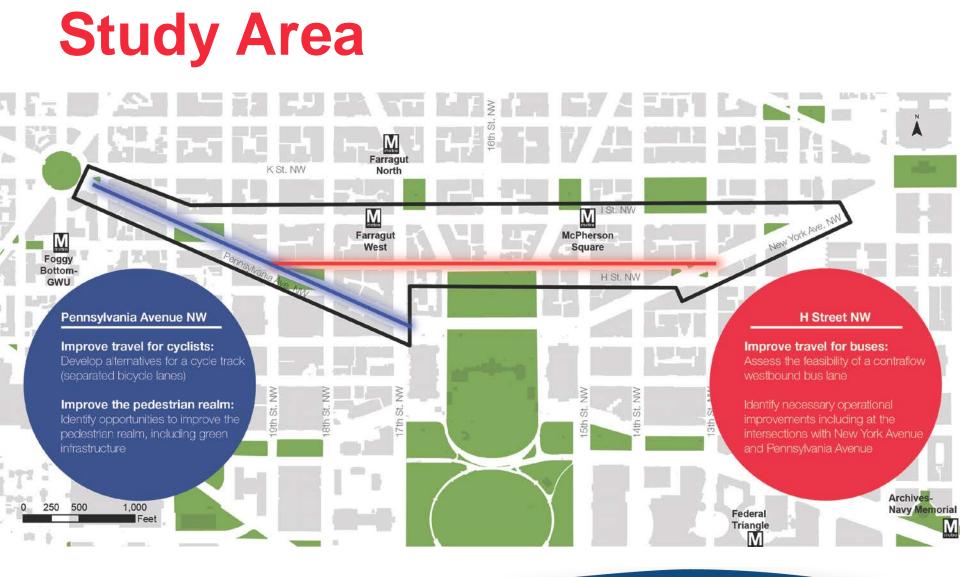


# **ANC 2A Meeting**

#### July 19, 2017

#### Megan Kanagy, Transportation Planner

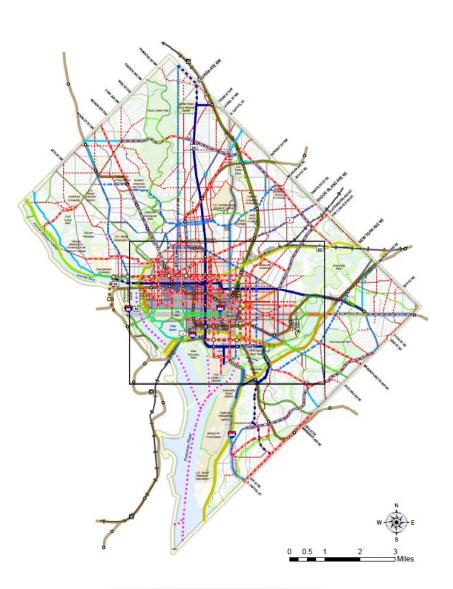






- Pennsylvania Avenue NW
- Cycle track

- H & I Streets NW
- High-capacity
  transit



### **Building on Past Work**



District Department of Transportation

# **Project Timeline**

	Identify Issues & Collect Data	PUBLIC KICK-OFF MEETING June 15, 2016		
		CAG MEETING #1 September 28, 2016		
	Develop Alternatives	PUBLIC ENGAGEMENT EVENTS October 20, 2016		
	Evaluate Alternatives	CAG MEETING #2 June 2017		
	Select Recommended Alternative	FINAL PUBLIC MEETING July 2017		

CAG: Citizens Advisory Group

# **Existing Conditions**

#### Pennsylvania Avenue NW

- 6 travel lanes plus parking
- Lack of cohesive streetscape
- Long crossings
- Excess vehicle capacity on some blocks





# **Existing Conditions**

#### H & I Streets NW

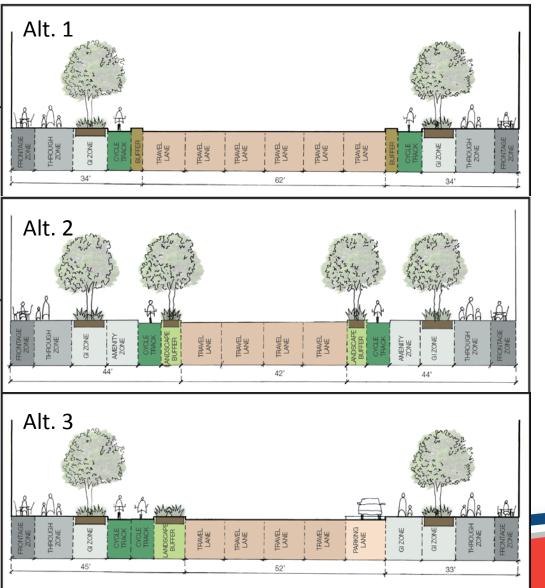
- H Street = 5 lanes eastbound
- I Street = 4 lanes westbound

Similar traffic volumes

- Very heavy bus volumes
  - Over 30 bus routes serving about 20% of daily Metrobus bus ridership (includes K Street)
  - I Street is more congested than H Street
  - I Street bus speeds average 3.6 MPH in the PM (15<sup>th</sup> to 17<sup>th</sup> Street)



#### **Alternatives**

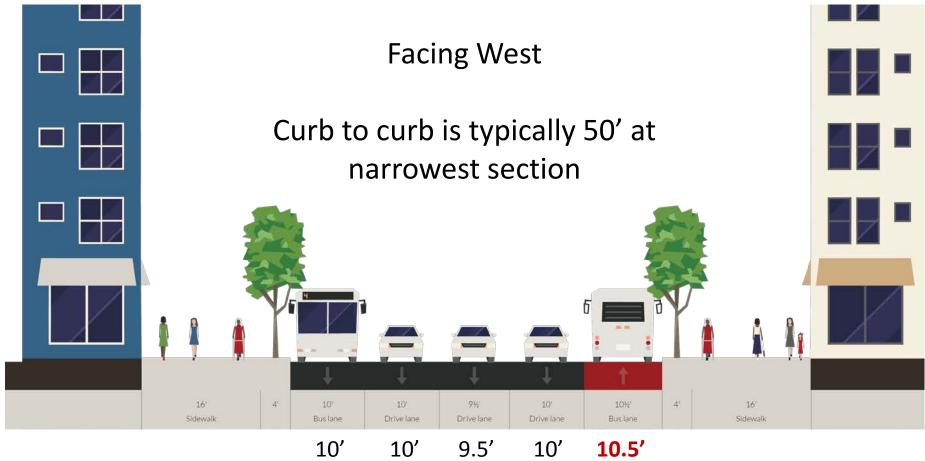


- Cycle track replaces parking lane
- Existing vehicle capacity maintained
- Limited pedestrian improvements
- H Street contraflow bus lane

- Cycle track on each side of street
- Widened sidewalks and double row of trees
- H Street contraflow bus lane

- Two-way cycle track on south side
- Widened sidewalks on north side with landscaping
- H Street contraflow bus lane

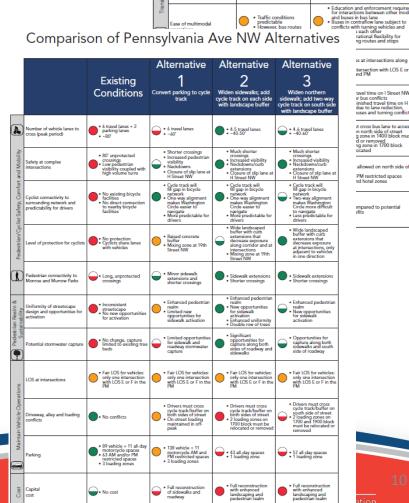
#### H Street with Bus Lane Cross Section



Note: lane widths pending further measurement in the design phase

# **Alternatives Analysis**

- Pedestrian/cyclist safety, comfort, and mobility
- Pedestrian realm and sustainability
- Maintain vehicle operations
- Transit performance
- Cost



ransit travel time

ansit on time performance

#### Feasibility of H Street NW Bus Lane

Existing

Conditions

0

H Street NW

Bus Lane

rt northern lane to w aflow bus lane; shift some buse m K Street NW and I Street NV WB bus travel times improv in H Street NW contraflow :



ravel time on I Street NW r bus conflicts inished travel time on H uses and turning confli

n north side of street zone in 1400 block r d or removed ng zone in 1700 block ocated

PM restricted spaces

impared to potential

#### **H Street: Benefits for Bus Riders**

- 49,000+ daily riders on routes shifted to H Street bus lane would benefit from approx. 30% - 50% faster travel times
- 40,000+ daily riders on routes remaining on I Street would benefit from approx. 15% faster travel times

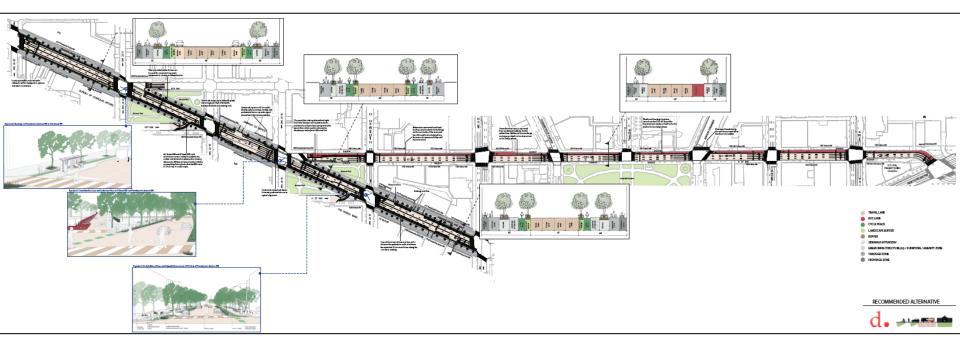


### **Recommended Alternative**

Alternative 2 with contraflow bus lane on H Street is the recommended alternative

- More analysis needed on H Street in preliminary engineering phase
  - Recommendation is to proceed with additional analysis and continued stakeholder coordination

### **Recommended Alternative**

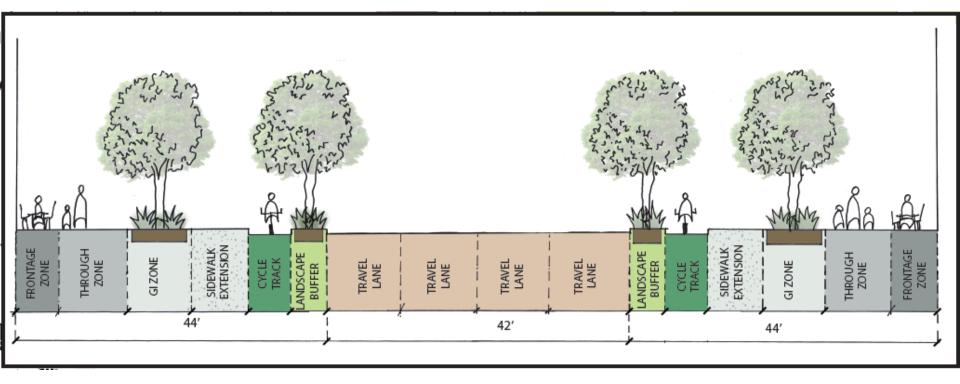


Roll map posted on project website: downtownwestdc.com

#### Recommended Alternative: Pennsylvania Avenue

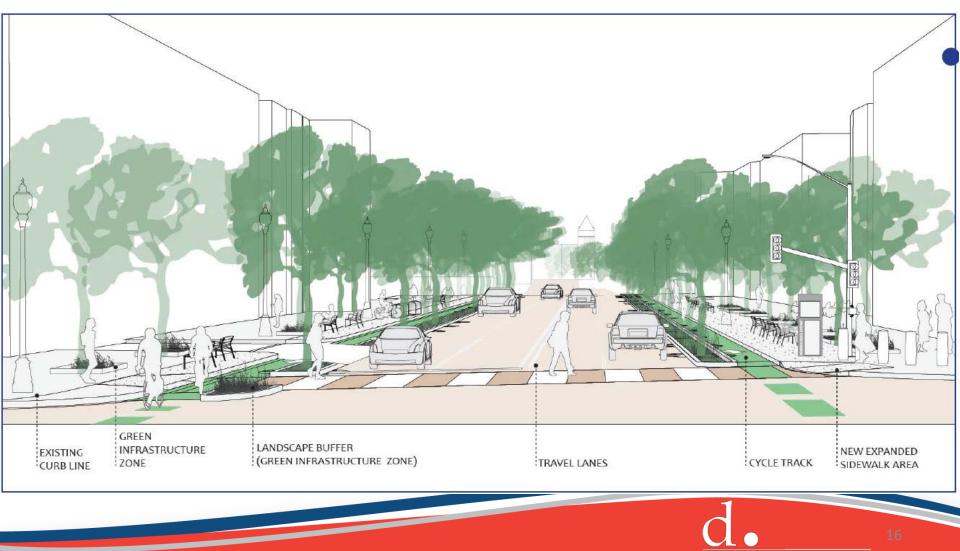
- One-way cycle track on each side with landscape buffer
- Double row of trees and 8' additional sidewalk width
- Shorter pedestrian crossings
- Space for programming, green infrastructure, seating, and sidewalk cafes
- Parking retained on some blocks, with potential for additional off-peak parking

# Recommended Alternative: 1700 Block of Penn. Ave.

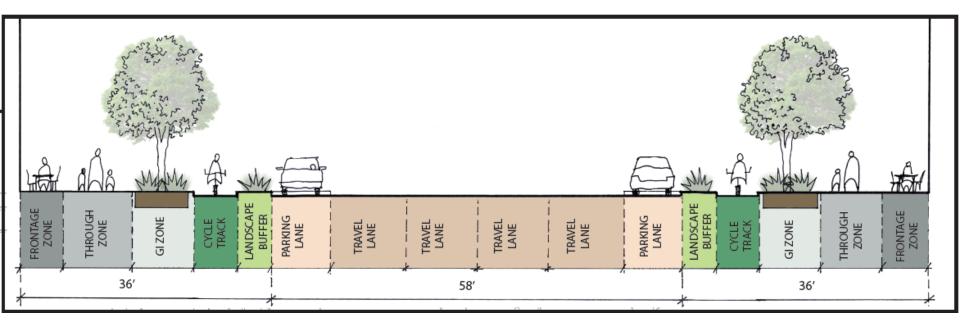




# Recommended Alternative: 1700 Block of Penn. Ave.



#### **Recommended Alternative:** 2100 Block of Penn. Ave.



#### **Recommended Alternative: Bus Stops on Penn. Ave.**

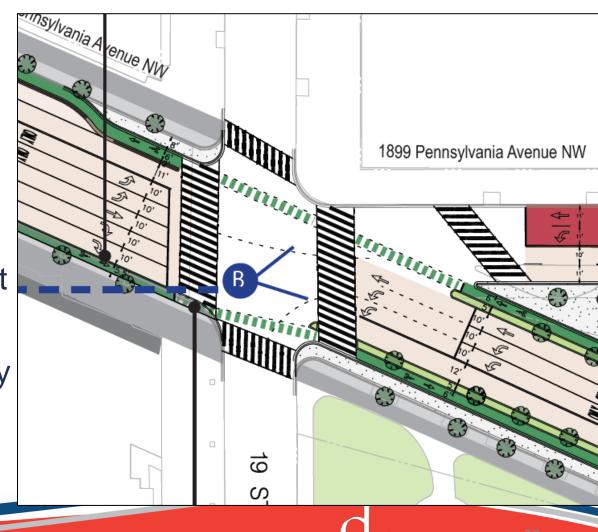


#### Recommended Alternative: Traffic Results

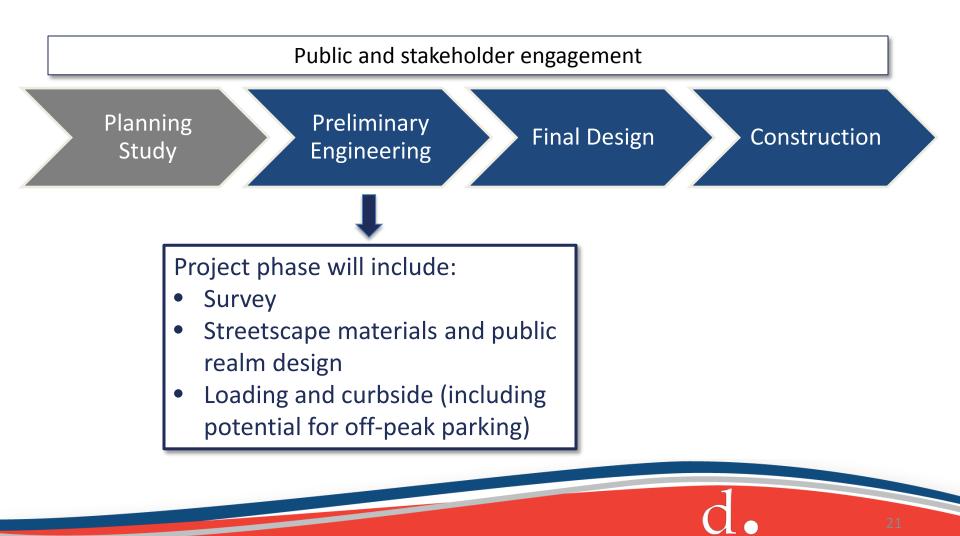
		AM PEAK		PM PEAK	
	Intersection		Rec Alt (2040)	Existing (2016)	Rec Alt (2040)
	H Street NW & 13th Street NW	В	В	В	В
	H Street NW & 14th Street NW	А	В	А	В
	H Street NW & 15th Street NW	А	В	В	В
	H Street NW & 16th Street NW	В	В	В	В
H Str	H Street NW & 17th Street NW	С	С	С	С
	H Street NW & 18th Street NW	А	С	А	В
	H Street NW & Connecticut Avenue NW	В	В	В	В
	H Street NW & New York Avenue NW	С	С	D	D
	New York Avenue NW & 13th Street NW	А	А	А	А
	H Street NW & Vermont Avenue NW	В	В	В	С
ısylvania Avenue	Pennsylvania Avenue NW & 17th Street NW	В	В	В	В
	Pennsylvania Avenue NW & 18th Street NW	В	В	В	С
	Pennsylvania Avenue NW & 19th/H Street NW	С	Е	С	F
	Pennsylvania Avenue NW & 20th Street NW	В	С	С	С
	Pennsylvania Avenue NW & 21st Street NW	С	D	В	D
	Pennsylvania Avenue NW & I Street	С	В	F	D
ď	Pennsylvania Avenue NW & 22nd Street NW	С	В	С	В

#### **Recommended Alternative:** Traffic Results - Penn Ave./19<sup>th</sup> St./H St.

- Bus phase for left turning buses from H Street bus lane
- Separate phases for eastbound dual right turns and bikes/pedestrians crossing 19<sup>th</sup> Street
- Separate phases result in more delay
  - More analysis will be done as part of the preliminary engineering phase



#### Pennsylvania Avenue Next Steps



District Department of Transportation

### H Street Next Steps: Preliminary Engineering

- Additional analysis needed including:
  - Alternative loading and access solutions for north side properties
  - Which bus routes use the bus lane
  - Number and location of bus stops
  - Roadway width confirmation
  - Operational considerations and safety
- Public and stakeholder engagement

# **Final Planning Study Meeting**

Thursday, July 20 6:30 PM – 8:00 PM Presentation at 7:00 PM

GWU Funger Hall, Room 222 2201 G Street NW

#### **Comment on the Recommended Alternative**

• Submit comments through August 21<sup>st</sup>

Mail, website, or email:
 megan.kanagy@dc.gov

 Attend tomorrow night's meeting or visit the project website for more information downtownwestdc.com

# **Thank you!**

Questions? Comments?

Megan Kanagy megan.kanagy@dc.gov 202-671-1598

#### downtownwestdc.com

