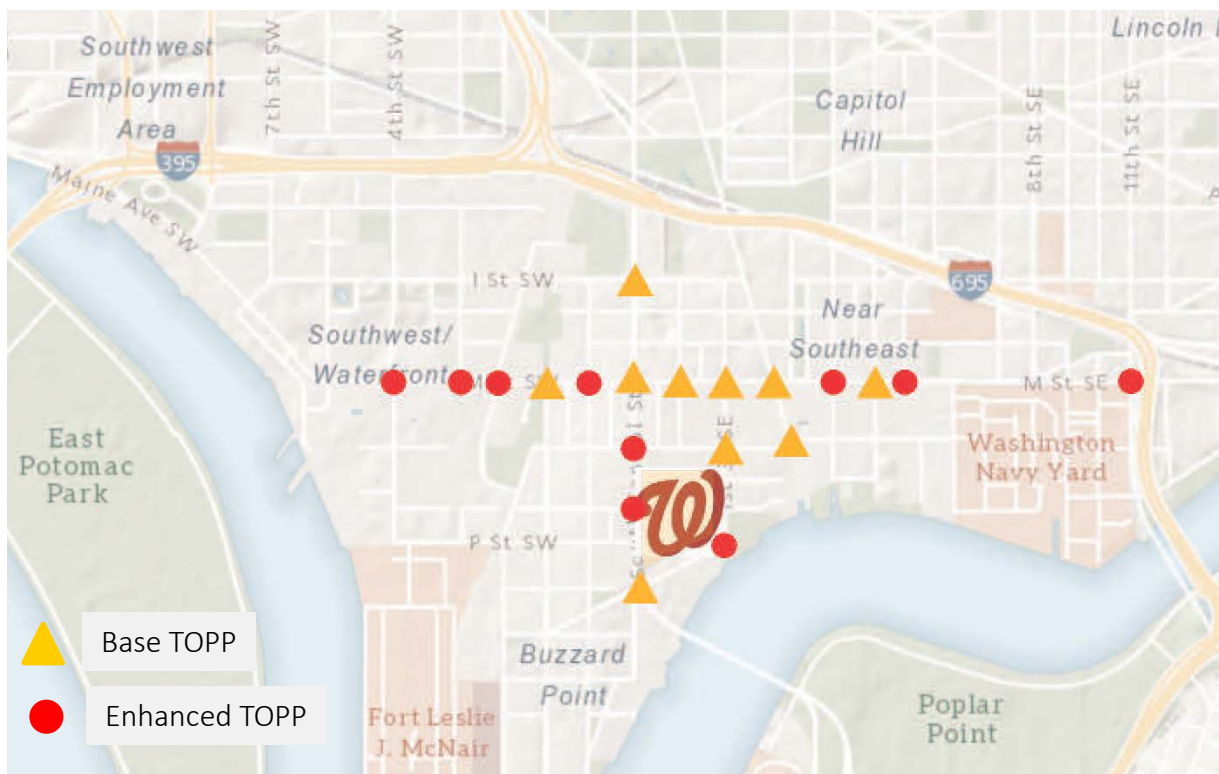


Figure 1: Location of DDOT Traffic Control Personnel for Nationals Park Events

3. Roadway Reconfigurations/Closures (Roadway Operations Patrol and Contractors)

Freeway Lane Closures – Post-Event

Roadway Operations Patrol (ROP) staff will implement lane reductions during the 8th inning of games to expedite the merge onto the freeways during the post-game period. Locations for both the base and enhanced plans are shown below:

Base TOPP

- Ramp to 11th Street Bridge from M Street SE leading to I-295 going south
- On SE/SW Freeway at the ramp from South Capitol Street

Additional Locations for Enhanced TOPP

- On-ramp to 14th Street from Maine Avenue SW leading to I-395 going south
- On northbound South Capitol Street Bridge approaching the intersection of South Capitol and Potomac Avenue SE

In addition to implementing freeway tapers, ROP will drop cones on M Street at New Jersey Avenue SE to prevent left turn as part of the Base TOPP.

For the Enhanced TOPP, at the beginning of the 8th inning ROP will drop cones at the following seven (7) intersections to reduce possible turn movements:

- M Street SE at Cushing Place (cones in between the two medians)
- Turn lane from M Street to southbound Half Street SW (cone off turn lane)
- M Street SE at 2nd Place SE (cones between the two medians)
- On-ramp to northbound South Capitol Street from M Street
- Turn lane from M Street to northbound Half Street SW (cone off turn lane)
- On-ramp to southbound South Capitol Street from M Street
- M Street SE at 2nd Street SE (cones between the two medians)

N Street, SE Lane Reconfiguration – Pre and Post-Event

For baseball games and other events at Nationals Park, traffic cones will be placed along N Street, SE between Van Street and South Capitol Street to separate pedestrians walking on the north (westbound) side of N Street, which currently has no sidewalk due to a private development project (Figure 2). The cones are required to be placed by the development contractor.



Figure 2: N Street, SE Lane Reconfiguration, Pre and Post-Event

Lane Configuration on First Street, SE South of N Street, SE

Following baseball games and other events at Nationals Park, traffic cones will be positioned to institute a forced right-hand turn from the garage on First Street south of N Street, as shown below (Figure 2):

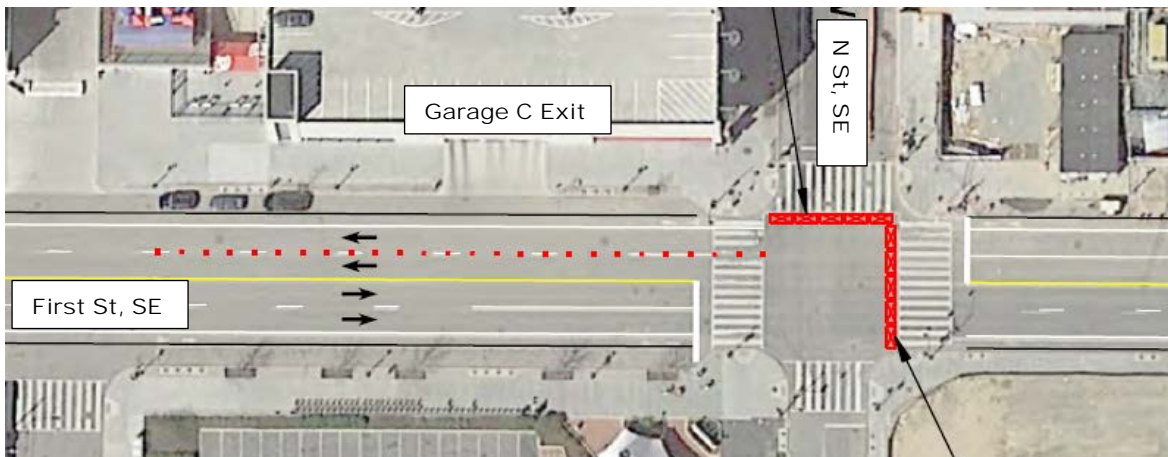


Figure 2: Forced Right-Hand Turn From Garage on First Street South of N Street – Post-Event

4. Variable Message Signs (VMS)

The DDOT Traffic Management Center will activate message boards two (2) hours prior to scheduled game start times. Seven permanent VMS boards will be activated for each game. Locations and VMS messages are shown in Table 5. Note that Exit 1A on I-695 was omitted from the VMS messages due to heavy traffic on South Capitol Street and impacts of exiting traffic on the intersection of South Capitol Street at M Street.

Table 5. Variable Message Sign Locations and Messages

DMS ID	Location	Travel Direction	Message
9100	I-395 NB General Purpose Lanes (VA side of 14th Street Bridge)	NB	NATS BALL PARK USE I-695 EXIT 1B
9101	I-395 NB HOV Lanes (VA side of 14th Street Bridge)	NB	NATS BALL PARK USE I-695 EXIT 1B
6007	Southwest Freeway (I-395 EB), West of South Capitol Street, SW	EB	NATS BALL PARK USE EXIT 1B
7097	DC-295 South of Eastern Ave, NE (SB)	SB	NATS BALL PARK I-295 to EXIT 4B
7022	Anacostia Freeway (DC-295 SB) between M PL and M Street, SE	SB	NATS BALL PARK EXIT 4B
8016	Anacostia Freeway (I-295 NB) South of Firth Sterling Ave, SE	NB	NATS BALL PARK USE EXIT 3B
5094	New York Av East of South Dakota Av, NE (WB)	WB	NATS BALL PARK USE I-395 SOUTH

5. Street Closures

The following full street closures will be implemented under the base and enhanced plans (Figure 3):

Base TOPP:

- All lanes of N Street, SE between First Street and the garage to the west of Half Street (Pre and Post Event)
- Half Street SE between M Street and N Street SE (Pre and Post Event)
- Additionally, access to eastbound N Street will not be allowed from South Capitol Street or the western leg of N Street to allow for westbound left and right turns from N Street (Post Event Only)

Enhanced TOPP:

- All lanes of First Street, SE between M Street and N Street (Post-Event Only):



Figure 3: Full closure of First Street, SE between M Street and N Street (Post-Event Only)

These locations are designated as Special Event Areas and may be closed to non-emergency vehicular traffic starting up to three (3) hours before commencement of baseball games or other special events and continue until two (2) hours after the end of games/events.

In addition, there are a number of special events that will also likely require street closures. Those events are identified in Table 6.

Table 6. Additional Nationals Park Events Requiring Street Closures

Date	Day of Week	Event	Street Closure Start Time	Street Closure End Time
April 22	Saturday	DC Beer Festival #1	10:30 am	8:30 pm
June 7	Wednesday	IPW Closing Ceremonies	6:15 pm	10:30 pm
June 15	Thursday	Congressional Baseball	4:00 pm	10:30 pm
July 12	Wednesday	Microsoft	5:00 pm	11:00 pm
July 14	Friday	James Taylor Concert	4:00 pm	12:15 am
July 22	Saturday	Spartan Race	5:00 am	11:00 pm
Nov 4	Saturday	DC Beer Festival #2	10:30 am	8:30 pm

Streets to be closed for all events: N Street between South Capitol and 1st St.; Half St. between M Street and N Street.

Table 7 identifies other special events scheduled to take place in the District that could impact roadway traffic, Metro ridership, and potentially limit resources available for Nationals Park traffic control support:

Table 7. Other Special Events that Could Impact Area Roads and Metro

Date	Day(s) of Week	Event
April 1-2	Saturday/Sunday	Cherry Blossom Beer and Wine Festival
April 8	Saturday	National Cherry Blossom Festival Parade
April 15	Saturday	SW Waterfront Fireworks Festival
May 13	Saturday	10th Annual National Police Week 5K
May 21	Sunday	The 7th Annual Semper Fi 5K
July 16-24	9 days	Citi Open
September 17	Sunday	Navy-Air Force Half Marathon & Navy 5-Miler
October 12	Thursday	The Wharf and Anthem Music Hall scheduled to open
October 22	Sunday	MCM 10K

6. Traffic Management Operators

For both the Base and Enhanced TOPP, operators will be on hand to monitor traffic, incidents, signal status from DDOT's Traffic Management Center.

7. Parking Availability and Restrictions

There has been a dramatic reduction in the number of parking spaces since 2008 due to land use development in the Ballpark area. It is thus necessary to strictly enforce existing parking restrictions. Additionally, there are numerous areas surrounding the Ballpark where vehicles will be restricted from parking during Nationals Park events for one or more of the following reasons:

- Closure of the street where the parking currently exists;
- A desire to facilitate movement of vehicles, buses, or other transportation modes along a roadway with existing parking;
- The placement of curbside uses specifically tailored for Nationals Park events, such as pickup or drop-off for taxis, Uber, Lyft, or other Transportation Network Companies;
- Public safety, including emergency vehicle access.

The **Emergency No Parking** restriction locations and number of spaces affected during Nationals Park events are shown below in Table 8:

Table 8. Emergency No Parking Locations

Location	# of Spaces
Cushing Place SE from L Street to M Street (West side / ENP to allow taxi staging)	8
First Street SE from M Street to Potomac Avenue (East side / ENP needed only in metered parking areas)	9
First Street SE from M Street to Potomac Avenue (West side / ENP needed only in metered parking areas)	24
Half Street SE from M Street to L Street (East side)	8
L Street SE from Half Street to Cushing Place (South side)	5
M Street SE from 4th Street SE to 1st Street SW (North side)	27
M Street SW from Howison Place SW to South Capitol Street SW (South side)	4
N Place SE from First Street to end of street (North side)	8
N Street SE from South Capitol Street to First Street SE (North side)	3
N Street SE from South Capitol Street to First Street SE (South side)	5
Potomac Avenue SE from First Street to South Capitol Street (North side / ENP needed only in metered parking areas)	3
Potomac Avenue SE from First Street to South Capitol Street (South side / ENP needed only in metered parking areas)	7
Potomac Ave SW between South Capitol and Half Street (North side)	5
Seventh Street SE between M Street and L Street (West side)	3
South Capitol Street SE Frontage Road from M Street SE to K Street SE (East side)	3
South Capitol Street SE Frontage Road near Storage Facility (East side)	2
TOTAL	124

These restrictions are strictly enforced on game days. The Nationals will also make a concerted effort to inform fans of these and all other parking restrictions during game days.

Existing parking restriction signage, especially in residential neighborhoods surrounding the ballpark, will be maintained. Residents should be provided with information regarding parking restrictions at least 72 hours before going into effect.

Ballpark Performance Parking Zone: Meter Operational Adjustments

For the 2017 season DDOT will implement a simplified Distance Derived, Progressive Duration Pricing approach for parking meters.

A Stadium Event Zone will encompass Nationals Park and Audi Field, and will employ the following Event Rate Schedule:

	Event Day (7AM-12AM) (including Sundays and holidays)
1st Hour	\$2.30 per Hour
Subsequent Hours	\$8.00 per Hour

These parking meter rates will apply for entire calendar day for all days with stadium events. DDOT may adjust the rate schedule during the course of the baseball season if needed, with public notice.

Parking Lots and Garages

Figure 4 and the web link below provide a map that shows the locations and parking capacities for major parking lots and garages in the vicinity of Nationals Park. DDOT will work with the Nationals to provide directions for drivers traveling to and from Nationals-affiliated parking lots.

<http://ddot.dc.gov/sites/default/files/dc/sites/ddot/publication/attachments/Nats%20Park%20TOPP%202016%20Major%20Parking%20Lots%20and%20Garages.pdf>

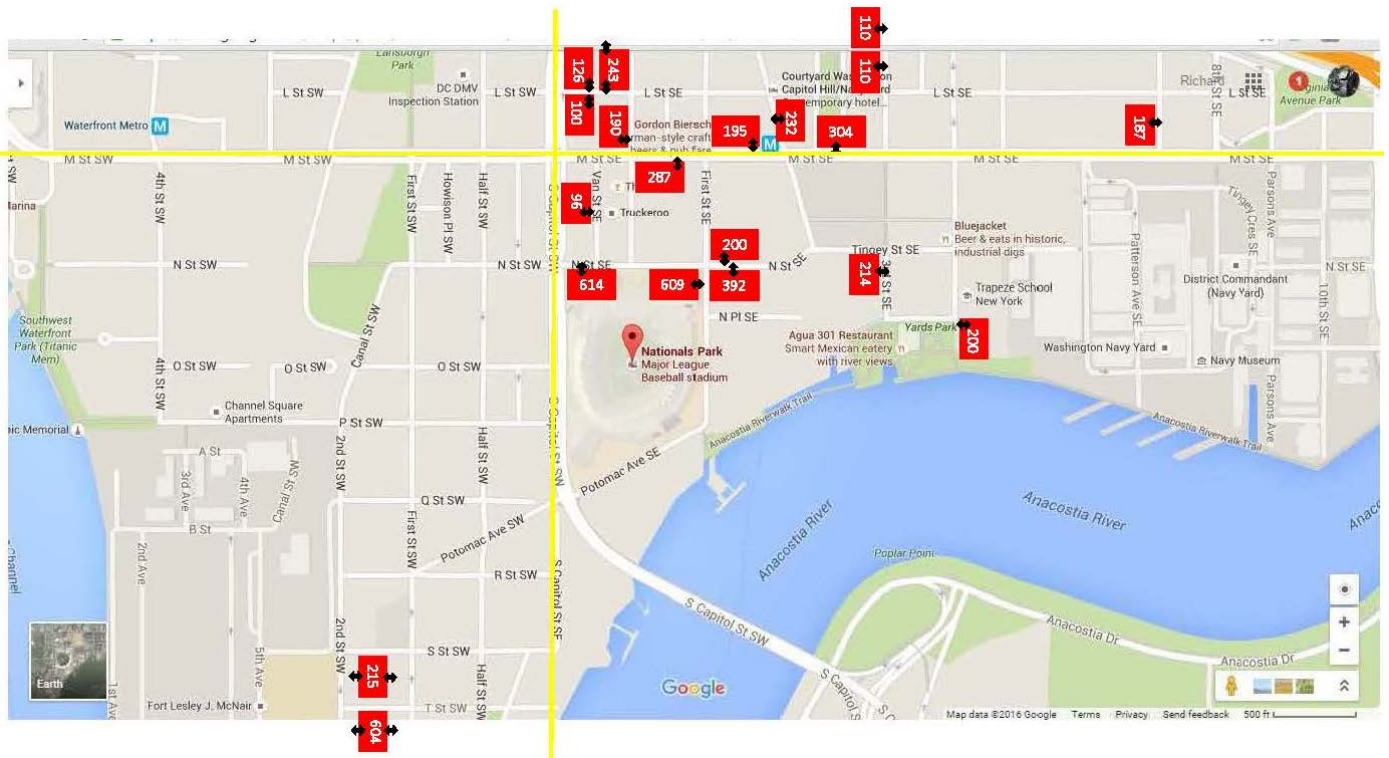


Figure 4: Major Parking Garages and Lots

The following map (Figure 5) provides best egress routes from parking garages and lots located adjacent to Nationals Park. During games that fall under the enhanced plan, these routes will be enforced through the closures shown in the map.

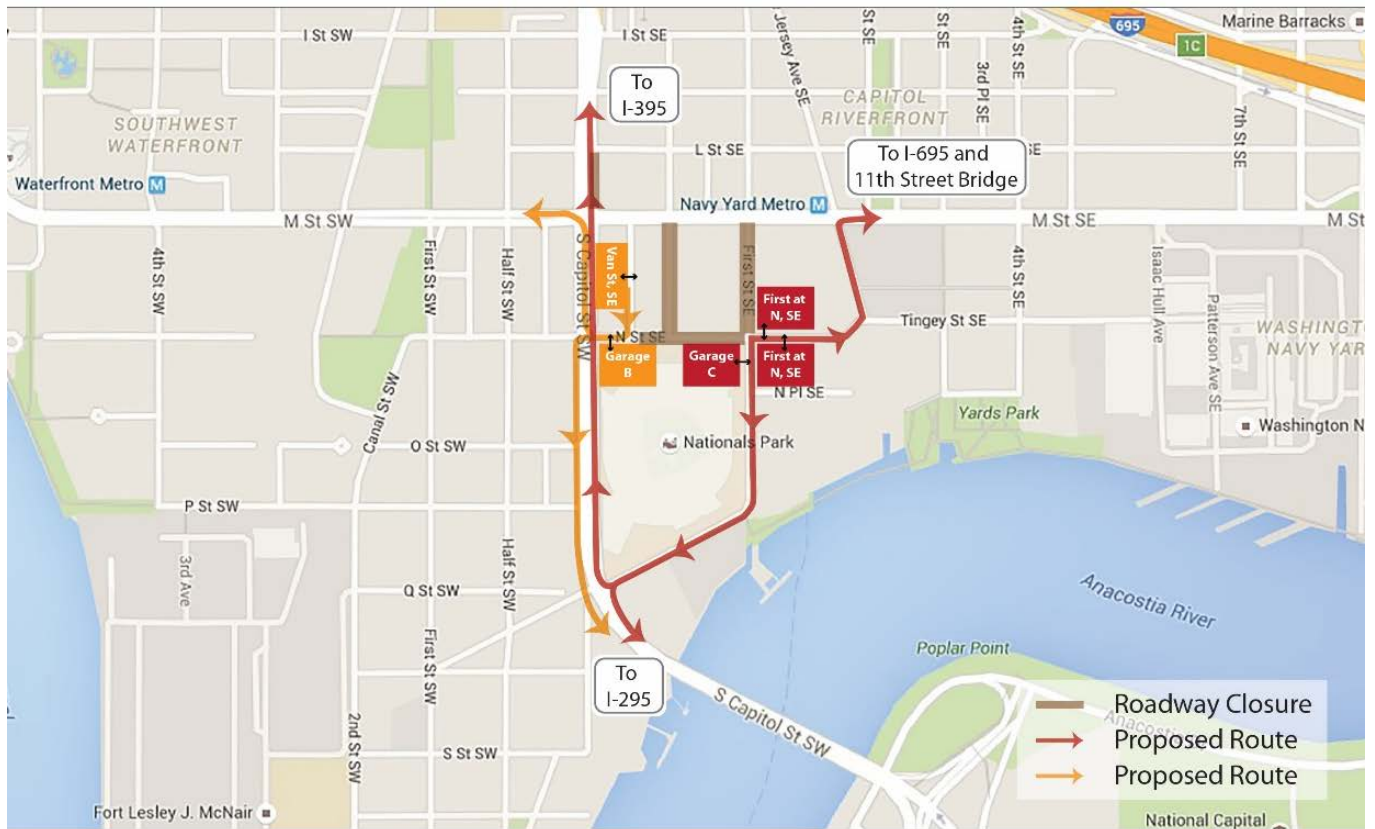


Figure 5: Egress from Selected Parking Lots and Garages

Vehicles leaving the **Van Street parking lot or Garage B** (orange icons in Figure 5) will need to take N Street to South Capitol Street. Southbound South Capitol Street traffic can exit onto I-295, while northbound traffic will be pushed up the South Capitol Street service road and then will need to make a left onto M Street (turning right onto M Street is also an option, although less desirable). M Street traffic can access I-395 by following M Street and Maine Avenue until entering I-395 via the 14th Street Bridge.

Vehicles leaving **Garage C, or the two lots on N Street at First Street** (red icons in Figure 5) will either be able to exit by traveling south on First Street/Potomac Avenue until reaching South Capitol Street, or by turning left onto New Jersey Avenue from N Street and then taking New Jersey Avenue north to M Street. Vehicles that exit to South Capitol Street can either travel south to reach I-295 or north to reach I-395 via I-695. Vehicles exiting onto M Street via New Jersey Avenue should turn right and travel down to access I-695 via the 11th Street Bridge.

8. Tour Bus Management

Prior to start of games, tour buses unload passengers on 1st Street prior to Potomac Avenue SE and on Potomac Avenue prior to South Capitol Street SE, on the side nearest to ballpark. Once passengers have departed, buses proceed around the ballpark to the intersection of Potomac Ave, SE and South Capitol Street, SE and proceed to Lot W at the intersection of M Street and 7th Street,

SE. Given limited parking availability for tour buses at Lot W, the Nationals should make alternate parking arrangements for tour buses in excess of the Lot W parking capacity.

Buses (and limousines) wishing to pick up passengers MUST return to the drop-off/pick-up location, adjacent to the ballpark, during the 7th inning in order to pick up their passengers after the game. Failure to do so or late arrival will result in the vehicles being disallowed access to the drop-off/pickup location.

9. Taxi Cab Management and Enforcement

In the past, a pre-game taxi drop-off location was established on Van Street SE south of M Street. Due to construction on Van Street, the suggested pre-game taxi drop-off location will be moved to the east curb of Half Street, SE between M Street and L Street for the 2017 season.

A postgame pick-up location was also established in front of the Lerner Building on the north curb of M Street SE. The Nationals provide three starters at the head of the queue. Taxis queue along the curb lane of westbound M Street in front of the Lerner Building and the Unit block of M Street.

10. Transportation Network Companies (TNCs)

There has been rapid growth in the use of TNCs such as black cars, Lyft, Uber, Via, and other similar companies. The potential traffic problems posed by vehicles stopping curbside in non-designated spaces prompted an analysis of potential designated locations for post-game pickup. A designated TNC ride on request postgame pick-up location will be in place on the west curb New Jersey Avenue SE between M Street and Tingey Street. DDOT will monitor operations at this location during the 2017 season to ensure satisfactory operation and make adjustments if necessary. Washington Nationals staff has worked, and will continue to work with the TNCs to encourage them to utilize this location. Figure 6 shows the location of taxi and TNC operations around Nationals Park.

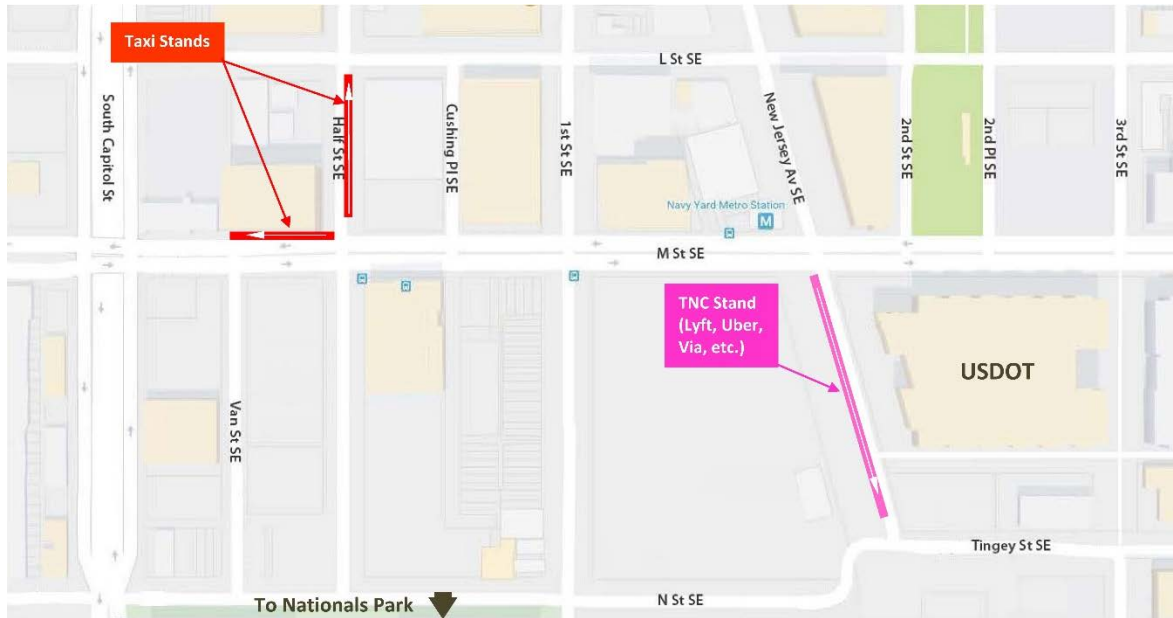


Figure 6: Pick-Up and Drop-Off Areas for Taxis and Transportation Network Companies

11. Transit: Metrorail, Metrobus, and DC Circulator Routes

Nationals Park is accessible via multiple transit options: Metrorail, Metrobus, and the Circulator.

Metrorail

Metrorail is a primary transit option. The Green, Orange, Blue, and Silver lines all serve Nationals Park. Table 9 provides a summary of Metrorail service to the ballpark area and Figure 7 shows the stations in relation to Nationals Park.

Table 9. Summary of Metrorail Service to Ballpark Area

Station	Line	Entrance/Exit Location(s)	Distance from Ballpark	Estimated Walk Time	Last Train (3 hours later on Fri. & Sat.)
Navy Yard-Ballpark	Green	Half Street just south of M Street SE New Jersey Avenue and M Street SE	0.3 miles	5 minutes	Branch Avenue – 12:17AM Greenbelt – 11:39PM (no Red Line transfer possible)
Waterfront	Green	M Street SW near the intersection with 4 th Street SW	0.7 miles	10-15 minutes	Branch Avenue – 12:15AM Greenbelt – 11:41PM (no Red Line transfer possible)
Capitol South	Blue Orange Silver	First Street SE, near the intersection of C Street SE	1.0 miles	15-20 minutes	Franconia Springfield – 11:44PM Largo Town Center – 12:15AM New Carrollton – 12:03 AM Vienna/Fairfax-GMU – 11:55PM Wiehle/Reston East – 11:31PM

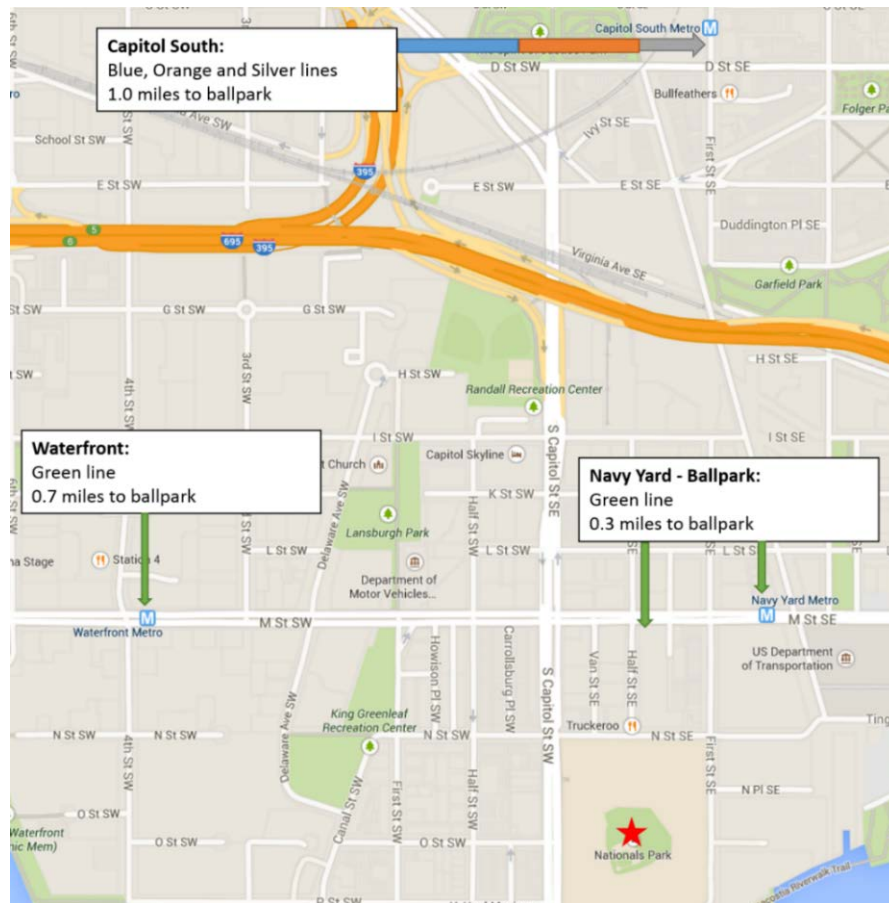


Figure 7. Metrorail Stations Serving Ballpark Area

Metrobus

Several WMATA Metrobus routes serve Nationals Park: 74, P6, and V4. Several limited service routes also serve the Ballpark. Nationals' fans should consult WMATA timetables for these routes to determine whether they meet their transport needs. These routes are V1, A9, A42, A46, and A48. Table 10 provides a summary of the times when each route operates. Web links are provided below to access a map and timetable for each route. Each route has specific start and end times depending on direction and stop (some lines have multiple stops in the vicinity of the ballpark).

Table 10. Metrobus Routes Serving Nationals Ballpark

Route #	Route Map & Timetable	Weekday Schedule Description	Weekend Schedule Description
Regular Routes			
74	Link to Timetable	Approximately every 20 minutes from 4:45AM to 6:40AM Every 12 to 15 minutes from 6:40AM to 6:50PM Approximately every 20 minutes from 6:50PM to midnight	Every 20 to 30 minutes
P6	Link to Timetable	Every 15 to 20 minutes from 5:40AM to midnight	Every 30 minutes
V4	Link to Timetable	Every 15 to 30 minutes from 4:40AM to 2:20AM (about 21.5 hours of service daily)	Saturday: Approximately every 30 minutes from 5:00AM to 2:10AM Sunday: Approximately every 30 minutes from 5:00AM to 1:00AM
Limited Service Routes			
V1	Link to Timetable	Approximately every 30 minutes from 5:30AM to 9:20AM westbound and every 20 minutes from 3:10PM to 7:15PM eastbound	No weekend service
A9	Link to Timetable	Limited stop service, useful for Ballpark attendees departing from downtown on weekdays between 3:35PM and 6:52 PM	No weekend service

DC Circulator

The DC Circulator is a link to cultural, entertainment and business destinations within the city's central core and District neighborhoods. Currently, there are six Circulator routes in all, providing easy connections to neighborhoods throughout the District and into Rosslyn, Virginia. The "Union Station – Navy Yard" Circulator route is the route that Nationals fans should be encouraged to use. Navy Yard route hours are as follows:

Summer Hours (April through September)

- Weekdays from 6:00 am to 9:00 pm
- Saturdays from 7:00 am to 9:00 pm
- Extended service on Nationals game days
 - For every game beginning after 6:00 pm, the Union Station—Navy Yard route will operate until midnight
 - For Sunday home games, the route will operate from 11:00 am to 9:00 pm

A map of the DC Circulator system can be found here:

<http://www.dccirculator.com/ride/rider-tools/interactive-map/>

12. Bicycle Transportation

DDOT has a well-established and very successful bicycle program that is committed to providing safe and convenient bicycle access throughout the District. DDOT has created approximately 79 miles of marked bike lanes and has 240 of the 440 bike share stations in the regional Capital Bikeshare system (DC, Maryland, Virginia,). Web links are provided below to access a map showing bicycle facilities near Nationals Park. There is also bicycle parking available at Nationals Ballpark for attendees who use their own bicycles to travel.

The full Washington, DC bicycle map can be found here: <http://ddot.dc.gov/node/476562>

The bicycle map of the area immediately around the Nationals Ballpark can be found here: http://ddot.dc.gov/sites/default/files/dc/sites/ddot/publication/attachments/dc_bike_map_20_0.pdf

An interactive map of the Capital Bikeshare docks nearest Nationals Ballpark can be found by entering “Washington Nationals Park” on the map here:

<https://secure.capitalbikeshare.com/map/>.

13. Water Taxi

Fans attending Nationals games have the option of taking a water taxi to the Navy Yard area from Old Town Alexandria. This additional form of public transportation supports the goal of minimizing the number of automobile trips to the ballpark. Information can be found at:

<http://www.potomacriverboatco.com/baseball-boat.php>

14. Land Development and Road Construction

As the area surrounding Nationals Park and nearby areas undergoes significant development, it is important to understand how these projects may impact game day traffic operations.

Restrictions on Work in Public Space

All private development projects and any work requiring occupancy of public space associated with these projects or for other uses are subject to additional limitations, conditions, and

restrictions based on the traffic operations and parking plan needs for events occurring at Nationals Park. The projects subject to these limitations, conditions, and restrictions include any public space work within the following boundaries:

- To the north: I-395/I-695
- To the south: Anacostia River
- To the west: 9th Street/Maine Avenue [wharf area in SW]
- To the east: 11th Street, SE/I-695

Projects within these geographic boundaries must cease all work in public space at least three hours before the announced start of any home Washington Nationals baseball game and three hours before the announced start time of any concerts and other public events. These restrictions will remain in place until two hours after Nationals Park events.

In addition to ceasing all work in public space, all temporary material in public space that is installed and removed for each work day (e.g. traffic control devices for temporary work zones) must be removed from public space at least three hours before the announced start times as noted above for both Nationals home games and for any concerts and other public events scheduled for Nationals Park. Also all vehicle traffic accessing the site must be completed and the last vehicle of the day must have exited the work site at least three hours before the announced start times for Washington Nationals home games, concerts, and other Nationals Park events.

A list of affected project locations can be obtained from DDOT's Public Space Regulations Administration.

15. Conclusion

The purpose of this Traffic Operations and Parking Plan is to identify key actions, resources, and strategies designed to help facilitate travel by large crowds to and from baseball games, concerts, and other special events held at Nationals Park. This document is a "working document" – and as such may be updated or edited throughout the season as conditions change. But in the end, each stakeholder that is responsible for a piece of this plan will need to work together in order to effectively manage safe and efficient access to the Park for events.

APPENDIX

81 Home Games in 2017 (Regular Season)

Start Time	Weekday	Weekend	July 4 (Tues)
11:05 AM	0	0	1
12:05 PM	1*	1	
1:05 PM	3*	3	
1:35 PM	0	11	
3:05 PM	0	1	
4:05 PM	7*	5	
6:05 PM	1*	0	
7:05 PM	42	5	
Total	54	26	1

* Start time or End time coincides with PM peak

Exhibition game: March 31st, 4:05 pm start

Additional Nationals Park Events Requiring Street Closures

Date	Event	Street Closure Start Time	Street Closure End Time
April 22	DC Beer Festival #1	10:30 am	8:30 pm
June 7	IPW Closing Ceremonies	6:15 pm	10:30 pm
June 15	Congressional Baseball	4:00 pm	10:30 pm
July 12	Microsoft	5:00 pm	11:00 pm
July 14	James Taylor Concert	4:00 pm	12:15 am
July 22	Spartan Race	5:00 am	11:00 pm
Nov 4	DC Beer Festival #2	10:30 am	8:30 pm

Other Special Events that Could Impact Area Roads and Metro

Date	Event
April 1-2	Cherry Blossom Beer and Wine Festival
April 8	National Cherry Blossom Festival Parade
April 15	SW Waterfront Fireworks Festival
May 13	10th Annual National Police Week 5K
May 21	The 7th Annual Semper Fi 5K
July 16-24	Citi Open
September 17	Navy-Air Force Half Marathon & Navy 5-Miler
October 22	MCM 10K

A.1 List of CCTV Camera Locations Around Nationals Park

004 DDOT – South Capitol Street and M Street
 074 DDOT – South Capitol Street and I Street
 100 DDOT – South Capitol Street and Firth Sterling Avenue
 101 DDOT – Seventh (7th) Street and Frontage SW (View for Southeast/Southwest Frwy)
 132 DDOT – Suitland Parkway and Firth Sterling Avenue SE
 134 DDOT – South Capitol Street and Potomac Avenue (Douglas Bridge)
 136 DDOT – First Street and M Street SE
 137 DDOT – First Street and N Street SE
 138 DDOT – First Street and Potomac Avenue SE
 158 DDOT – Maine Avenue and 12th Street @ the Warf

A.2 List of Signalized Intersections Around Nationals Park

ACISA 1218 – 12th Street Expressway at Ramp G SW
 ACISA 1225 – Raul Wallenberg Place and East Basin Drive SW
 ACISA 1228 – East Basin Drive and Maine Avenue SW
 ACISA 1245 – 14th Street Bridge Ramp and Maine Avenue SW
 ACISA 2171 – Half Street and M Street SW
 ACISA 2174 – 1st Street and M Street and Canal Street SW
 ACISA 2184 – 3rd Street and M Street SW
 ACISA 2193 – 4th Street and M Street SW
 ACISA 2198 – 6th Street and Maine Avenue and M Street SW
 ACISA 2200 – 7th Street and Maine Avenue SW
 ACISA 2209 – 1st Street and M Street SE
 ACISA 2226 – South Capitol and I Street (215 Interval)
 ACISA 2228 – South Capitol and M Street
 ACISA 2233 – 9th Street and Maine Avenue SW
 ACISA 2242 – M Street and Delaware Avenue SW
 ACISA 2243 – 3rd Street and M Street SW
 ACISA 2249 – M Street and Isaac Hull Avenue SE
 ACISA 2259 – 4th Street and M Street SE
 ACISA 2260 – New Jersey and M Street SE
 ACISA 2261 – South Capitol Street and Potomac Avenue
 ACISA 2262 – South Capitol Street and O Street
 ACISA 2263 – South Capitol Street and P Street
 ACISA 2264 – 1st Street and N Street SE
 ACISA 2266 – South Capitol Street and N Street
 ACISA 2267 – 1st Street and Potomac Avenue SE
 ACISA 2268 – Half Street and M Street SE
 ACISA 2277 – 12th Street, Maine Avenue and Fish Market SW
 ACISA 4009 – 3rd Street and Virginia Avenue SE (215 Phase)
 ACISA 4014 – 4th Street and Virginia Avenue (North Side) SE (215 Phase)
 ACISA 4015 – 5th Street Ramp and I Street and Virginia Avenue SE (215 Interval)
 ACISA 4020 – 6th Street and Virginia Avenue SE (215 Interval)
 ACISA 4022 – 7th Street and I Street and Virginia Avenue SE (215 Interval)

ACISA 4023 – 7th Street and K Street and Virginia Avenue SE (215 Phase)
 ACISA 4026 – 8th Street and I Street SE (215 Interval)
 ACISA 4027 – 8th Street and M Street SE
 ACISA 4029 – 8th Street and Virginia Avenue and Ramp D SE
 ACISA 4031 – 9th Street and M Street SE
 ACISA 4039 – 11th Street and M Street SE
 ACISA 4159 – Suitland Parkway and Firth Sterling Avenue SE
 ACISA 4196 – Suitland Parkway and Stanton Road SE
 ACISA 4245 – 12th Street and M Street SE (215 Interval)
 ACISA 4262 – 11th Street Boulevard and 695 Ramp D3

A.3 “Quick Schedule” in “QuicNet” System Plans

Quick Schedule: #1 – Always Force Local Schedule

Saturday 1:05 pm Games (04/15/2017; 04/29/2017; 09/16/17)

Quick Schedule: #2 - #6 (6.5 hr)

Time: 11:00 AM – 12:00 PM Plan: 8 Schedule Name: Pre-game A

Time: 12:00 PM – 13:30 PM Plan: 3 Schedule Name: Pre-game B

Time: 13:30 PM – 15:30 PM Plan: 8 Schedule Name: During Game

Time: 15:30 PM – 17:30 PM Plan: 7 Schedule Name: Post Game - A

Weekday 4:05 pm Games (*) 03/31/2017; 04/06/2017; 04/12/2017; 04/14/2017; 05/25/2017; 06/14/2017; 06/29/2017; 08/30/2017)

Quick Schedule: #7 - #11 (7 hr)

Time: 13:30 PM – 15:00 PM Plan: 8 Schedule Name: Pre-game A

Time: 15:00 PM – 16:30 PM Plan: 3 Schedule Name: Pre-game B

Time: 16:30 PM – 18:30 PM Plan: 8 Schedule Name: During Game

Time: 18:30 PM – 20:30 PM Plan: 7 Schedule Name: Post Game - A

Weekday 1:05 pm Games (04/03/17; 05/04/17; 08/16/17)

Quick Schedule: #12 - #17 (8.5 hr)

Time: 11:00 AM – 12:00 PM Plan: 8 Schedule Name: Pre-game A

Time: 12:00 PM – 13:30 PM Plan: 3 Schedule Name: Pre-game B

Time: 13:30 PM – 15:30 PM Plan: 8 Schedule Name: During Game

Time: 15:30 PM – 18:00 PM Plan: 7 Schedule Name: Post Game - A

Time: 18:00 PM – 19:30 PM Plan: 8 Schedule Name: Post Game – B

Weekday 7:05 pm Games (04/05/17; 04/10/17; 04/11/17; 04/28/17; 05/02/17; 05/03/17; 05/10/17; 05/11/17; 05/12/17; 05/23/17; 05/24/17; 05/26/17; 06/09/17; 06/12/17; 06/13/17; 06/23/17; 06/26/17; 06/27/17; 06/28/17; 07/05/17; 07/06/17; 07/07/17; 07/25/17; 07/26/17; 07/28/17; 08/07/17; 08/08/17; 08/09/17; 08/10/17; 08/11/17; 08/15/17; 08/25/17; 08/28/17; 08/29/17; 09/07/17; 09/08/17; 09/12/17; 09/13/17; 09/14/17; 09/15/17; 09/28/17; 09/29/17)

Quick Schedule: #18 - #23 (8.5 hr)

Time: 14:30 PM – 16:00 PM Plan: 6 Schedule Name: Pre-game A

Time: 16:00 PM – 18:00 PM Plan: 8 Schedule Name: Pre-game B

Time: 18:00 PM – 19:30 PM Plan: 3 Schedule Name: During Game

Time: 19:30 PM – 21:30 PM Plan: 8 Schedule Name: Post Game – A

Time: 21:30 PM – 23:00 PM Plan: 7 Schedule Name: Post Game – B

Sunday 1:35 pm Games (04/16/17; 04/30/17; 05/14/17; 05/28/17; 06/25/17; 07/09/17; 07/30/17; 08/13/17; 08/27/17; 09/10/17; 09/17/17; 10/01/17 (3:05pm)

Quick Schedule: #24 - #28 (6.5 hr)

Time: 11:30 AM – 12:30 PM Plan: 8 Schedule Name: Pre-game A

Time: 12:30 PM – 14:00 PM Plan: 3 Schedule Name: Pre-game B

Time: 14:00 PM – 16:00 PM Plan: 8 Schedule Name: During Game

Time: 16:00 PM – 18:00 PM Plan: 7 Schedule Name: Post Game - A

Saturday 7:05 pm Games (05/13/17; 07/29/17; 08/12/17; 09/09/17; 09/30/17)

Quick Schedule: #29 - #33 (6 hr)

Time: 17:00 PM – 18:00 PM Plan: 8 Schedule Name: Pre-game A

Time: 18:00 PM – 19:30 PM Plan: 3 Schedule Name: Pre-game B

Time: 19:30 PM – 21:30 PM Plan: 8 Schedule Name: During Game

Time: 21:30 PM – 23:00 PM Plan: 7 Schedule Name: Post Game - A

4:05 pm Weekend Games (Saturday 05/27/2017; 06/24/17; 07/08/17; 08/26/17 and Sunday games on 06/11/2017)

Quick Schedule: #34 - #38 (6.5 hr)

Time: 14:00 PM – 15:00 PM Plan: 8 Schedule Name: Pre-game A

Time: 15:00 PM – 16:30 PM Plan: 3 Schedule Name: Pre-game B

Time: 16:30 PM – 18:30 PM Plan: 8 Schedule Name: During Game

Time: 18:30 PM – 20:30 PM Plan: 7 Schedule Name: Post Game - A

Notes: There are two Saturday games scheduled on *06/10/2017 at 12:05 pm. Schedule for this game will be implemented following a 6.5 hour special timing coverage as used for a typical weekend game.

There are two early weekday games, scheduled on 07/04/2017 (11:05 am) and 07/27/2017 (12:05 pm). Schedules for these games will be implemented following an 8.5 hour special timing coverage as used for a typical weekend game.

There is a weekday game scheduled on *07/03/2017 at 6:05 pm. Schedules for this game will be implemented following a 6.5 hour special timing coverage as used for a typical weekend game.

(*) Exhibition games

Signal Cycle Summary For Above Plans:

Plan 6 – 80/120/150 sec combinations

Plan 7 – 120/180 sec combinations

Plan 8 – 120/150 sec combinations

Plan 3 – 150 sec