



# South Boston Community Meeting

May 30, 2007



Dorchester Avenue Transportation & Streetscape Improvements Action Plan  
May 30, 2007



# Tonight's Agenda

- Revised design concept for Andrew Square
- TSM improvements at Old Colony Avenue



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# Overall Goals for Andrew Square

- Better place for people
- Better neighborhood business district
- Better gateway to South Boston



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# Traffic in Andrew Square

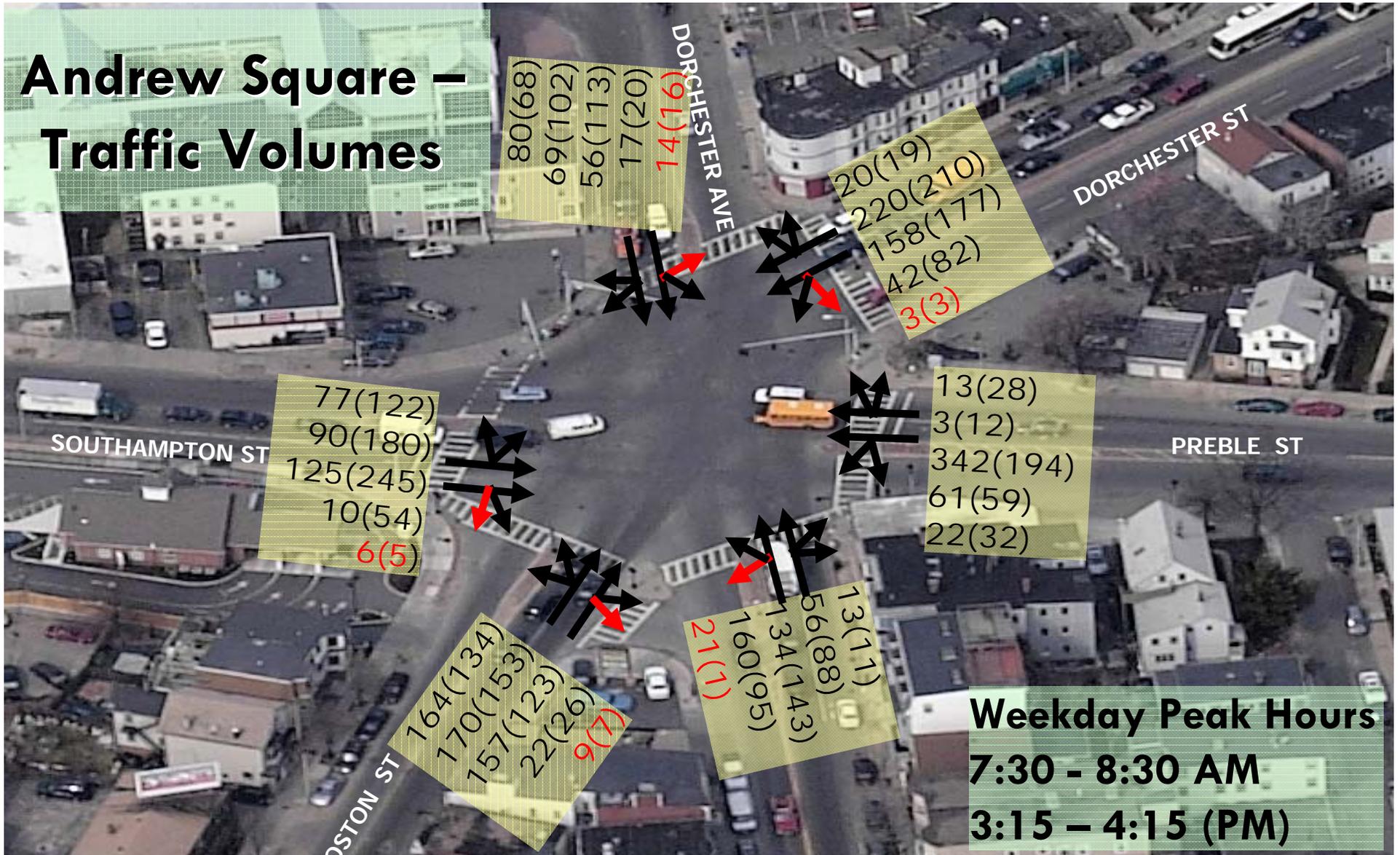
- Many traffic moves
- Traffic moves in conflict
- Some moves very low volume
- Many pedestrians crossing



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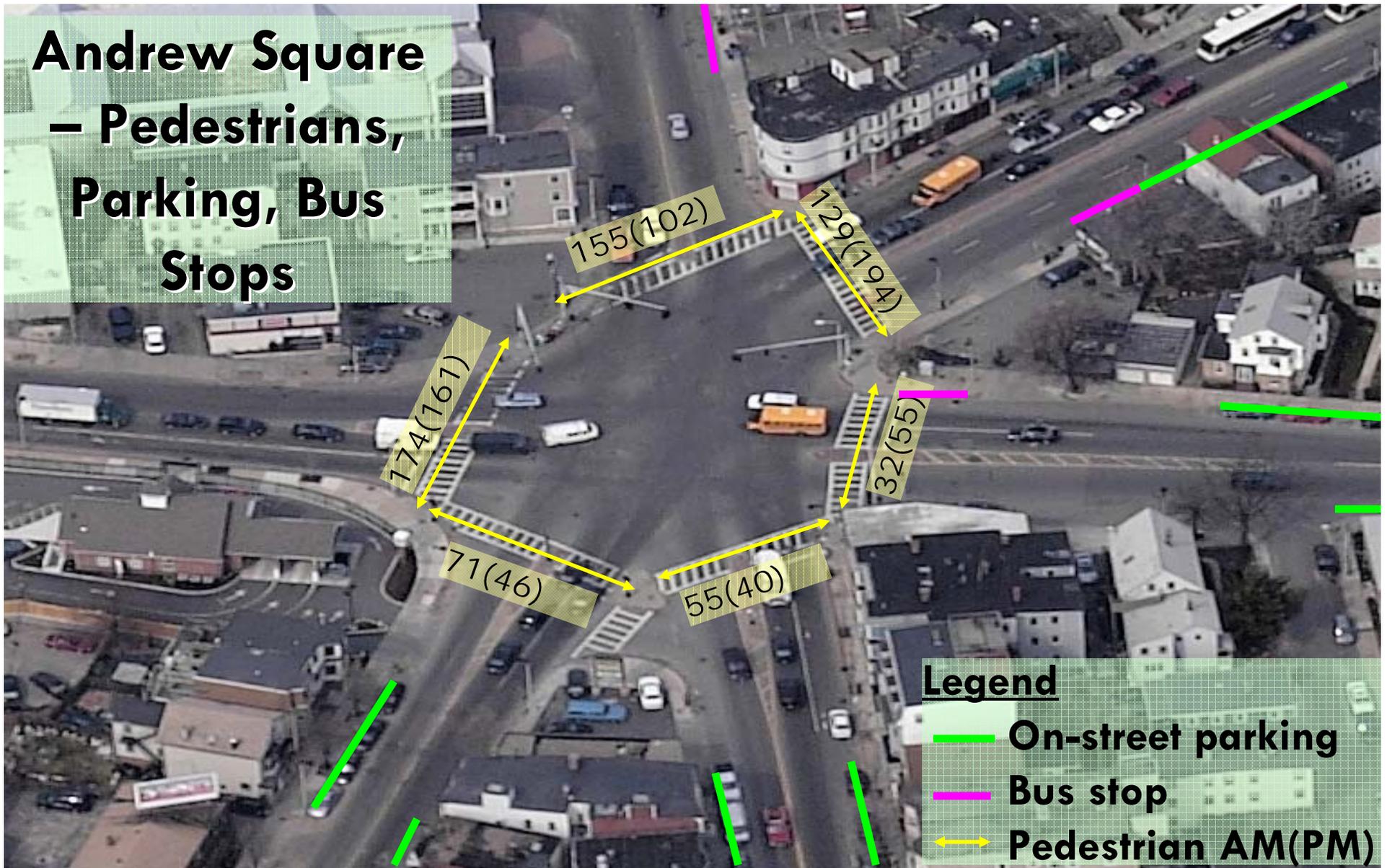
# Andrew Square - Traffic Volumes



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# Andrew Square – Pedestrians, Parking, Bus Stops



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# Andrew Square Peak Hour Traffic Before and After Changes

- **2006 Existing** operations =  
LOS F (average **4 minutes delay**)
- **2016 with No Changes** =  
LOS F (average **5.7 minutes delay**)
- **2016 with Improvements** =  
LOS F (average **4.7 minutes delay**)



# Existing Intersection



# Andrew Square: Revised Concept

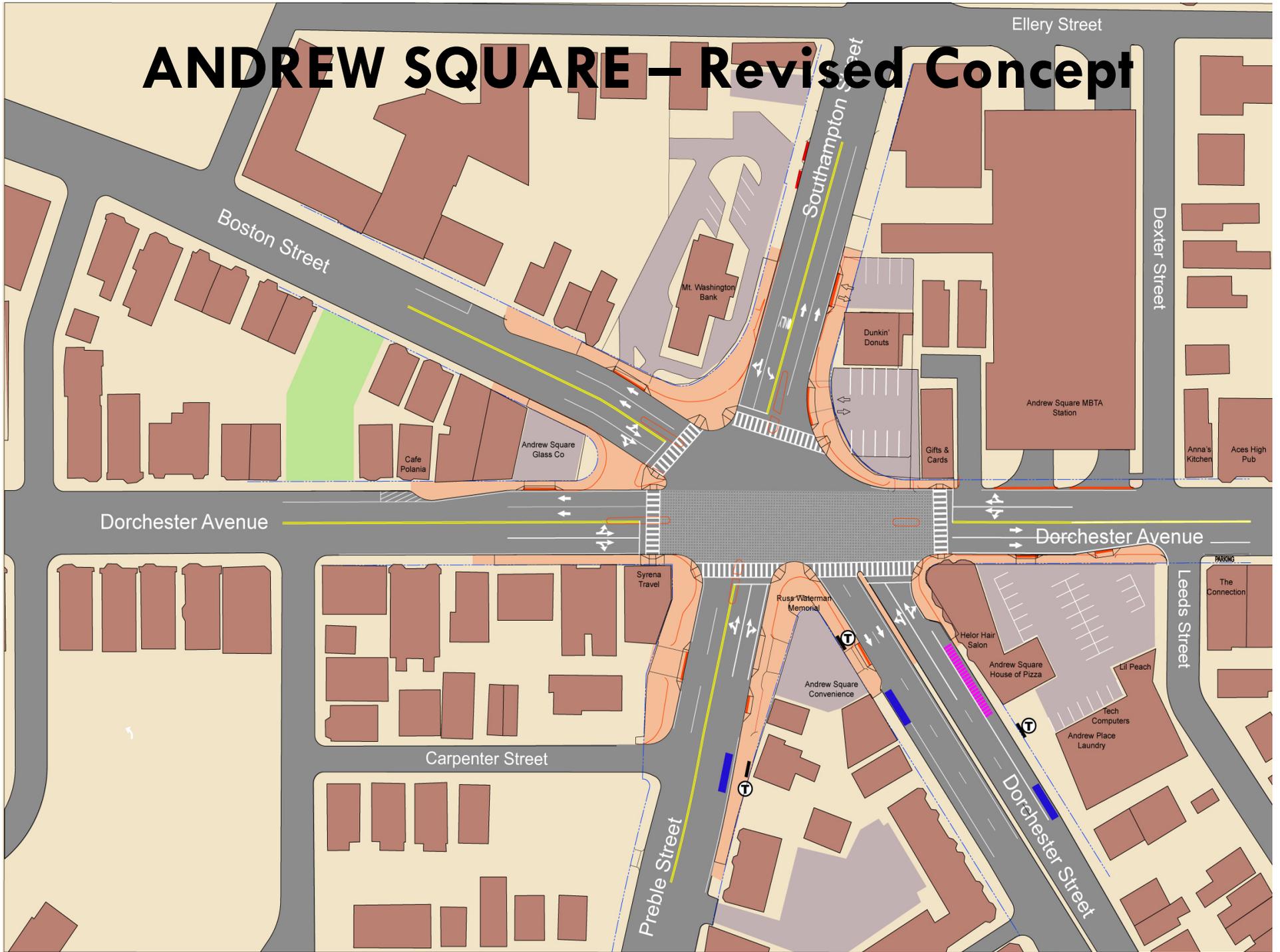
- Remove medians except on Dorchester Street
- Close curb cut on Dorchester Avenue
- Two receiving lanes except Preble Street
- Some reductions of proposed curb extensions
- Corner radius smaller on northwest corner



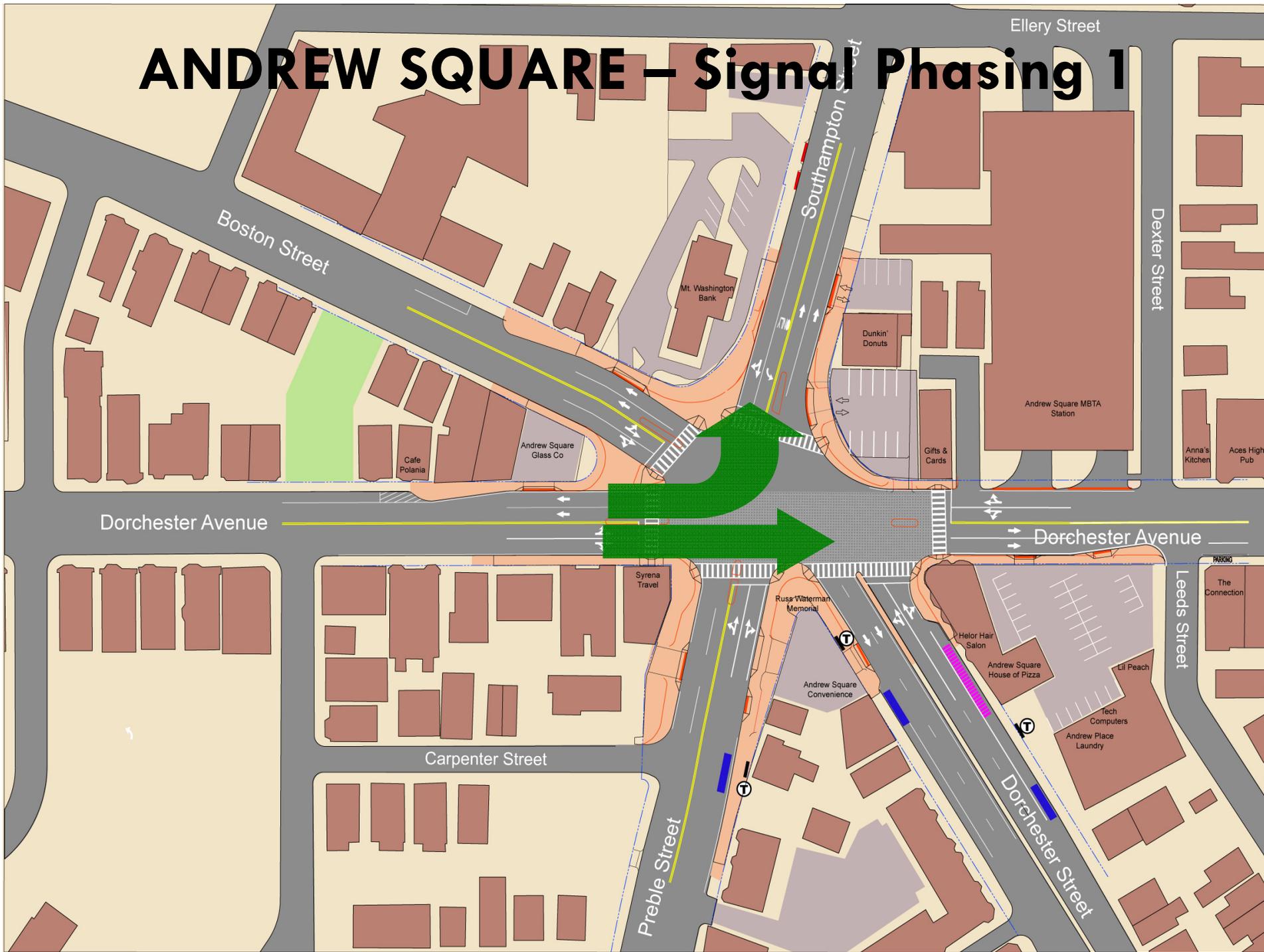
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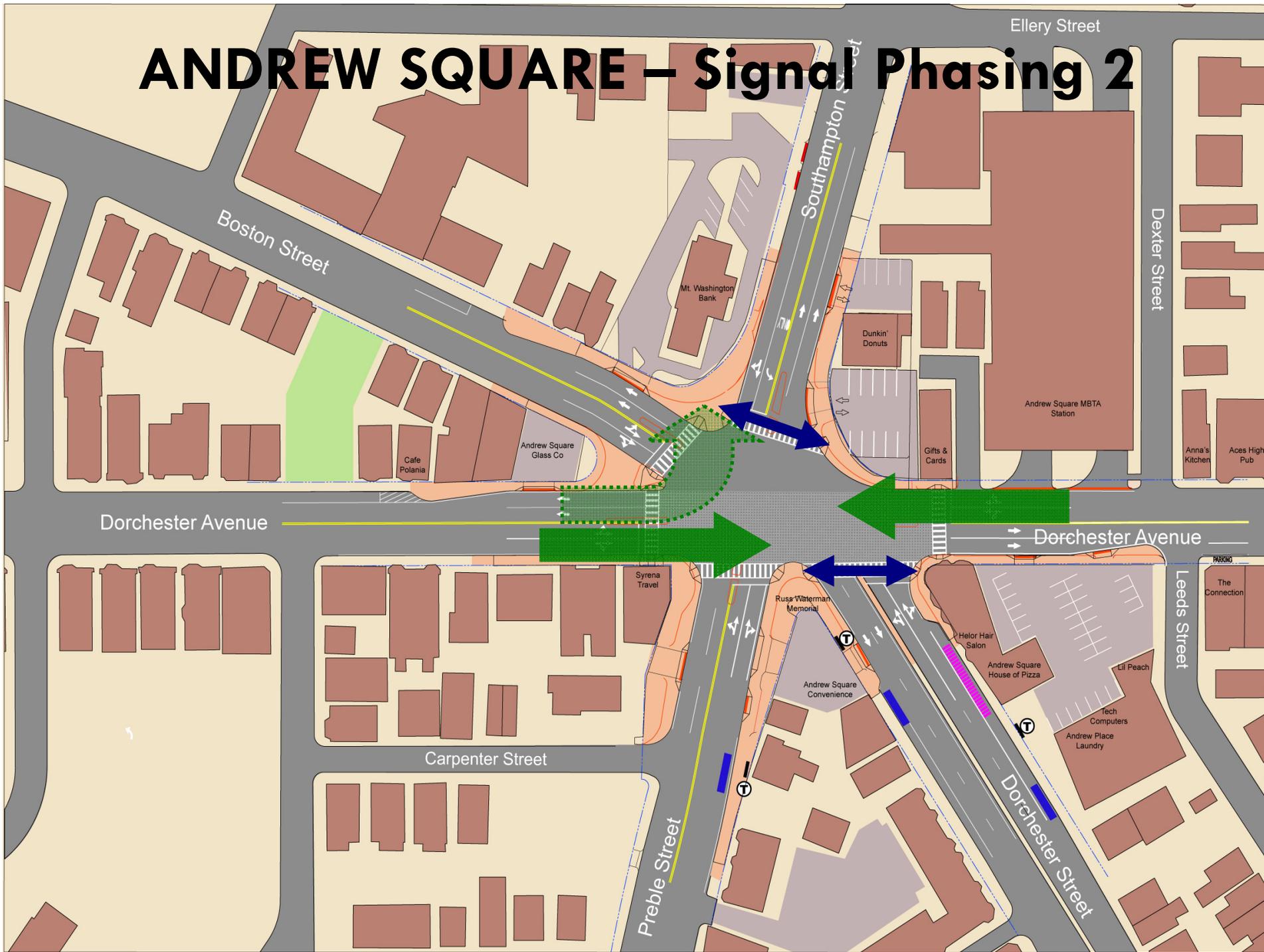
# ANDREW SQUARE – Revised Concept



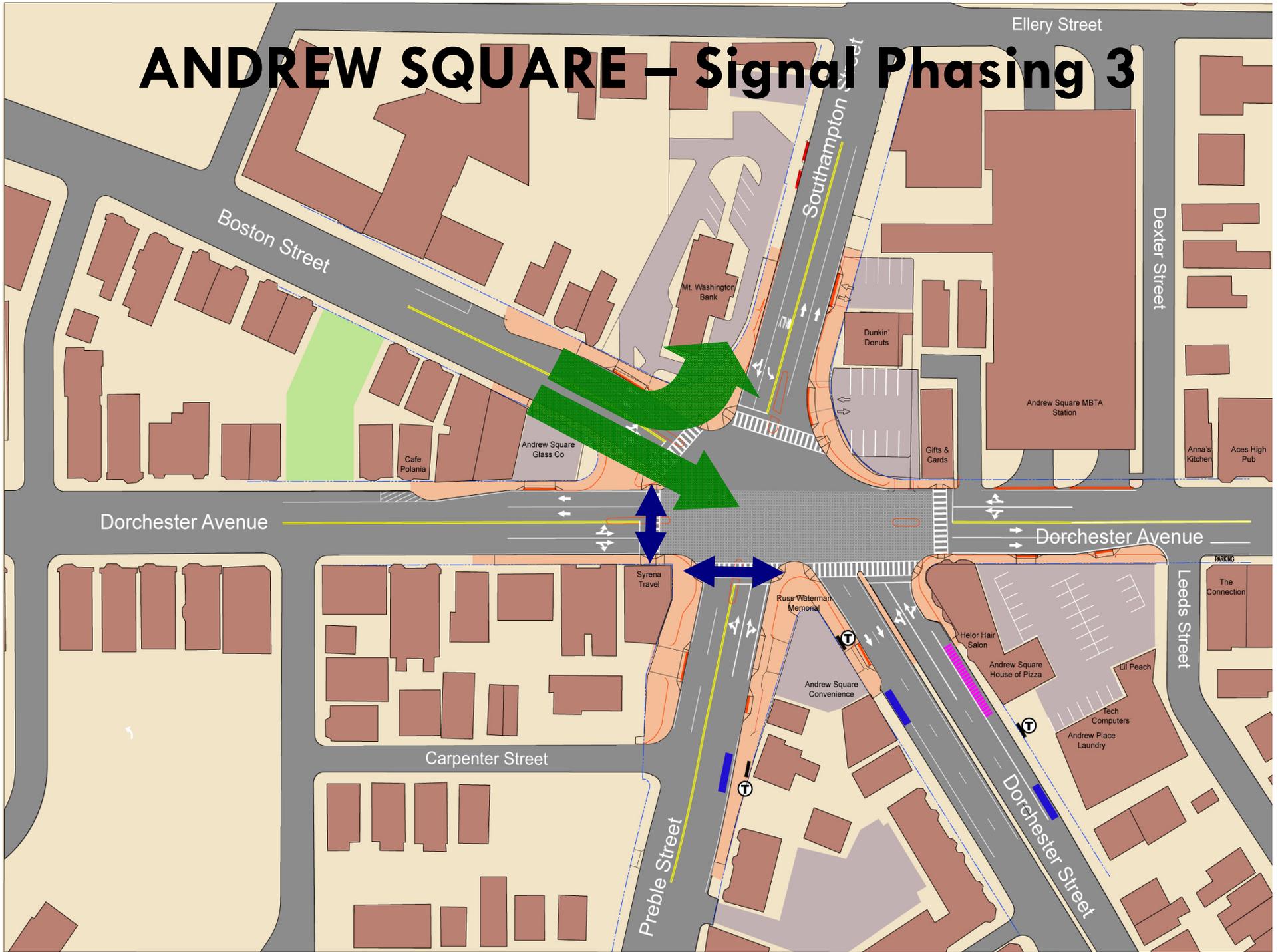
# ANDREW SQUARE – Signal Phasing 1



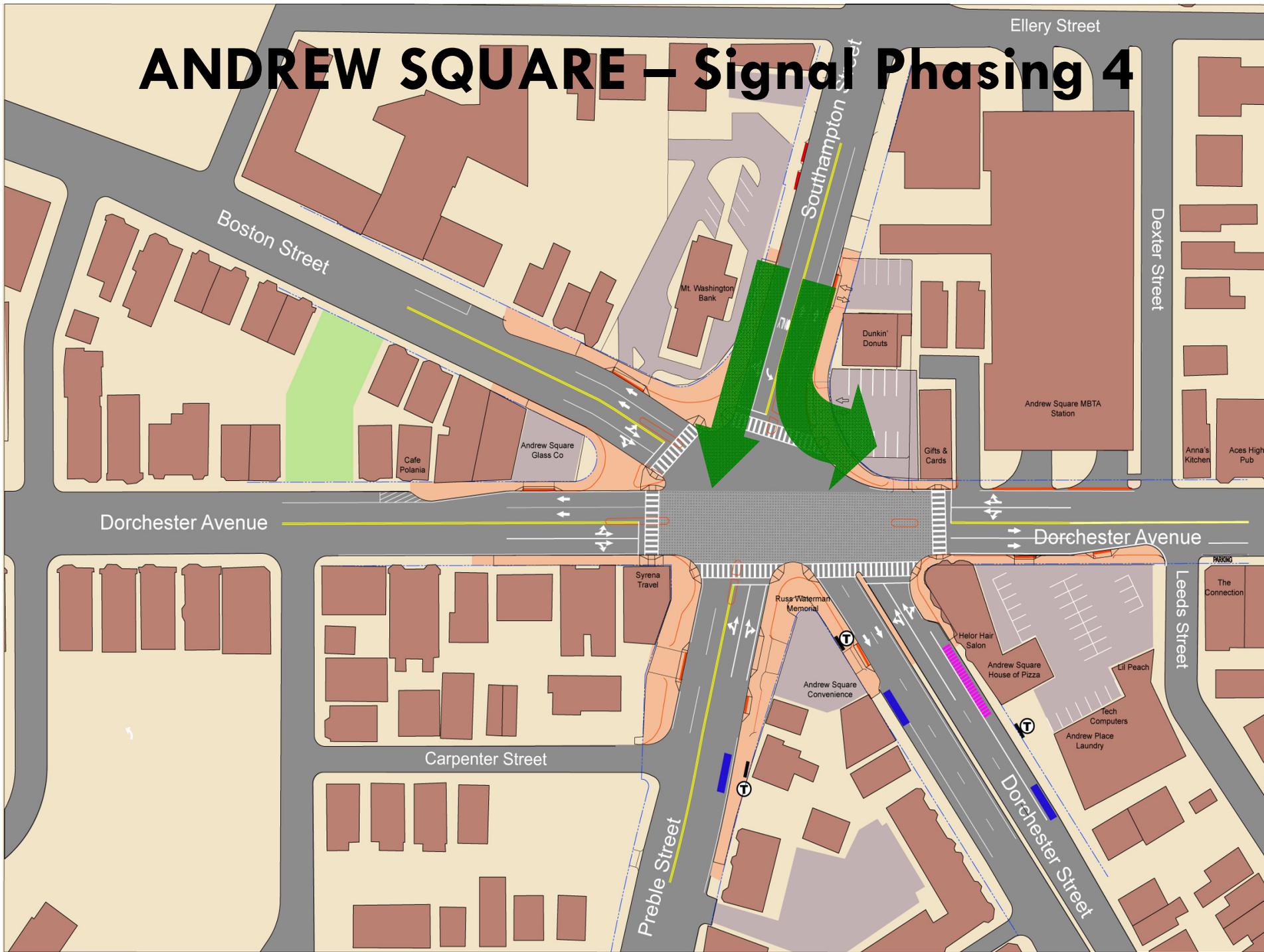
# ANDREW SQUARE – Signal Phasing 2



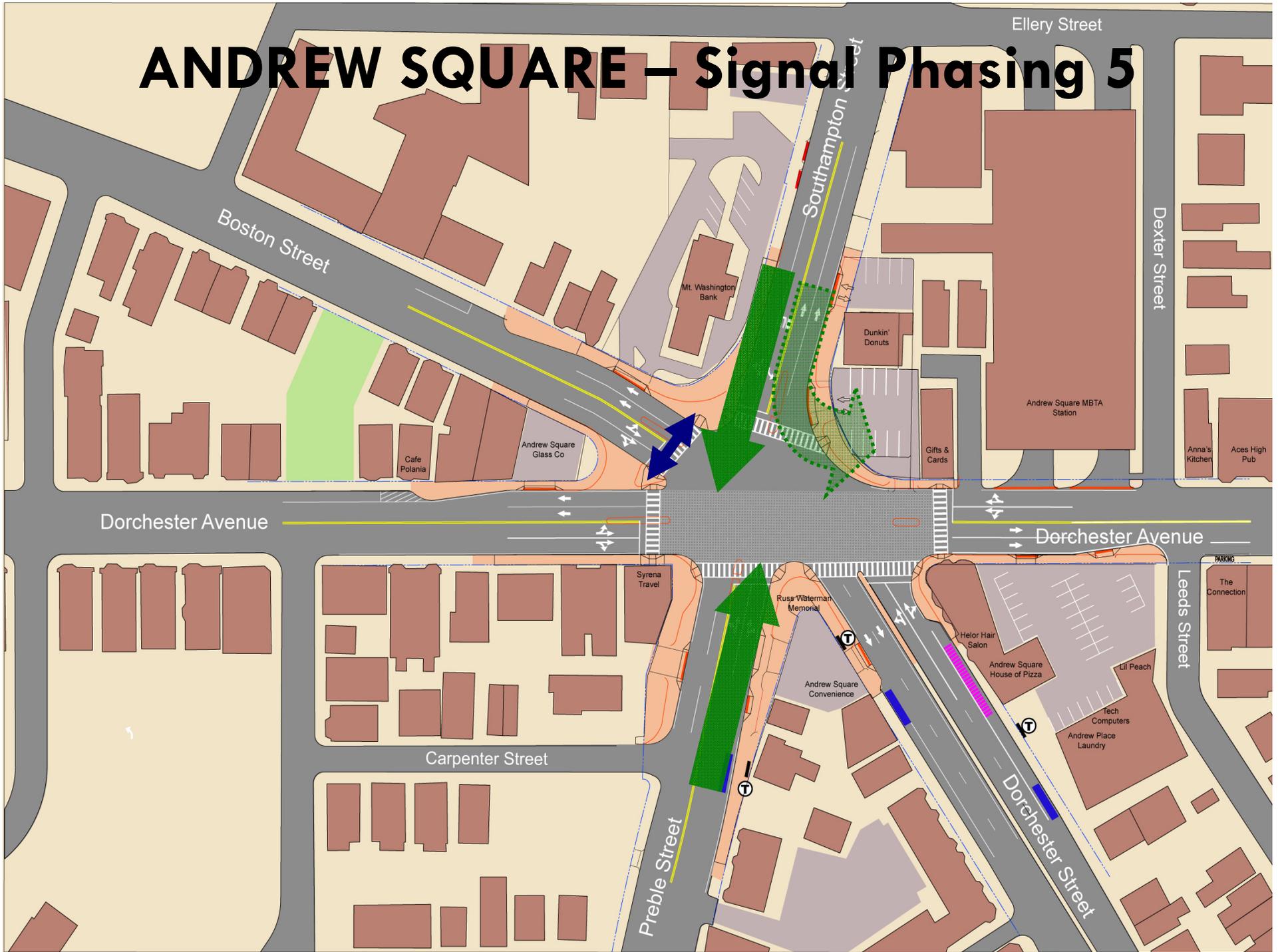
# ANDREW SQUARE – Signal Phasing 3



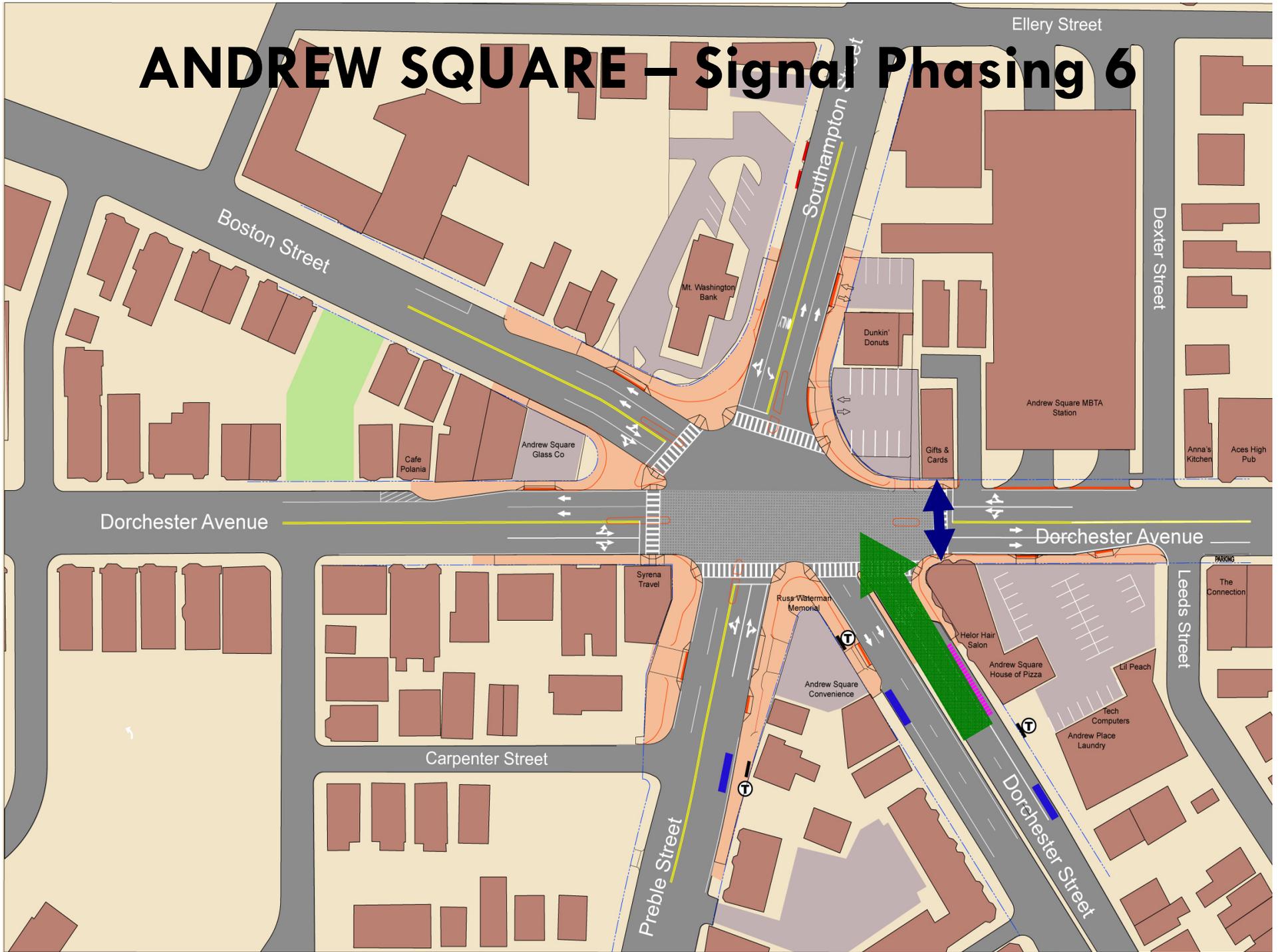
# ANDREW SQUARE – Signal Phasing 4



# ANDREW SQUARE – Signal Phasing 5



# ANDREW SQUARE – Signal Phasing 6



# Crosswalk Distances



**EXISTING**



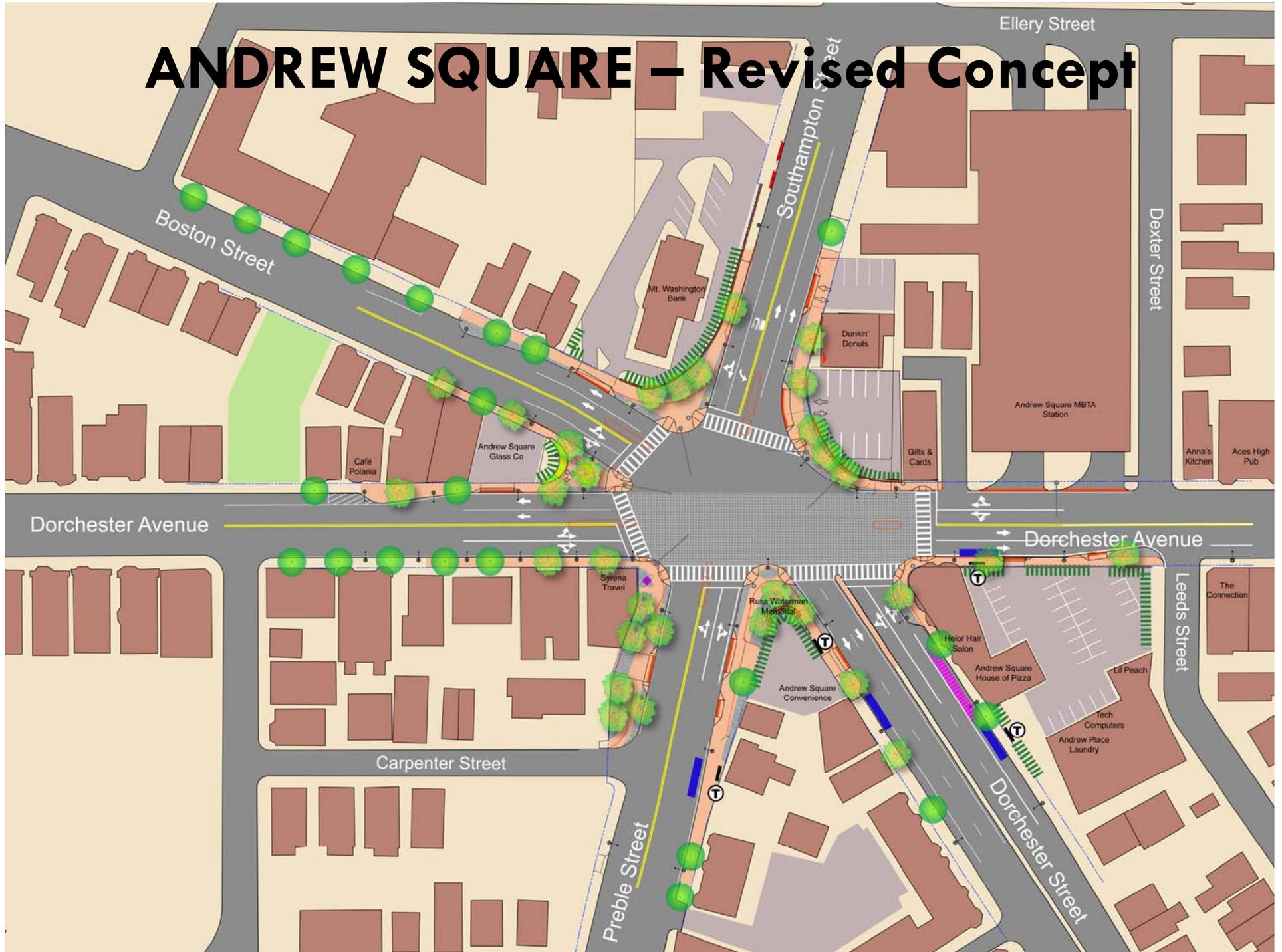
**NEW CURBS**



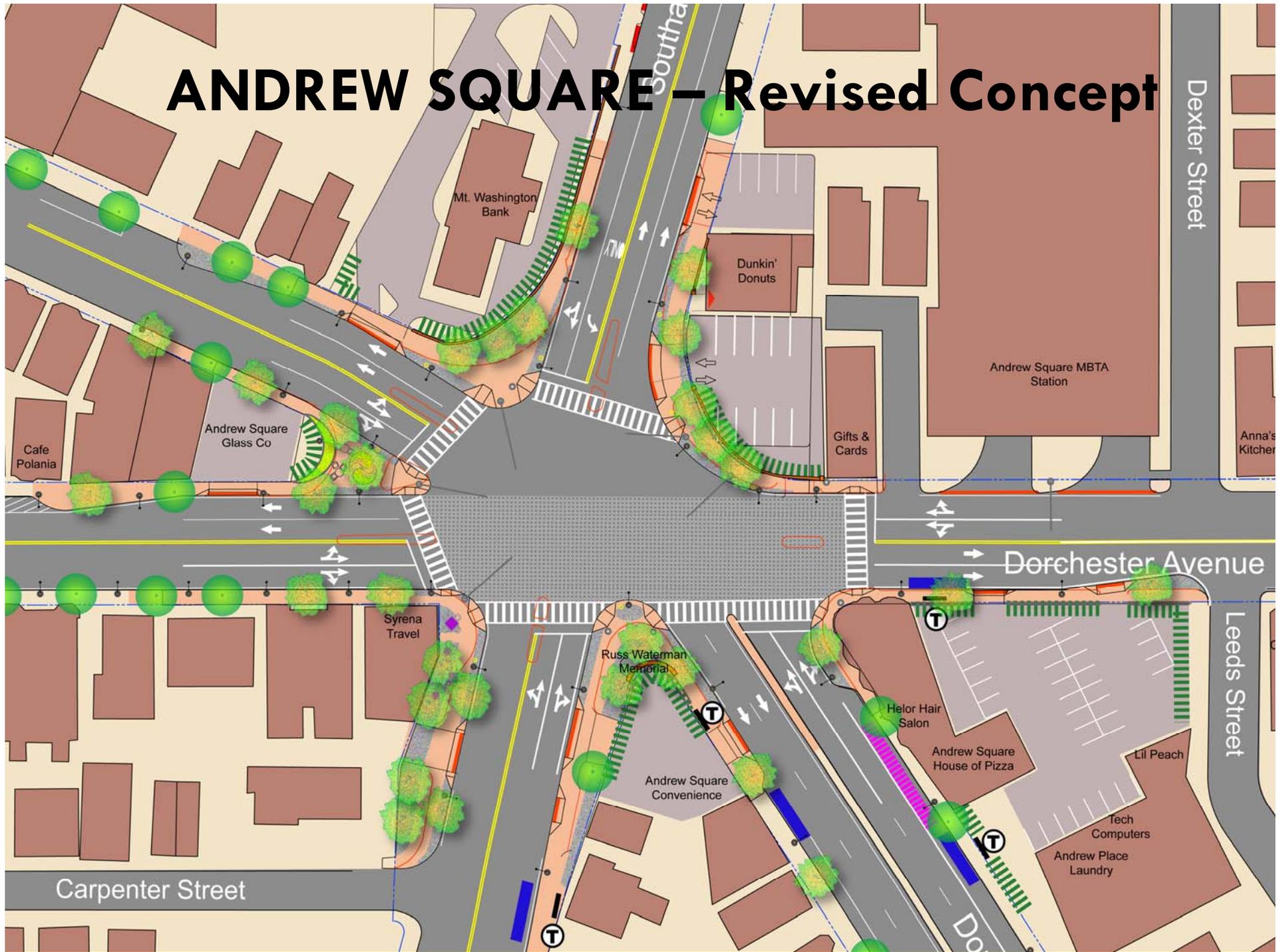
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# ANDREW SQUARE – Revised Concept



# ANDREW SQUARE – Revised Concept



# Wayfinding

- “You are here” welcome sign – *Andrew Square*
- Orientation in finding
  - Route/streets
  - Interstate highways
  - Parking



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# Wayfinding

- For routes/streets, two notifications
  - 200'+ before the intersection
  - At the intersection
- Interstate
  - 200'+ before the intersection
  - At the intersection
  - After the intersection
- Parking 100'+ before and at turns
- Welcome signs in significant plazas



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# Sign Placement

- Coordination with other elements



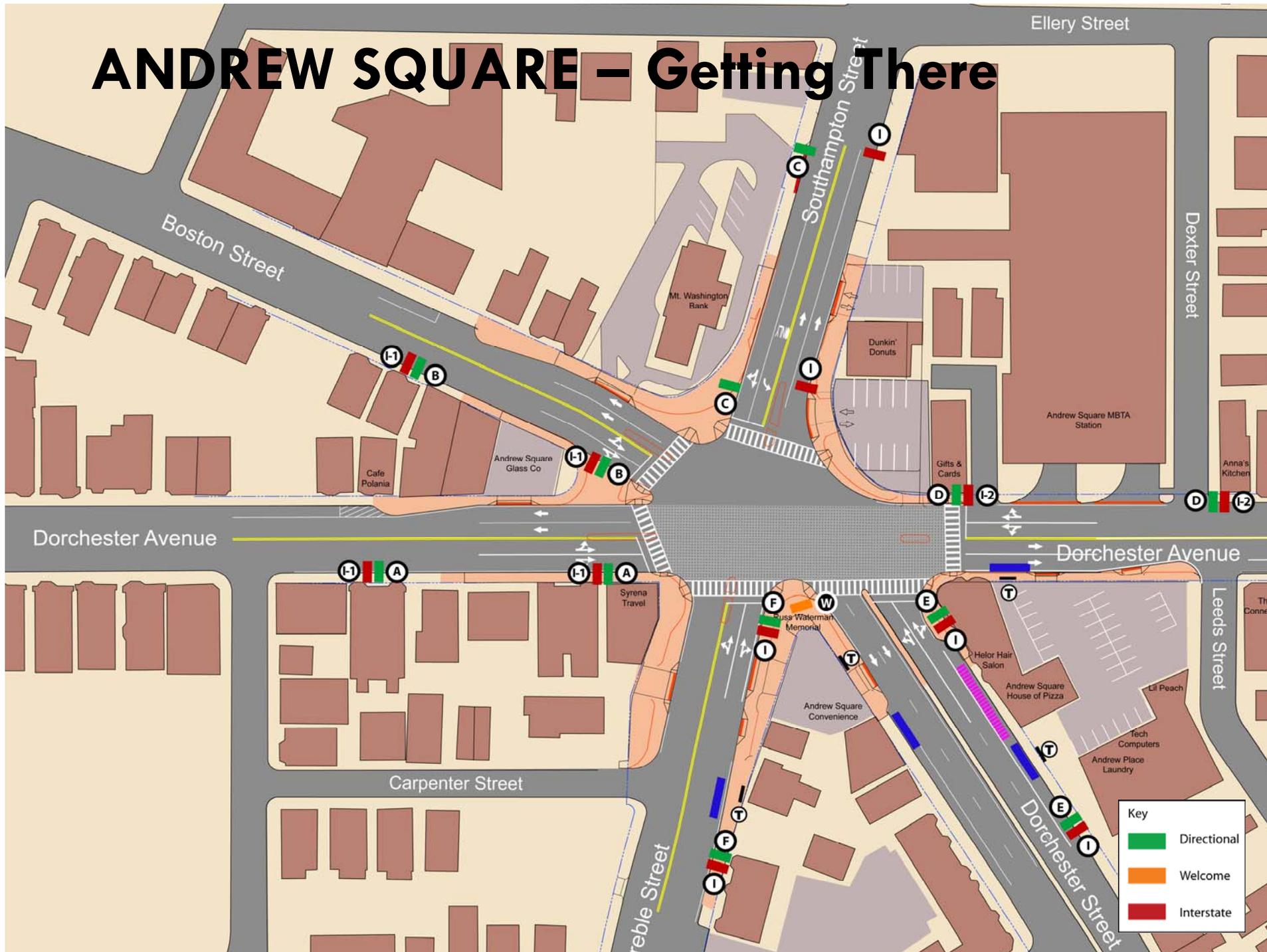
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Mayor



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# ANDREW SQUARE – Getting There



# Davis Square, Somerville



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# ANDREW SQUARE

W

WELCOME TO  
ANDREW SQUARE  
SOUTH BOSTON  
CITY OF BOSTON  
*MAJOR THROUGHS TO BEHOLD*

A B C



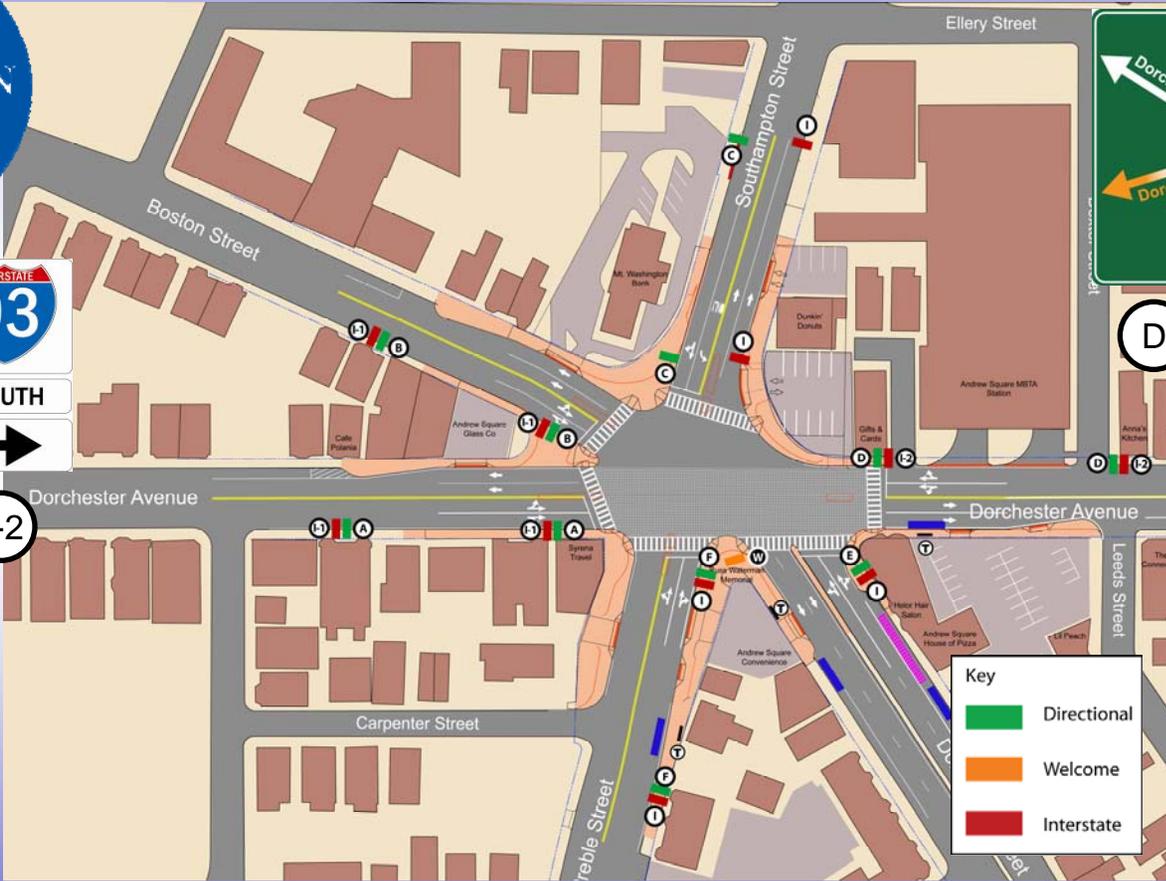
D E F



I

I-1

I-2



Key  
█ Directional  
█ Welcome  
█ Interstate



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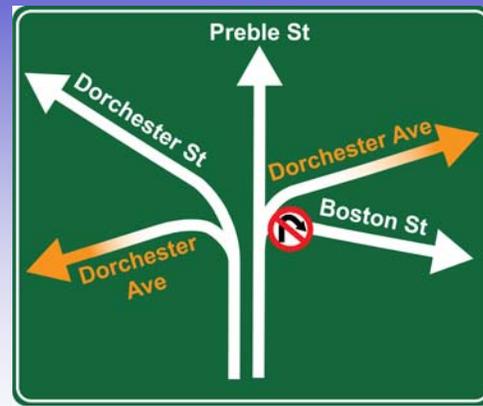
# ANDREW SQUARE



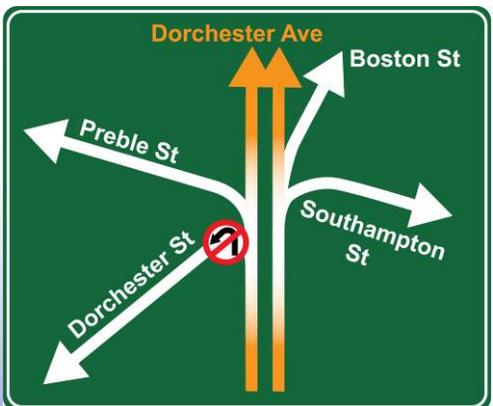
**(A)** Dorchester Ave northbound



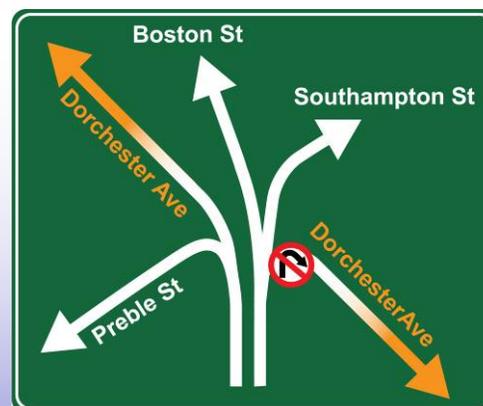
**(B)** Boston St



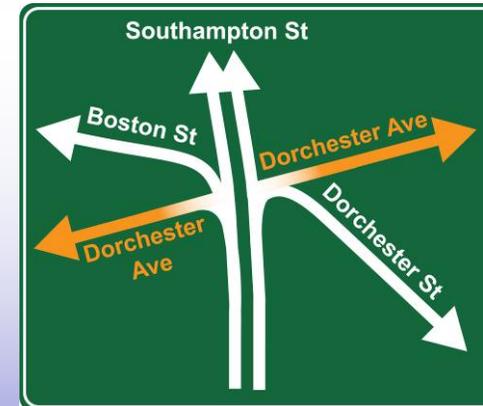
**(C)** Southampton St



**(D)** Dorchester Ave southbound



**(E)** Dorchester St



**(F)** Preble St



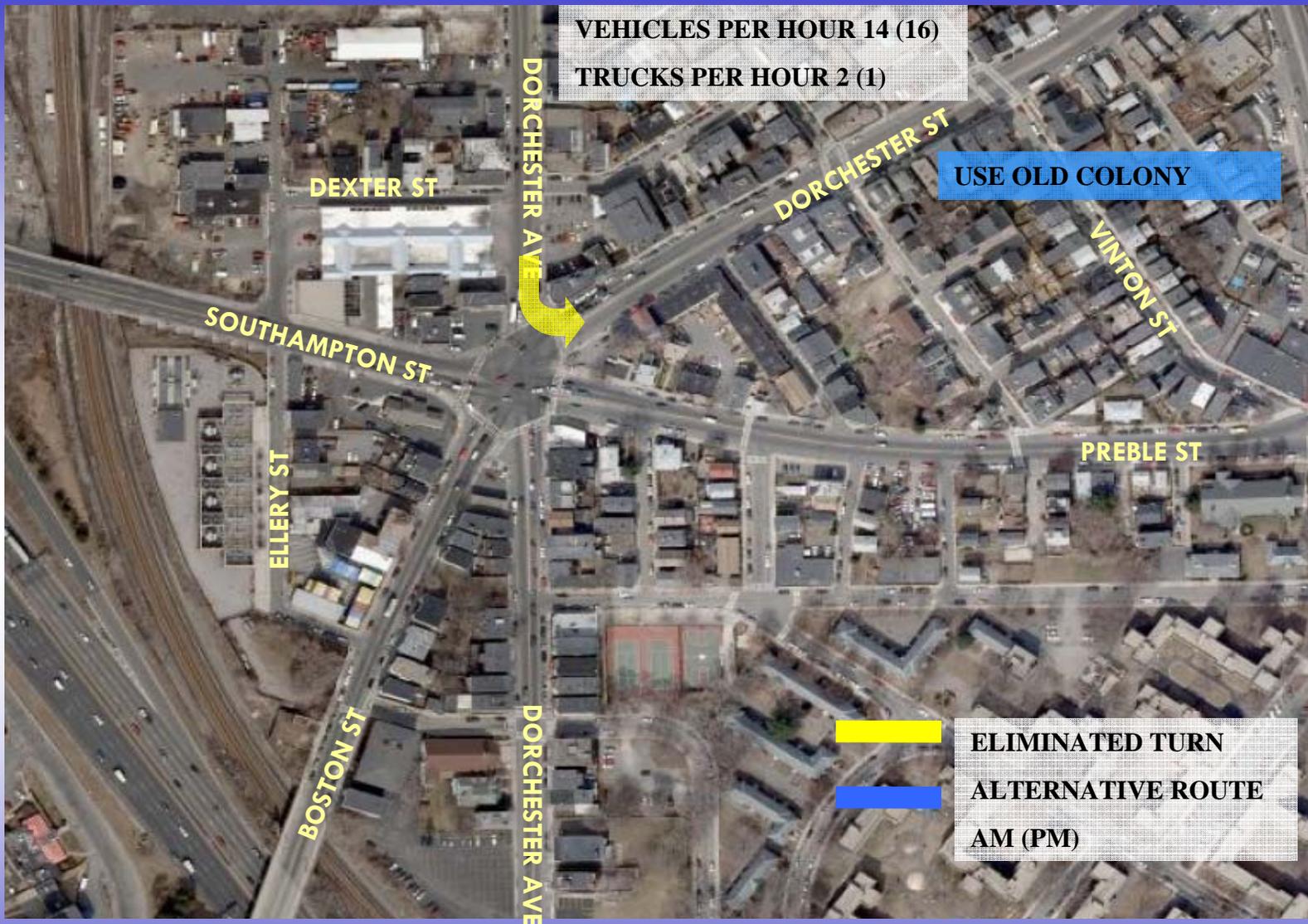
# Prohibiting Little-Used Turns

- Small numbers, even in peak hour
  - 3 per hour = 1 every 20 minutes
  - 28 per hour = 1 every 2 minutes
- Prohibiting them improves traffic flow
- Allows more people-friendly curb lines and shorter cross-walks
  - Especially true for sharp right turns
- Prohibited turns need to use alternate routes



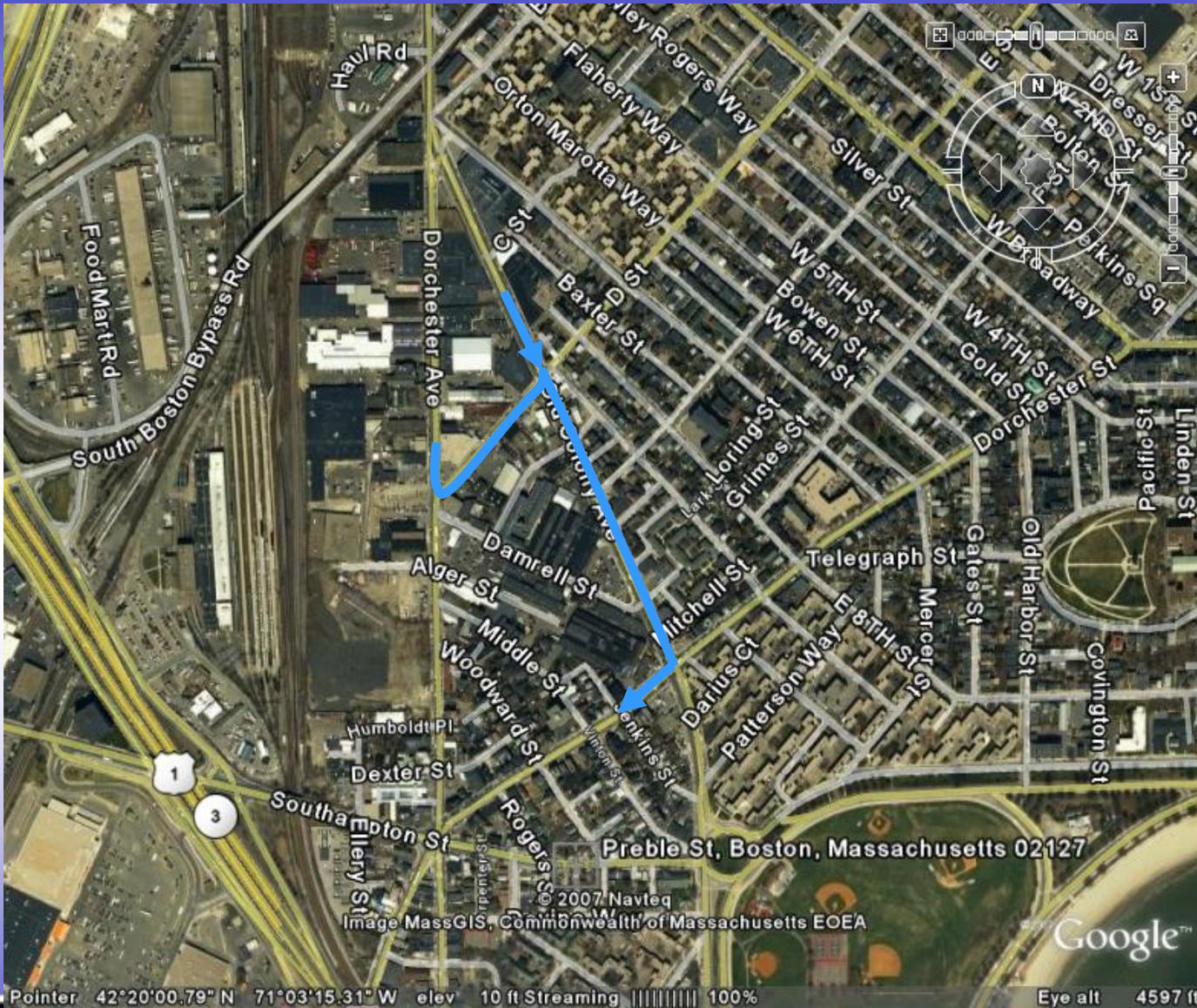
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# TSM Improvements

## *Old Colony Avenue/B Street/ West 7<sup>th</sup> Street/Dorchester Avenue*



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# What is Transportation System Management (TSM)?

- An approach to congestion mitigation
- Techniques that:
  - Improve traffic flow
  - Improve air quality
  - Improve movement of vehicles and goods,
  - Enhance system accessibility
  - Enhance safety
- Low-cost but effective



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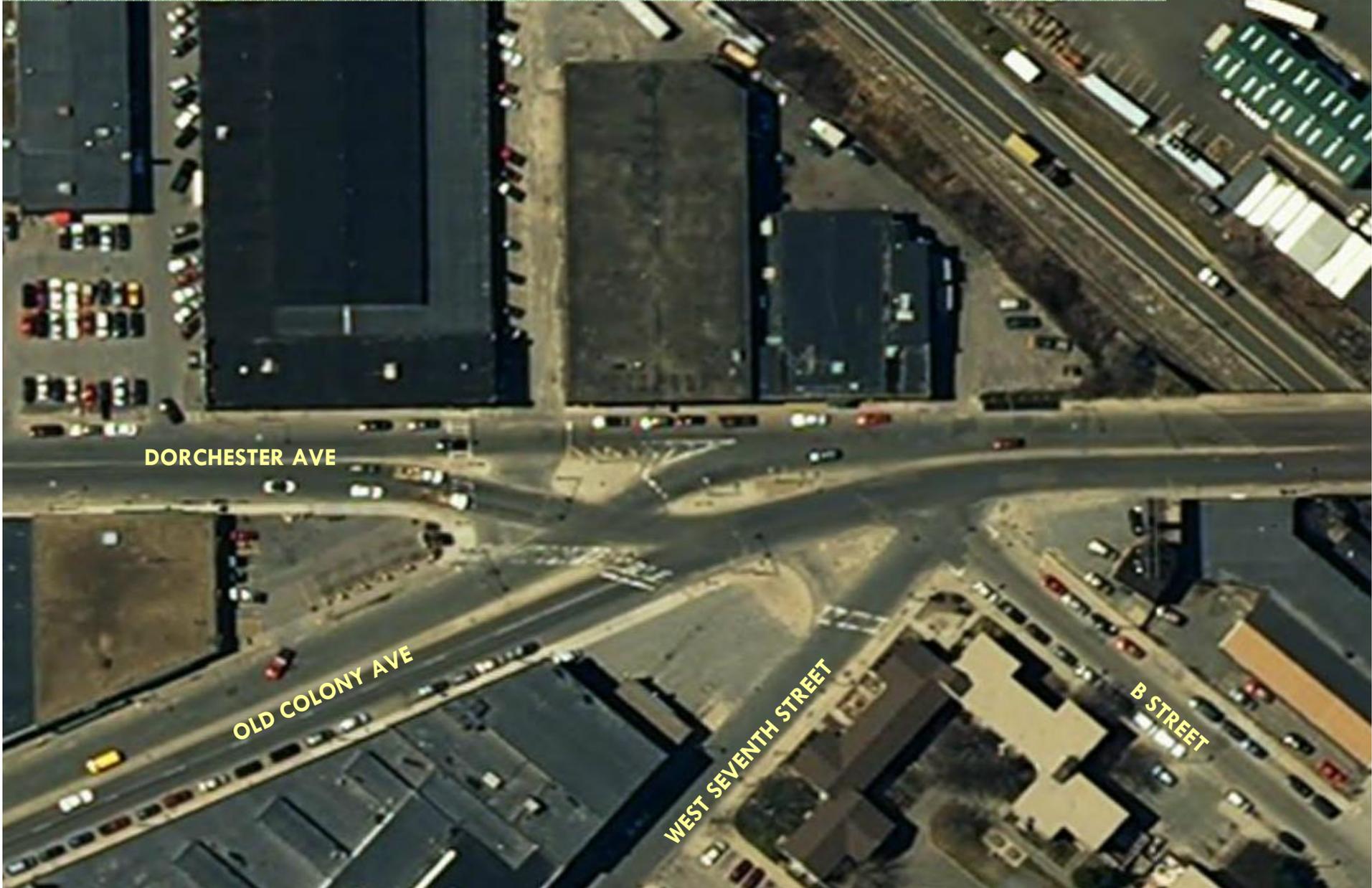


# Elements of TSM

- Signal timing optimization
- Signal hardware upgrades
- Vehicle detector repair/replacement
- Communication with central system
- Turning lanes
- Pavement striping
- Lane assignment changes
- Signing



# Old Colony Avenue/Dorchester Avenue



DORCHESTER AVE

OLD COLONY AVE

WEST SEVENTH STREET

B STREET

# Old Colony Avenue/Dorchester Avenue



Weekday Peak Hours

8:15 – 9:15 AM

4:45 – 5:45 PM

DORCHESTER AVE

394(285)  
35(36)  
3(4)  
6(6)



OLD COLONY AVE

1(0)  
1,053(748)  
63(34)  
10(9)



WEST SEVENTH STREET

0(1)  
97(41)  
23(12)



14(6)  
17(35)  
14(27)  
35(8)

B STREET

160(194)  
255(653)  
19(23)  
1(1)



# Old Colony Avenue/Dorchester Avenue

- Currently operates at LOS A
- Signal does not include B Street or West 7<sup>th</sup> Street
- Low crash rate



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# Old Colony Avenue/Dorchester Avenue

- Potential TSM Improvements:
  - Wayfinding signage
  - New pavement markings



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# Next Steps

- Consider any new comments about concept design
- Prepare preliminary engineering drawings
- Complete work at Old Colony Avenue
- Prepare Draft Action Plan
- Upcoming meetings:
  - Joint Task Force Meeting – June 2007
  - Joint Community meeting – June 2007



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# The End

## Comments?

## Questions?



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