

CITY OF BIRMINGHAM
ADVISORY PARKING COMMITTEE
CITY COMMISSION ROOM
151 MARTIN ST., BIRMINGHAM, MI
(248) 530-1850
REGULAR MEETING AGENDA
WEDNESDAY, FEBRUARY 5, 2020, 7:30 A.M.

1. ROLL CALL
2. RECOGNITION OF GUESTS
3. APPROVAL OF MINUTES, MEETING OF JANUARY 8, 2020
4. PROJECT UPDATES –
 - a. STRUCTURAL ASSESSMENT PROGRAM
 - b. MOBILE PARKING APPLICATION
 - c. EVENING METERS LIMITS – 4 HOURS
 - d. MONTHLY PERMIT SALES
5. N. OLD WOODWARD DECK – FAÇADE REMOVAL PROJECT UPDATE
6. DOWNTOWN PARKING SURVEY - DRAFT
7. FUTURE PARKING DEMAND STRATEGY – DISCUSSION
8. PARKING UTILIZATION REPORT AND FINANCIALS
9. MEETING OPEN FOR MATTERS NOT ON THE AGENDA
10. NEXT MEETING: MARCH 4, 2020 @ 7:30 AM

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Las personas con incapacidad que requieren algún tipo de ayuda para la participación en esta sesión pública deben ponerse en contacto con la oficina del escribano de la ciudad en el número (248) 530-1800 o al (248) 644-5115 (para las personas con incapacidad auditiva) por lo menos un día antes de la reunión para solicitar ayuda a la movilidad, visual, auditiva, o de otras asistencias. (Title VI of the Civil Rights Act of 1964).

City of Birmingham
ADVISORY PARKING COMMITTEE
REGULAR MEETING

Birmingham City Hall Commission Room
151 Martin, Birmingham, Michigan
Wednesday, January 8, 2020

MINUTES

These are the minutes of the Advisory Parking Committee ("APC") regular meeting held on Wednesday, January 8, 2020. The meeting was called to order at 7:30 a.m. by Vice-Chairwoman Gayle Champagne.

1. ROLLCALL

Present: Vice-Chairwoman Gayle Champagne
Richard Astrein
Steven Kalczynski
Lisa Krueger
Judith Paskiewicz (arrived 7:35 a.m.)
Lisa Silverman
Jennifer Yert

Absent: Chairman Al Vaitas
Anne Honhart
Michael Horowitz

SP+ Parking: Jay O'Dell
Sarah Burton

In House Valet: Steve Ferich

Administration: Tiffany Gunter, Asst. City Manager
Michael Albrecht, Police Commander
Laura Eichenhorn, Transcriptionist

2. RECOGNITION OF GUESTS (none)

3. MINUTES OF REGULAR APC MEETING OF NOVEMBER 6, 2019

Motion by Ms. Yert

Seconded by Ms. Krueger to approve the minutes of the regular APC meeting of November 6, 2019 as submitted.

VOICE VOTE

Yeas: Yert, Krueger, Champagne, Silverman, Astrein, Kalczynski

Nays: None

Motion carried, 6-0.

4. PROJECT UPDATES

a. STRUCTURAL ASSESSMENT PROGRAM

ACM Gunter presented the item.

b. PARKING APPLICATION

ACM Gunter explained that the mobile application had the on-street feed but had not yet been set up with the off-street feed. She said once that was complete the application could go into beta testing.

Mr. O'Dell of SP+ reviewed the application's planned features.

c. EVENING METERS LIMITS – 4 HOURS

Police Commander Albrecht said the City is waiting for the parking meter programming to be updated in order to allow for four hour parking in the evening. He explained that once the programming is set, it will be unrolled to a test group of 20 parking meters first and then to a group of 120 parking meters after that. The 120 meters will be located along Old Woodward from Willits to Brown.

d. MONTHLY PERMIT SALES

Ms. Burton presented the item.

e. ROOF TOP VALET REFINEMENT

ACM Gunter presented the item.

5. LOT 6 VALET DEMONSTRATION PERIOD RESULTS

ACM Gunter introduced the item. She stated that one of the merchants in the area contacted Chairman Vaitas to let him know that said merchant would be comfortable only having the valet in operation during the holidays, and that there was no need to operate it year-round. ACM Gunter also confirmed that the City keeps an eye on parking congestion in the area and could institute more valet in the area in the future if circumstances change.

Mr. Ferich reviewed the item.

ACM Gunter stated this item was not an action item as was indicated in the agenda, and that this topic required no action from the APC at this time.

6. FUTURE PARKING DEMAND STRATEGY – DISCUSSION

- a. ALTERNATIVES MATRIX
- b. PARKING DEMAND AND PERMIT SALES
- c. PARKING MITIGATION PLAN
- d. METERED PARKING: EVENING LIMITS

ACM Gunter presented the item.

Mr. Kalczynski commented that the dynamics of parking in the City will be shifting dramatically in the City over the course of the next two years. He cited a new hotel being built in the City and the residential and retail being built on N. Old Woodward. He opined that the APC could try to devise a parking strategy now, but that the City would be seeing such impactful changes in parking demand over the next two years that the strategy may not address future parking necessities.

ACM Gunter explained that the strategy the City develops now would include a range of options for various possible parking scenarios the City could see over the next few years. She noted, for example, that the City cannot yet convince people coming into town to park elsewhere and take a bus into Birmingham because there is still parking available in the City. She said that once that saturation point is reached, however, one of the options the APC could consider is the combination of busing and offsite lots.

Ms. Krueger asked if the City is looking into how to maximize space in the surface lots.

ACM Gunter said she would speak with the DPS Director to see if snow could be plowed and stored somewhere outside of the surface lots in order to retain the maximum number of parking spaces possible in the winter months.

Dr. Paskiewicz and Dr. Silverman asked whether ensuring commuter access to monthly parking should be considered the most important goal of the APC.

ACM Gunter noted that commuters are the largest group using the Birmingham parking system. She explained that other parking stakeholders, like residents or customers, will only have their parking needs managed effectively if the commuter demand on the parking system is managed effectively. Once commuter demand is well managed, issues of other stakeholders' demands on the parking system will be less difficult. Parking rules implemented towards that end include prohibiting long-term parking on the first floor of garages, and prohibiting long term parking in front of certain businesses during the day.

Given this answer, Dr. Silverman suggested that it would be worth considering if 'ensuring commuter access' could be reframed more as addressing the management of commuter parking demand.

Ms. Krueger noted that commuters are also shoppers and diners, and that their contribution to the economic vitality of the downtown should not be underplayed.

In response to Mr. Kalczynski, Mr. O'Dell estimated that about 70% of the monthly permit passes are used by holders to park in the City on an average day.

ACM Gunter continued that everyone should have fair, accessible, and safe parking in downtown Birmingham, and to that end the City would be working with the APC on a survey that will clarify Birmingham parking needs. The APC will be provided a preliminary version of the survey in advance of their February 5, 2020 meeting, and will be able to provide feedback on it during their February 5, 2020 meeting.

7. PARKING UTILIZATION REPORT AND FINANCIALS

Included in agenda.

8. MEETING OPEN FOR MATTERS NOT ON THE AGENDA

On occasion community members broach APC-related concerns with APC individual members outside of meeting times. While APC members are allowed to voice their private opinions regarding such matters as long as they do not presume to represent the APC, sometimes it is necessary for the APC to address the concern as a whole.

To address these concerns without violating the Michigan Open Meetings Act (O.M.A.) the APC concurred it would be best to have Chairman Vaitas invite the concerned community member via email to the next APC meeting for a discussion of the matter. Chairman Vaitas would also copy all APC members on that email to be sure they were aware of the upcoming discussion.

ACM Gunter said she would verify the number of APC members that could meet as part of a subcommittee without violating the O.M.A. She also advised APC members that she would be happy to field any parking-related informational questions or concerns from community members. If the issue is more complicated, Chairman Vaitas should invite the community member to an APC meeting for a discussion.

9. NEXT MEETING: FEBRUARY 5, 2020

10. ADJOURNMENT

No further business being evident, the meeting adjourned at 9:12 a.m.

Assistant City Manager Tiffany Gunter

DATE: February 5, 2020

TO: Advisory Parking Committee

FROM: Tiffany J. Gunter, Assistant City Manager

SUBJECT: Parking Project Updates

There are several parking projects in process, for which staff wanted to provide status updates. These are the structural assessment project of the parking garages, progress on the mobile parking application, initiation of the evening meter limits being expanded to four hours, monthly permit sales, and an assessment of providing first floor drop off for the roof-top valet program. The following provides brief project updates for each of these initiatives.

Structural Assessment Program – Five Parking Garages

The engineering consultant, WJE and the City officially executed the contract on December 16, 2019 and began preparing the work program immediately. The initial drainage assessment of the Pierce Street deck has been completed. The following is a bulleted list of what we've learned to date. To get a final recommendation and develop a full scope for the repair our plumbers will need to return with JET and Pump truck to attempt cleaning and removal of materials from the storm sewer main lines and man holes so that we are able to complete the assessment in areas where we could not obtain a visual.

- Televising these lines to inspect condition and cleaning of pipelines and structures.
- One storm man hole, located in the lower level sidewalk was accessed and inspected. A void was found on the curb facing side of this structure and should be repaired.
- If the storm main pipe lines cannot be sufficiently cleaned with high pressure water, we will move forward with an alternative which will include replacement of the entire storm water system.
- The exposed storm water pipe, exposed and visible in the lower levels, were found to be in a state of advanced decay and will need to be replaced.
- The underground sections of these lines could not be cleaned with JET or Cable equipment. They are blocked with a solid mixture of steel rust/scale and minerals from salt runoff. These runs of pipe will need to be replaced from the stack to the main storm line to provide a long term dependable storm water drainage system.

To summarize, the risers (stack) on the bottom floor and the branch lines from the risers to the main sewer lines appear to be in poor condition and are likely going to need to be replaced. They were not able to sufficiently access the main sewer lines – once they can access (by having the rusted shut manholes opened up) they can assess whether the main lines can be cleaned out or if they will need to be replaced.

The WJE team was asked to redirect their full attention to the N. Old Woodward parking structure to address an incident that occurred with the precast façade surrounding the deck. They have made progress on visual observations at other garages, but have not had the opportunity to report on their findings due to the shift in focus. More observations will be shared at the March meeting.

Mobile Parking Application

An update will be provided at the meeting.

Evening Meter Limits – 4 Hours

Programming to expand to the four-hour evening limits continues to be a work in progress. The reprogramming took place over the weekend of 2/1/2020 that is being evaluated and the results of the most recent effort will be shared at the meeting.

Monthly Permit Sales

Overall, 268 members on the waitlist have accepted the discounted pass while 213 have refused. The waitlist has been reduced by 481 unique individuals so far. Sales at Peabody garage have begun. The remaining permits authorized for sale at Chester and Pierce are being sold currently and staff continues to monitor occupancy. Thus far, overall occupancy has remained steady.

Signage at Entry/Exit Gates

Signage has been ordered to improve credit card usage instructions and information regarding the roof top valet and is expected to be installed within the next two-three weeks.



MEMORANDUM

Office of the City Manager

DATE: February 5, 2020

TO: Advisory Parking Committee

FROM: Tiffany J. Gunter, Assistant City Manager

SUBJECT: Emergency Repair – N. Old Woodward Parking Structure Façade Repair Work

On Tuesday, January 28, 2020 a portion of the concrete façade surrounding the N. Old Woodward structure fell from the first floor and damaged the hood a vehicle that was attempting to exit the structure at the gates on the north side of the structure. Staff worked with engineers and contractors throughout the week to establish a plan and proposal to address this issue comprehensively to ensure no further incidents occur at this site. The area surrounding the structure has been secured to mitigate that chance of further incidents until the repair work can be completed. The engineers and contractors have confirmed that the façade system provides no support for the concrete slabs within the structure that handle vehicle traffic. The existing façade system serves the purpose of being both a design feature and vehicle barrier system.

On Saturday, February 1, 2020, the Commission voted to authorize contracts with the engineering firm WJE Engineers and Architects, PC to design the vehicle barrier cable system that will secure the structure and with DRV Contractors to remove the existing façade and install the new vehicle barrier system for the N. Old Woodward garage. The contractor began work on Monday, February 3, 2020 and work will take approximately two to three months.

The current occupancy at N. Old Woodward garage is nearly 95-100% during the week. The work would begin on the north side of the structure and approximately 140 parking spaces will be lost. Staff has been in communication with an employer with the highest number of monthly permits to determine their willingness to relocate their regular 120 parkers to Chester for the duration of the project. We know that approximately half of them will relocate and are continuing discussion to increase that number. Chester has consistent available capacity and can handle the increased traffic.

In July 2019, a preliminary visual observation of the façade system was conducted by WJE Engineers and Architects, PC. They identified pillars that had excessive corrosion and identified 13 pillars that required “immediate attention.” The pillar that failed on Tuesday, January 28 was not one of those pillars that had been identified. WJE was on-site Wednesday, January 29 to inspect the fallen pillar and the location from which it fell. They determined that the failure occurred due to corrosion of the steel components

embedded within the precast panel that are not visible from the outside. It is not possible to know the extent of the corrosion without assessing each individual pillar by testing samples of the concrete. As such, there is not an intermediate repair step short of full replacement that would provide the City with the assurance that no further incidents would occur.

The cost to remove the existing façade and install the vehicle barrier system at N. Old Woodward garage is \$591,000. The cost to design the vehicle barrier cable system for the structure and to provide construction observation services to confirm that the installation is consistent with the design is \$25,000.

Emails and notifications regarding the proposed work will be emailed to our monthly parkers in the garage and posted on the elevator stairwells to provide information.



MEMORANDUM

Office of the City Manager

DATE: February 5, 2020

TO: Advisory Parking Committee

FROM: Tiffany J. Gunter, Assistant City Manager

SUBJECT: Draft Parking Survey

The following draft survey document was emailed to the Committee for advanced review. To date, staff has received no feedback via email and will be discussed in the Committee session.

City of Birmingham – Downtown Parking Survey

February 2020

Introductory Letter

- Describe the downtown parking system
- March 2018 – First Survey released
- October 2018 – Parking Strategies Report Adopted
- Parking Projects (completed, on-going, and planned)
 - 3 Hour Maximum
 - Evening meter limits expanded from 2 to four hours
 - Mobile Parking application
 - Revamp parking operator agreement (benefits/perks)
 - Technology review (lighting, payment kiosks, etc)
 - Restriping and accessible parking spot upgrades
 - Amenity bays (umbrellas and air for tires, etc.)
 - Signage and interactive kiosk
 - Downtown circulator, and zip car options
 - Monthly discount passes and rate review
- Maple Road project
- Survey purpose – prioritize tasks

All Audience Questions

What is your primary connection to downtown?

- ☐ I own/operate a business there
- ☐ I own/operate one or more properties or buildings there
- ☐ I work there
- ☐ I live there (in the downtown)
- ☐ I live in Birmingham (not in the downtown)
- ☐ I am a visitor in downtown Birmingham

What overall grade would you give the parking system based on your experience?

- ☐ A - Excellent
- ☐ B - Good
- ☐ C - Satisfactory
- ☐ D - Unsatisfactory
- ☐ F - Failing
- ☐ U- Unsure/Don't Use the parking system

Please provide a grade for each of the categories below as they relate to the parking system, using the (A-F) or (U) scale

- ____ Capacity (access to available parking spaces)
- ____ Technological Features
- ____ Communications (parking widget, emails to permit holders)

The following is a list of priorities that was established as a result of the March 2018 survey. The committee is reviewing the list and wants to know which of these areas is most important to you.

Please rank them in order of priority from 1-5, with one being the highest priority and 5 being the lowest.

- ____ Ensure Commuter Access to Monthly Parking
- ____ Future Growth/Increased Capacity (i.e. new parking facilities)
- ____ Improve Visitor Access to Short Term Parking
- ____ Maximize Existing Parking Capacity
- ____ Operations and Management of the system
- ____ Technological Innovation (i.e. new equipment for garage gateways/meters)

Please review the following list of tasks the Advisory Parking Committee is currently working on.

Answer (Yes/No) if you wish for these programs to either continue with implementation/existing operation or be placed on the back burner for now:

- Y/N Increase discount permit sales for garages
- Y/N Provide more visitor parking options
- Y/N Refine the roof-top valet program
- Y/N Introduce zip cars in City garages
- Y/N Continue City sponsored on-street valet program
- Y/N Upgrade parking technology
- Y/N Continue capital improvement program to ensure safety and longevity of existing infrastructure

Please add any additional comments that you believe will provide guidance to the Advisory Parking Committee:

Thank you for taking time to participate in this survey. Given the high-paced environments many of us find ourselves in, we know that no one really wants a survey that takes longer than two-minutes to complete. However, if by chance you have a few additional minutes today, please click the next button to answer additional questions and provide additional insights based on the category you chose to identify as your primary connection to downtown.

BUSINESS OPERATOR QUESTIONS

Do you provide parking as a benefit to your employees?

- ☐ Yes
- ☐ No

Would your employees willingly use an off-site parking lot and dedicated shuttle to downtown, if the City were able to fund this as a free or deeply discounted parking option?

- ☐ Yes
- ☐ No
- ☐ Maybe
- ☐ Yes, but only if it were free

Do your employees feel secure when utilizing the downtown parking system?

- ☐ Yes
- ☐ No

What is your primary concern regarding the state of parking in downtown (Select only the most pressing concern)

- ☐ The cost of parking for my customers/visitors
- ☐ The availability of parking for my customers/visitors
- ☐ The cost of parking for my employees
- ☐ The availability of discounted monthly permits for my employees
- ☐ Other, please specify:

PROPERTY OWNER QUESTIONS

What type of property do you own?

- ☐ Commercial property
- ☐ Residential property
- ☐ Mixed-Use (i.e. some combination of residential and commercial use)

Do you provide parking for your tenants?

- ☐ Yes, by providing parking on-site
- ☐ Yes, by providing a discounted permit or daily validation to a City garage
- ☐ Yes, through a shared parking agreement with other property owners
- ☐ Yes, some combination of the above
- ☐ No

What is your primary concern regarding the state of parking in downtown (Select only the most pressing concern):

- ☐ The cost of parking for my tenants
- ☐ The availability of parking for my tenants
- ☐ The cost of parking for visitors to the downtown
- ☐ The availability of discounted monthly permits for my tenants
- ☐ Other, please specify:

DOWNTOWN EMPLOYEE QUESTIONS

Where do you usually park when you work downtown?

- ☐ On-street in downtown
- ☐ On street in a residential neighborhood (your responses are confidential)
- ☐ A public parking deck or surface lot in the downtown
- ☐ A private parking deck or surface lot in the downtown
- ☐ I don't park (I usually carpool, walk, bike, or use public transit)

Does your employer provide parking (in full or in part) as a benefit?

- ☐ Yes
- ☐ No

If not, do you currently have a monthly discounted permit for a City garage or surface lot?

- ☐ Yes
- ☐ No
- ☐ N/A

Would you opt to use an off-site parking lot and dedicated shuttle to downtown, if the City were able to fund this as a free or deeply discounted parking option?

- ☐ Yes
- ☐ No
- ☐ Maybe
- ☐ Yes, but only if it were free

What is your primary concern regarding the state of parking in downtown (Select only the most pressing concern):

- ☐ The cost of parking
- ☐ The availability of parking on-site
- ☐ The availability and proximity of parking off-site
- ☐ The availability of discounted monthly permits
- ☐ Other, please specify:

DOWNTOWN RESIDENT QUESTIONS

Do you own a vehicle that is parked regularly in Downtown Birmingham?

- ☐ Yes
- ☐ No

Where do you park your vehicle?

- ☐ Private resident lot/garage
- ☐ City owned garage or surface lot
- ☐ On-Street
- ☐ Other: _____

Where do you instruct guests to park when they visit you at home?

- ☐ Private lot/garage
- ☐ On-Street
- ☐ City owned structure
- ☐ Other: _____

Do your guests complain about their parking experience during/after visiting?

- ☐ Yes
- ☐ No
- ☐ N/A

What is your primary concern regarding the state of parking in downtown (Select only the most pressing concern):

- ☐ The cost of parking
- ☐ The availability of parking on-site to accommodate my vehicle(s) and guests
- ☐ Other, please specify:

RESIDENT (NOT IN THE DOWNTOWN) QUESTIONS

Do you visit the downtown regularly?

- ☐ Yes, frequently
- ☐ Yes, infrequently
- ☐ No

If yes, what option do you exercise most often for travel?

- ☐ Drive and park at an on-street meter in downtown
- ☐ Drive and park, using a public parking deck or surface lot in the downtown
- ☐ Drive and park, using a private parking deck or surface lot in the downtown
- ☐ I don't drive (I usually carpool, walk, bike, or use public transit)

When do you usually visit downtown Birmingham? (Select only one)

- ☐ Weekday, Daytime
- ☐ Weekday, Evening
- ☐ Weekend, Daytime
- ☐ Weekend, Evening
- ☐ All of the above

What is your most common reason for visiting downtown? (Select only one)

- ☐ Business
- ☐ Recreation (Parks, playground, etc.)
- ☐ Dining
- ☐ Shopping
- ☐ Other: _____

Do you find it difficult to park in downtown Birmingham?

- ☐ Yes
- ☐ No

What areas have been most frustrating to you when parking downtown? Check all that apply.

- ☐ Availability of parking spaces
- ☐ Technology (credit card readers)
- ☐ Customer Service
- ☐ Other: _____

What do you like about parking in the downtown?

- ☐ City Sponsored On-Street Valet Program
- ☐ Visitor Parking Only Level in City Garages
- ☐ Availability of parking spaces
- ☐ Payment options for parking
- ☐ Customer Service
- ☐ Other: _____

VISITOR TO DOWNTOWN BIRMINGHAM QUESTIONS

Do you visit the downtown regularly?

- ☐ Yes, frequently
- ☐ Yes, infrequently
- ☐ No

If yes, what option do you exercise most often for travel?

- ☐ Drive and park at an on-street meter in downtown
- ☐ Drive and park, using a public parking deck or surface lot in the downtown
- ☐ Drive and park, using a private parking deck or surface lot in the downtown
- ☐ I don't drive (I usually carpool, walk, bike, or use public transit)

What is your most common reason for visiting downtown? (Select only one)

- ☐ Business
- ☐ Recreation (Parks, playground, etc.)
- ☐ Dining
- ☐ Shopping
- ☐ Other:_____

When do you usually visit downtown Birmingham? (Select only one)

- ☐ Weekday, Daytime
- ☐ Weekday, Evening
- ☐ Weekend, Daytime
- ☐ Weekend, Evening
- ☐ All of the above

Do you find it difficult to park in downtown Birmingham?

- ☐ Yes
- ☐ No

What areas have been most frustrating to you when parking downtown? Check all that apply.

- ☐ Availability of parking spaces
- ☐ Technology (credit card readers)
- ☐ Customer Service
- ☐ Other:

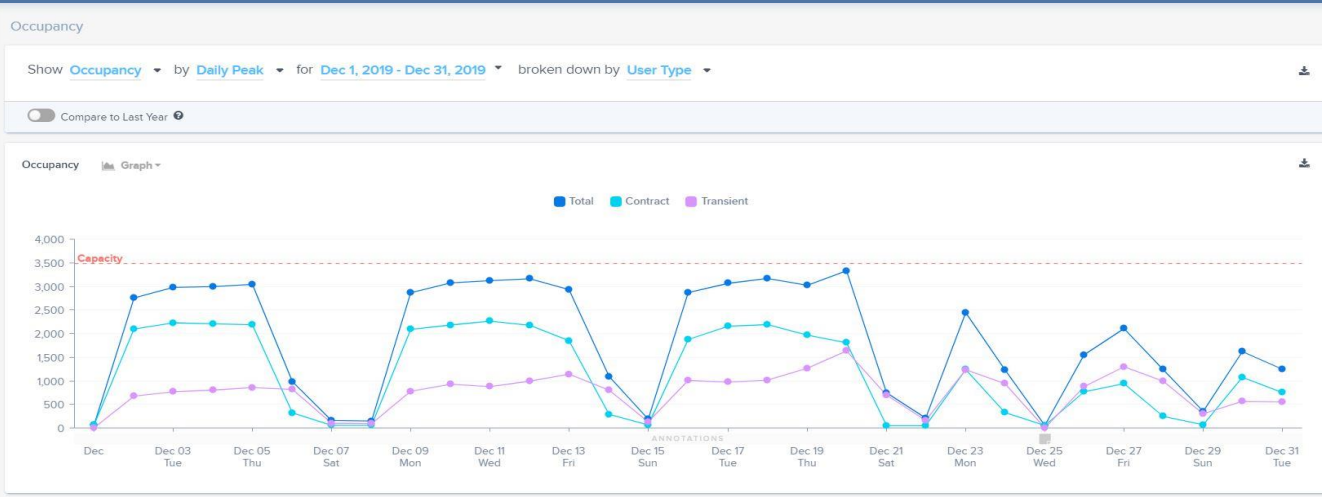
What do you like about parking in the downtown?

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- ☐ Visitor Parking Only Level in City Garages
- ☐ Availability of parking spaces
- ☐ Payment options for parking
- ☐ Customer Service
- ☐ Other:

City of Birmingham Parking Utilization Dashboard – December 2019

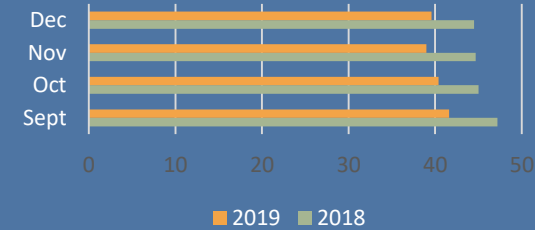
Parking Garages

OCCUPANCY

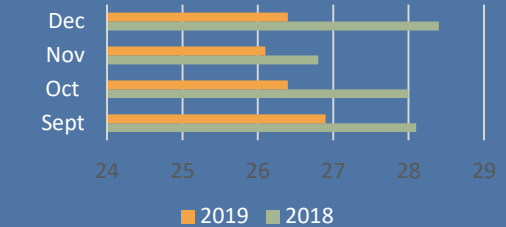


Parking Meters

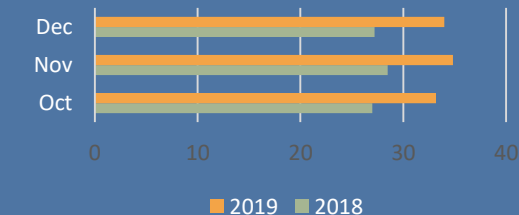
Coin



Credit



ParkMobile



DURATION



Roof Top Valet

December 2018	December 2019	Percentage Change
61	24	-61%

MONTHLY PARKING PERMIT REPORT

For the month of: December 2019

Date Compiled: January 9, 2020

	Pierce	Park	Peabody	N.Old Wood	Chester	Lot #6/\$210	Lot #6/\$150	South Side	Lot B	35001 Woodward	Lot 12	Total
1. Total Spaces	706	811	437	745	880	174	79	8	40	40	150	4070
2. Daily Spaces	370	348	224	359	425	N/A	N/A	N/A	N/A	N/A	N/A	1726
3. Monthly Spaces	336	463	213	386	560	174	79	8	30	40	150	2439
4. Monthly Permits Authorized	676	845	486	881	1218	177	40	8	30	50	225	4636
5. Permits - end of previous month	550	750	400	800	1140	150	40	8	24	50	207	4119
6. Permits - end of month	550	750	400	800	1140	170	40	8	10	50	190	4108
7. Permits - available at end of month	26	95	86	81	0	7	0	0	20	0	35	350
8. Permits issued in month includes permits effective 1st of month	101	2	0	2	79	0	0	0	0	0	0	184
9. Permits given up in month	1	2	0	2	1	0	0	0	0	0	0	6
10. Net Change	100	0	0	0	78	0	0	0	0	0	0	178
11. On List - end of month*	1148	1462	1345	1644	994	0	0	0	0	22	0	6615
**On List-Unique Individuals												3722
12. Added to list in month	4	5	5	2	2	0	0	0	0	0	0	18
13. Withdrawn from list in month (w/o permit)	2	0	22	0	0	0	0	0	0	0	0	24
14. Average # of weeks on list for permits issued in month	143	82	141	126	57	0	0	0	0	0	0	109.8
15. Transient parker occupied	260	224	128	203	112	N/A	N/A	N/A	N/A	N/A	N/A	927
16. Monthly parker occupied	321	479	293	523	615	N/A	N/A	N/A	N/A	N/A	N/A	2231
17. Total parker occupied	581	703	421	726	62	N/A	N/A	N/A	N/A	N/A	N/A	3158
18. Total spaces available at 1pm on Wednesday 11/11	125	108	16	19	153	N/A	N/A	N/A	N/A	N/A	N/A	421
19. "All Day" parkers paying 5 hrs. or more												
A:Weekday average.	232	217	121	149	67	N/A	N/A	N/A	N/A	N/A	N/A	786
B:*Maximum day	N/A*	N/A*	N/A*	N/A*	N/A*	N/A	N/A	N/A	N/A	N/A	N/A	0
20. Utilization by long term parkers	N/A*	N/A*	N/A*	N/A*	N/A*	N/A	N/A	N/A	N/A	N/A	N/A	#DIV/0!

(1) Lot #6 does not have gate control, therefore no transient count available

(2) (Permits/Oversell Factor + Weekday Avg.) / Total Spaces

* Average Maximum day not available currently in Skidata

** Unique individuals represent the actual number of unique people on the wait list regardless of how many structures they have requested.

**Birmingham Parking System
Transient & Free Parking Analysis
Months of December 2018 & December 2019**

December 2018

GARAGE	TOTAL CARS	FREE CARS	CASH REVENUE	% FREE
PEABODY	19,714	10,745	\$45,894.00	55%
PARK	20,695	8,803	\$48,373.00	43%
CHESTER	5,991	2,032	\$68,689.00	34%
WOODWARD	12,168	6,254	\$29,256.00	51%
PIERCE	24,921	11,040	\$72,204.00	44%
TOTALS	83,489	38,874	\$ 264,416.00	47%

December 2019

GARAGE	TOTAL CARS	FREE CARS	CASH REVENUE	% FREE
PEABODY	16,651	8,499	\$ 29,193.00	51%
PARK	19,472	7,116	\$ 56,578.00	37%
CHESTER	5,047	1,997	\$ 40,721.00	40%
WOODWARD	11,921	5,373	\$ 33,393.00	45%
PIERCE	22,580	9,564	\$ 67,805.00	42%
TOTALS	75,671	32,549	\$ 227,690.00	43%

BREAKDOWN:	TOTAL CARS	-9%
	FREE CARS	-16%
	CASH REVENUE	-14%