



# BETHLEHEM PARKING AUTHORITY

WALNUT STREET GARAGE - PARKING DISPLACEMENT PLAN  
(DRAFT)

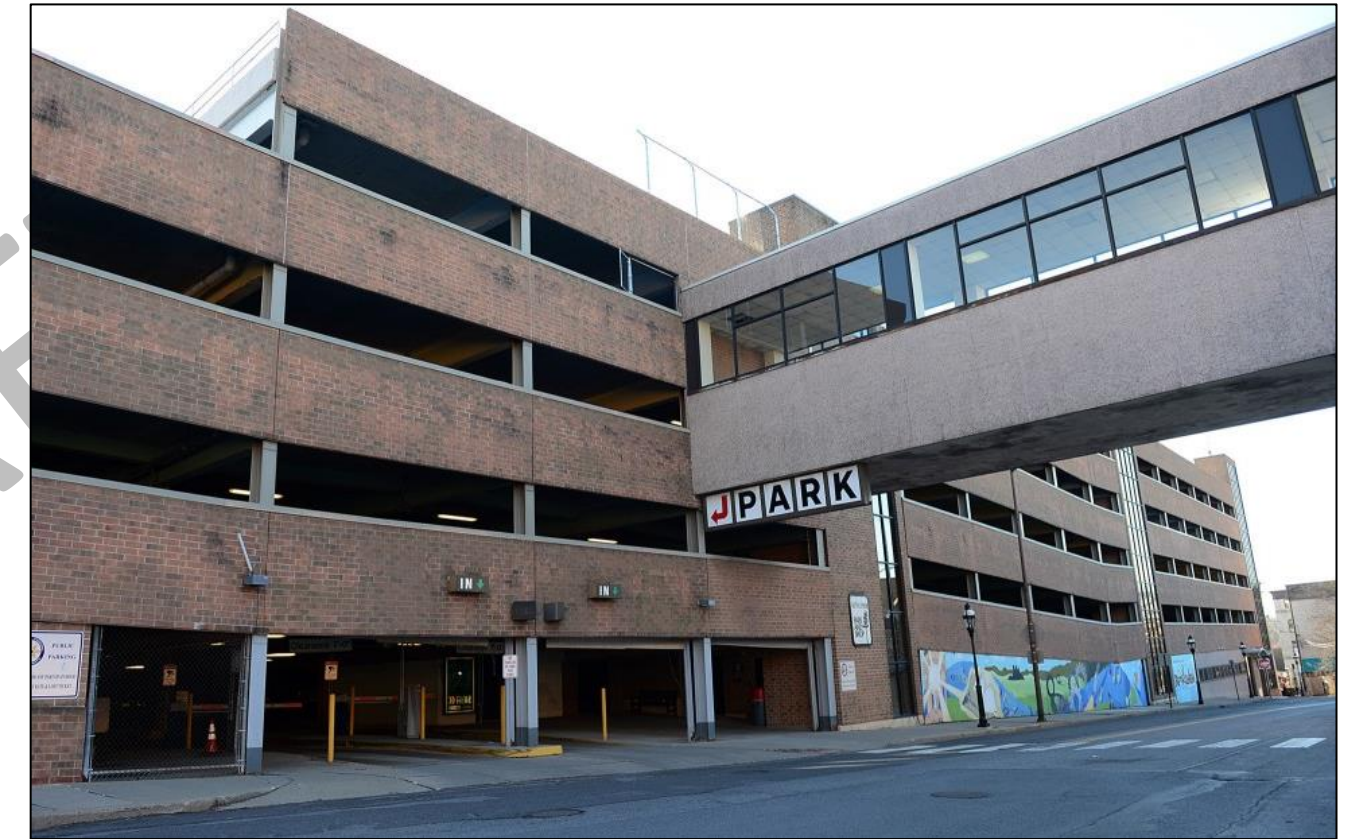
September 7, 2023



# WSG REPLACEMENT & REDEVELOPMENT

**The Bethlehem Parking Authority (the “BPA”)** will demolish the 50-year-old Walnut Street Garage (WSG) and replace with a new parking facility that will also make a portion of the site available for mixed-use development.

- WSG has approached the end of its useful life and further capital maintenance is increasingly cost prohibitive.
- The new WSG will replace parking for existing users, provide an efficient, state of the art parking facility to support local businesses, and support the adjacent new development.
- To lessen the impacts of the garage’s demolition and construction of the new garage, BPA has developed an interim displacement parking plan to accommodate WSG permit holders and transient parkers.

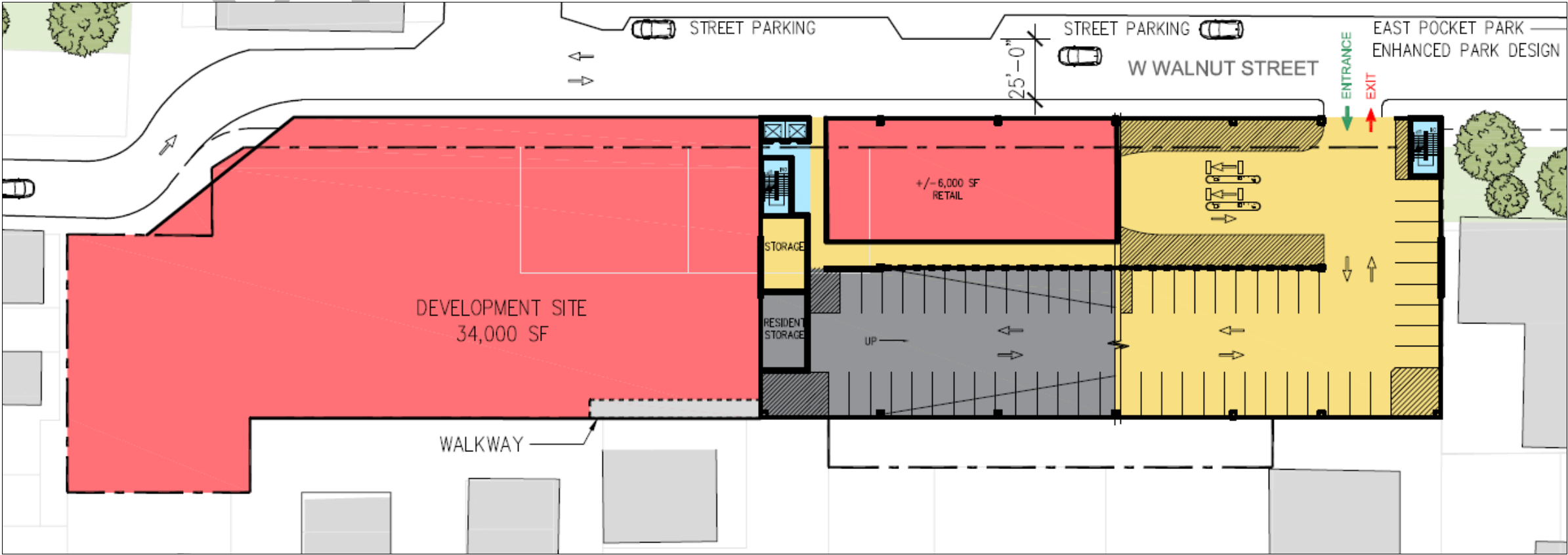


# WSG REPLACEMENT & REDEVELOPMENT



# WSG DEMOLITION & REPLACEMENT - TENTATIVE PROJECT SCHEDULE

| SCHEDULE PHASE                        | 2024 |   |   |   |   |   |   |   |   |    |    |    | 2025 |   |   |   |   |   |   |   |   |    |    |    |
|---------------------------------------|------|---|---|---|---|---|---|---|---|----|----|----|------|---|---|---|---|---|---|---|---|----|----|----|
|                                       | 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GARAGE DEMOLITION                     |      |   |   |   |   |   |   |   |   |    |    |    |      |   |   |   |   |   |   |   |   |    |    |    |
| GARAGE CONSTRUCTION                   |      |   |   |   |   |   |   |   |   |    |    |    |      |   |   |   |   |   |   |   |   |    |    |    |
| TEMPORARY<br>CERTIFICATE OF OCCUPANCY |      |   |   |   |   |   |   |   |   |    |    |    |      |   |   |   |   |   |   |   |   |    |    |    |
| PERMANENT<br>CERTIFICATE OF OCCUPANCY |      |   |   |   |   |   |   |   |   |    |    |    |      |   |   |   |   |   |   |   |   |    |    |    |



# WSG DISPLACEMENT PARKING FACILITIES

## INVENTORY

- North Street Garage 800 spaces
- Broad Street Lot 113 spaces
- Spring Street Lot 290 spaces
- Lehigh Lot 89 spaces
- **Total Inventory 1,292 spaces**

## PARKING SPACE AVAILABILITY (April 2023\*)

- North Street Garage 390 spaces
- Broad Street Lot 15 spaces
- Spring Street Lot 163 spaces
- Lehigh Lot 89 spaces
- **Total Availability 657 spaces**

\* Parking occupancy counts were conducted throughout April 2023 to identify peak parking demand and determine the amount of available parking.



North Street Garage



Lehigh Street Lot



Spring Street Lot



Broad Street Lot

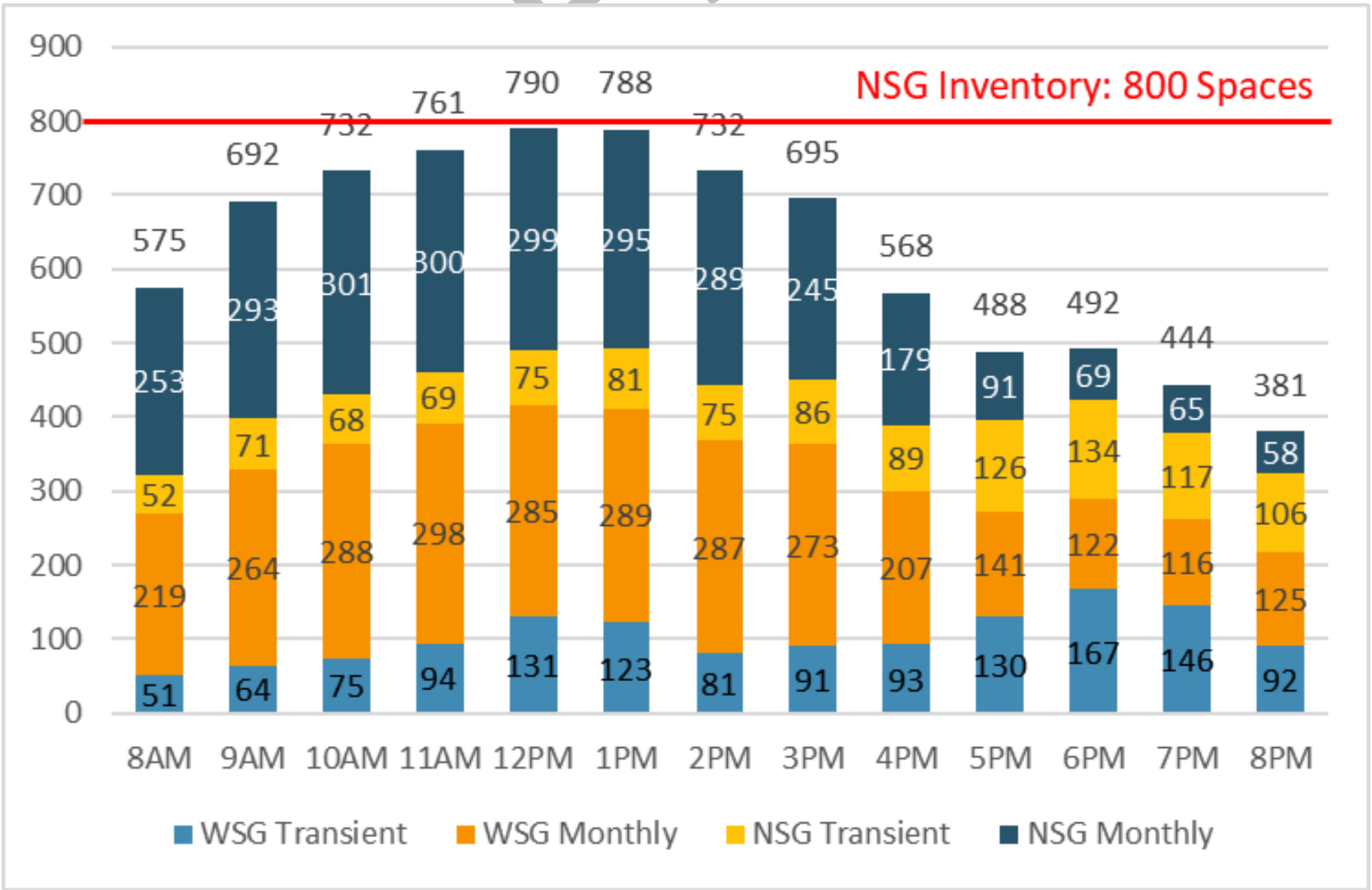
# COMBINED OCCUPANCY (NSG & WSG)

## Highest, Single Day Combined Occupancy

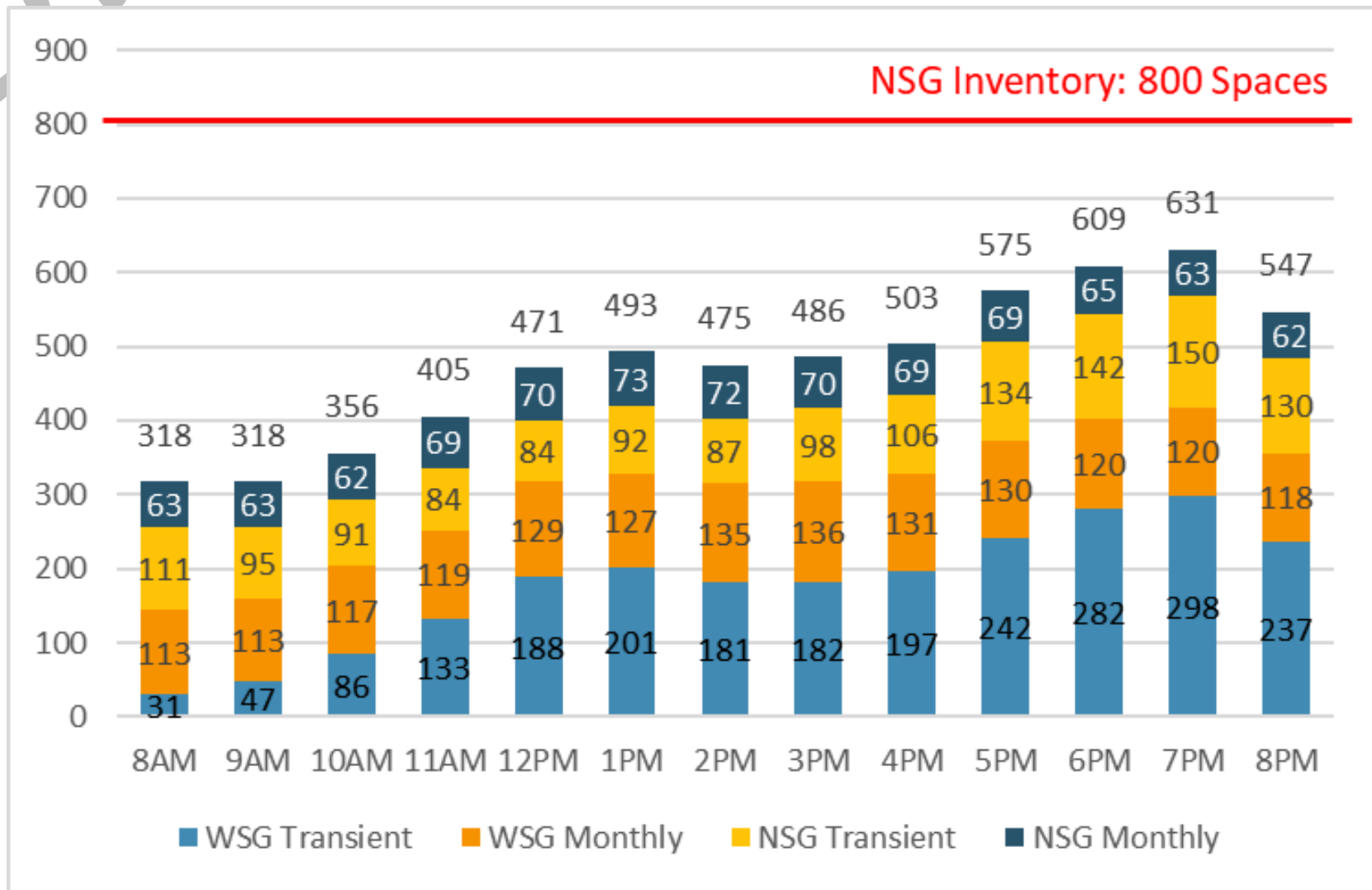
- Weekday - Total Combined Occupancy – 790 spaces
- Weekend - Total Combined Occupancy – 631 spaces
- NSG can accommodate the majority of the displaced WSG parkers

COMBINED OCCUPANCY- NSG & WSG

WEEKDAY - APRIL 26<sup>th</sup> ( WEDNESDAY )



WEEKDAY - APRIL 29<sup>th</sup> ( SATURDAY )



# EXISTING PARKING PERMITS (WSG) & ALLOCATION

## WSG PERMITS

- Most permit holders are within a 1,000 ft radius or 5-minute walk of the WSG

## Permit Parkers

WSG’s permit parkers to the following facilities:

- North St. Garage
- Spring St. Lot
- Broad St. Lot

## Transient Parkers

WSG transient parkers to the following facilities:

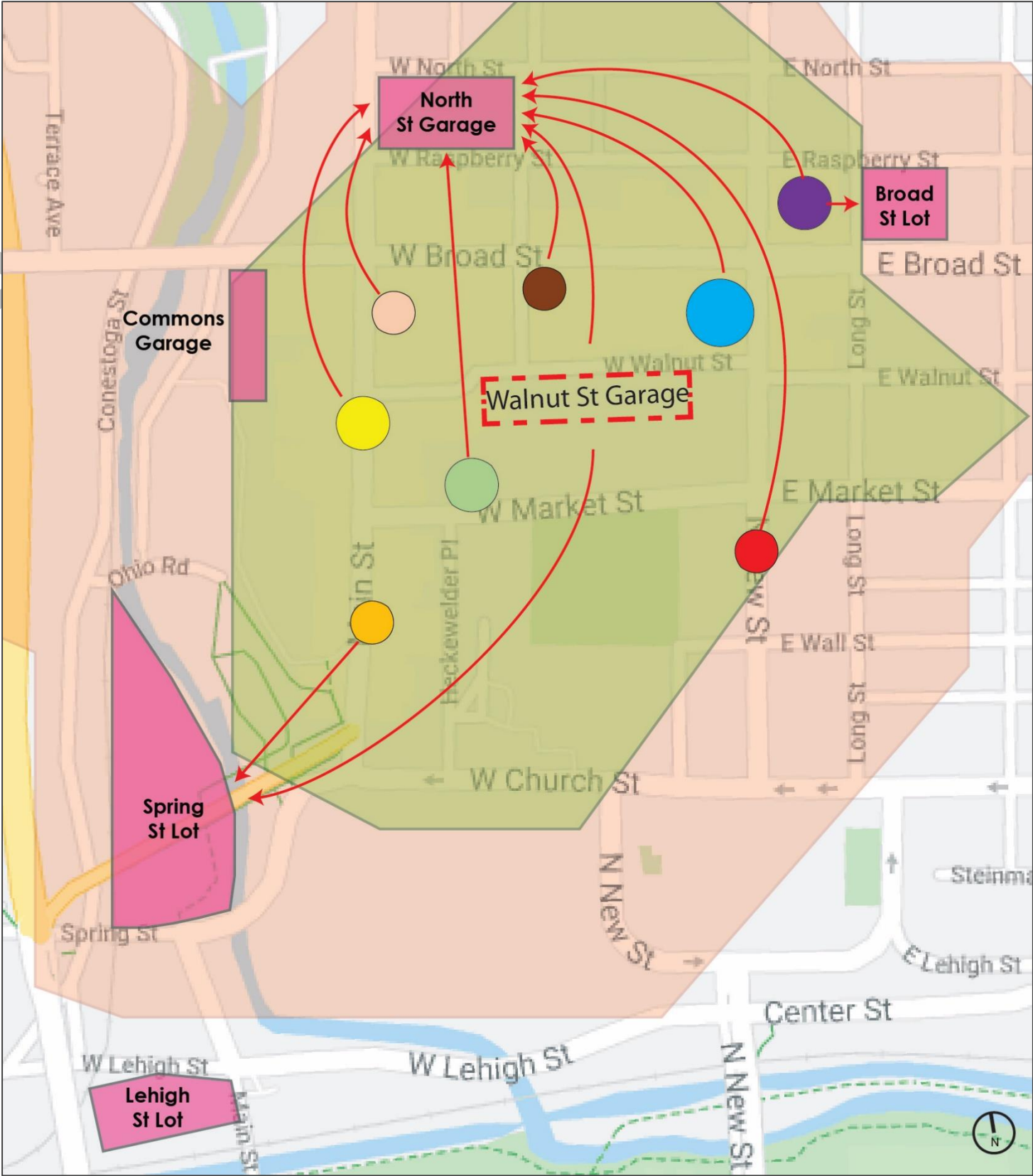
- North Street Garage
- Spring Street lot
- Available on-street spaces
  - BPA is working with the City to temporarily add additional on street options for the duration of the project

### Legend

| Permit Location   |
|-------------------|
| 1-3 W Broad St    |
| 74-79 W Market St |
| 1 E Broad St      |
| 500-547 Main St   |
| 74-77 W Broad St  |
| 420-457 Main St   |
| New St            |
| Broad St          |

-  Interim Parking Locations
-  5-min Walk from WSG
-  8-min Walk from WSG

## NSG PERMIT ALLOCATION



# WSG PERMIT PARKING CONTINGENCY

## Available On-street Parking In Residential Permit Parking (RPP) Zones

- Issue limited number of temporary permits to park in the Green or Yellow RPP zones
- Weekdays (8am – 6pm) only
- Green Zone inventory: 349 spaces; Yellow Zone inventory: 151 spaces
- Maximum weekday occupancy: Green zone: 81%, Yellow zone: 67%.
- Approximately **50 temporary (25 permits per zone)** weekdays permits could be available.

GREEN RPP ZONE PARKING OCCUPANCY

| DATE             |     | 10am |     | 2pm |     | 7pm |     |
|------------------|-----|------|-----|-----|-----|-----|-----|
| 2/28             | Tue | 203  | 58% | 219 | 63% | 304 | 87% |
| 3/1              | Wed | 227  | 65% | 215 | 62% | 291 | 83% |
| 3/3              | Fri | 226  | 65% | 211 | 60% | 298 | 85% |
| 3/4              | Sat | 306  | 88% | 309 | 89% | 308 | 88% |
| 3/7              | Tue | 237  | 68% | 219 | 63% | 293 | 84% |
| 3/8              | Wed | 236  | 68% | 244 | 70% | 268 | 77% |
| 3/10             | Fri | 229  | 66% | 241 | 69% | 283 | 81% |
| 3/11             | Sat | 288  | 83% | 292 | 84% | 306 | 88% |
| 3/14             | Tue | 229  | 66% | 229 | 66% | 284 | 81% |
| 3/15             | Wed | 254  | 73% | 281 | 81% | 285 | 82% |
| 3/17             | Fri | 237  | 68% | 223 | 64% | 283 | 81% |
| 3/18             | Sat | 204  | 58% | 190 | 54% | 191 | 55% |
| 3/21             | Tue | 231  | 66% | 221 | 63% | 261 | 75% |
| 3/22             | Wed | 192  | 55% | 189 | 54% | 284 | 81% |
| 3/24             | Fri | 231  | 66% | 257 | 74% | 268 | 77% |
| 3/25             | Sat | 286  | 82% | 286 | 82% | 273 | 78% |
| Max Weekday Occ. |     | 254  | 73% | 281 | 81% | 304 | 87% |
| Max Weekend Occ. |     | 306  | 88% | 309 | 89% | 308 | 88% |
| Weekday Avail.   |     | 95   | 27% | 68  | 19% | 45  | 13% |
| Weekend Avail.   |     | 43   | 12% | 40  | 11% | 41  | 12% |

YELLOW RPP ZONE PARKING OCCUPANCY

| DATE             |     | 10am |     | 2pm |     | 7pm |     |
|------------------|-----|------|-----|-----|-----|-----|-----|
| 2/28             | Tue | 71   | 47% | 86  | 57% | 102 | 68% |
| 3/1              | Wed | 117  | 77% | 101 | 67% | 90  | 60% |
| 3/3              | Fri | 76   | 50% | 74  | 49% | 97  | 64% |
| 3/4              | Sat | 74   | 49% | 73  | 48% | 71  | 47% |
| 3/7              | Tue | 82   | 54% | 80  | 53% | 94  | 62% |
| 3/8              | Wed | 68   | 45% | 80  | 53% | 110 | 73% |
| 3/10             | Fri | 85   | 56% | 68  | 45% | 84  | 56% |
| 3/11             | Sat | 121  | 80% | 96  | 63% | 103 | 68% |
| 3/14             | Tue | 77   | 51% | 91  | 60% | 95  | 63% |
| 3/15             | Wed | 58   | 38% | 90  | 60% | 95  | 63% |
| 3/17             | Fri | 72   | 48% | 72  | 48% | 85  | 56% |
| 3/18             | Sat | 108  | 72% | 96  | 64% | 129 | 85% |
| 3/21             | Tue | 68   | 45% | 75  | 49% | 102 | 68% |
| 3/22             | Wed | 58   | 39% | 71  | 47% | 87  | 58% |
| 3/24             | Fri | 69   | 46% | 76  | 50% | 95  | 63% |
| 3/25             | Sat | 95   | 63% | 116 | 76% | 99  | 66% |
| Max Weekday Occ. |     | 117  | 77% | 101 | 67% | 110 | 73% |
| Max Weekend Occ. |     | 121  | 80% | 116 | 76% | 129 | 85% |
| Weekday Avail.   |     | 34   | 23% | 51  | 33% | 41  | 27% |
| Weekend Avail.   |     | 30   | 20% | 36  | 24% | 22  | 15% |

BETHLEHEM GREEN & YELLOW RPP ZONE

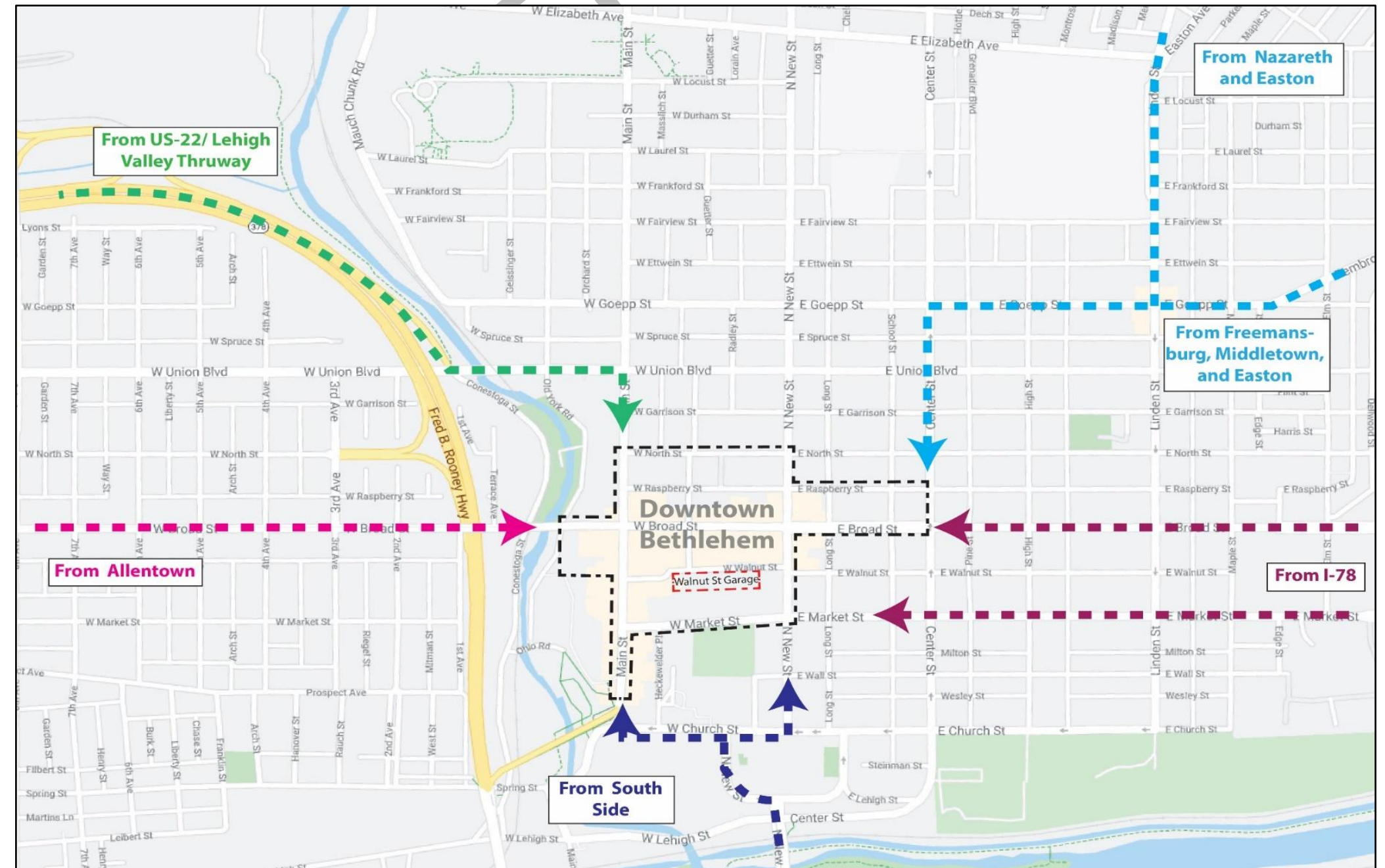


# WAYFINDING SIGNAGE UPDATE

Updated parking wayfinding signage will be installed to direct patrons to the parking facilities.

- Signage locations based on the major routes into downtown
  - Route 378 / Hill-to-Hill Bridge
  - Broad Street
  - New Street / Fahy Bridge
  - Center Street / Linden Street
  - Main Street
- New parking signs will be installed to direct parkers to the North Street Garage, Spring Street, and Broad Street Lot.
- BPA will remove or cover the existing parking signs which direct parkers to WSG.

## MAJOR ROUTES INTO BETHLEHEM DOWNTOWN



# WAYFINDING SIGNAGE UPDATE



EXISTING & PROPOSED WAYFINDING SIGNAGE LOCATION



# WAYFINDING SIGNAGE UPDATE

## Digital Occupancy Signage at NSG

- Parking occupancy of NSG will be monitored in real-time
- Occupancy displayed on digital signage at the entrance of NSG to alert parkers of space availability
- Real time parking occupancy data can be displayed on BPA / City website or via web-based devices
- Real time communication of accurate parking availability reduces user frustration
- Installation - Summer 2023



# EVENT PARKING COORDINATION

**Holiday Parking** - Peak parking demand Saturday, (12/10/2022):

- WSG - 93% (714 spaces) / NSG - 61% (486 spaces)
  - (Combined Occupancy – 77%) – 1,200 spaces
- Approximately 310 spaces available at NSG
- Approximately 100 spaces available at the Spring Street Lot
- Approximately 89 at the Lehigh Street Lots

**Major Event Parking** – During Musikfest / Celtic Classic, parking demand in the North Side will exceed supply with the loss of WSG.

- Parking resources on the South Side including the Riverport Garage, New Street Garage, and Polk Street Garage, total over 800 available spaces.
- During major events the BPA will also coordinate with existing transit services and other shuttle options to meet parking demand on the North Side.
- BPA has worked with LANTA to support their EBS (Enhanced Bus Service) route, which provides a bus-rapid transit option throughout the Lehigh Valley. The EBS route can move patrons in Bethlehem quickly from north to south (or vice versa). Maximum wait times are 15 minutes and key EBS stops in Bethlehem are:
  - Bethlehem Transit Center (North Street Garage)
  - City Hall / Fahy Bridge North
  - Fahy Bridge South
  - Southside Station / Adjacent to Polk Street Garage
  - Wind Creek Casino



## MAJOR EVENT PARKING FACILITIES



# DISPLACEMENT PARKING COMMUNICATIONS

## FAQ

- The BPA will create a FAQ document to provide information about interim parking during the demolition and replacement of the WSG.

## Weekly / Monthly Social Media & Website Updates

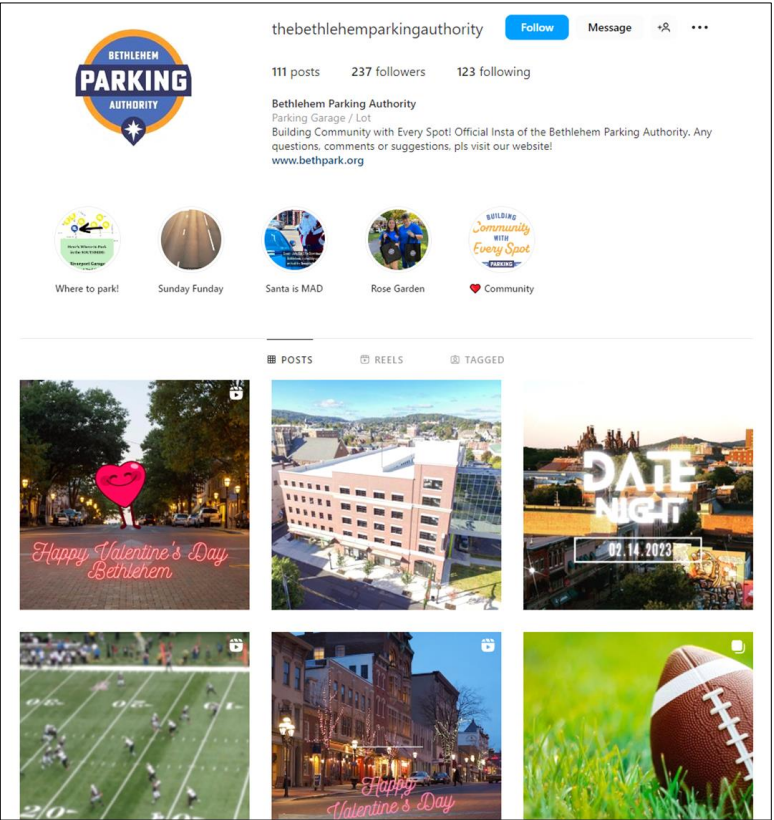
- The BPA will update its social media accounts and website regularly to inform regarding the new garage project status and parking options, especially during the holiday season and major events.

## Linking Downtown Businesses & Institutions to Parking Info

- BPA will offer downtown businesses access to custom parking links / widgets for placement on their websites to connect to the BPA's parking options and information regarding location, rates, hours of operation, etc.

## Project Update Meetings

- The BPA will regularly engage with local stakeholders to provide updates as to the demolition and garage construction projects and to obtain feedback.





THANK YOU  
QUESTIONS & COMMENTS

