



# BARRACKS ROAD & EMMET STREET IMPROVEMENTS

## CITY COUNCIL DESIGN APPROVAL

SEPTEMBER 7, 2021



TIMMONS GROUP



## OVERALL PROJECT LIMITS



AERIAL MAP



TIMMONS GROUP



# SMART SCALE

Funding the Right Transportation Projects in Virginia

## SCOPE OF IMPROVEMENTS:

- ✓ ADDITIONAL NORTHBOUND RIGHT TURN LANE ON EMMET STREET
- ✓ ADDITIONAL WESTBOUND LEFT TURN LANE (CONCURRENT DUAL LEFTS) ON BARRACKS ROAD
- ✓ TRAFFIC SIGNAL IMPROVEMENTS
- ✓ PEDESTRIAN REFUGE ISLANDS AT INTERSECTION
- ✓ UPGRADED BIKE/PEDESTRIAN FACILITIES ON BARRACKS ROAD TO HILLTOP ROAD
- ✓ NEW CAT BUS SHELTER ON BARRACKS ROAD

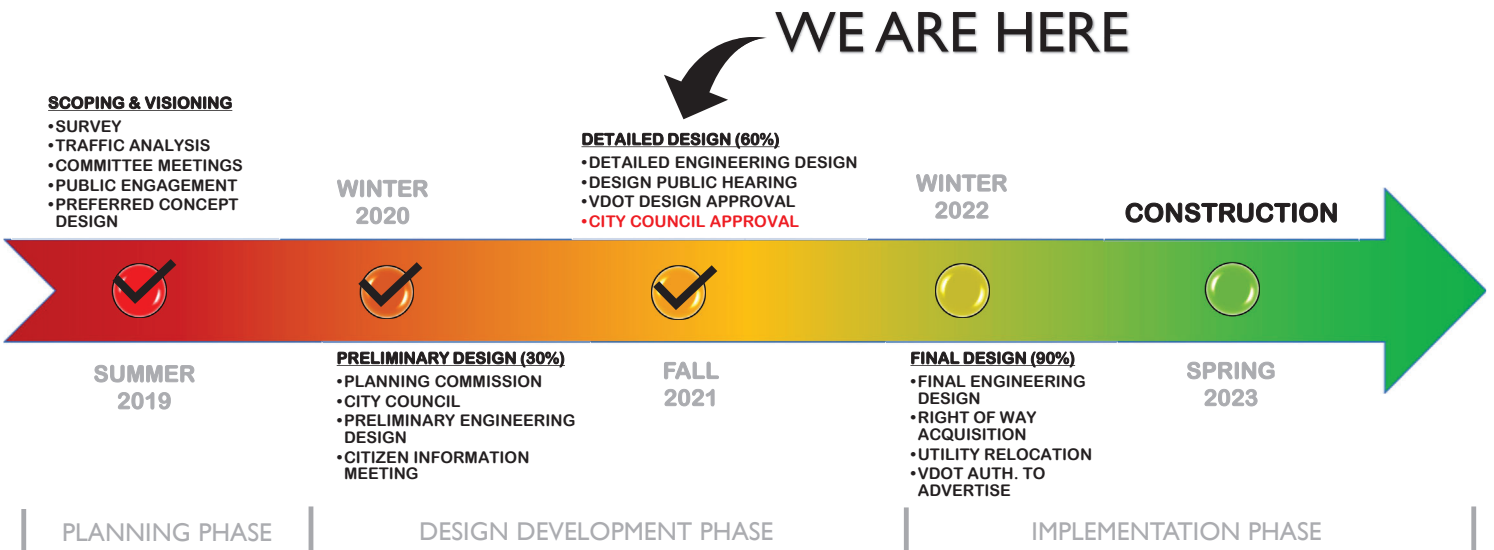
## TOTAL PROJECT BUDGET:

- ❖ TOTAL BUDGET = \$8,600,000
- ✓ PROJECT IS FULLY FUNDED THROUGH SMARTSCALE
- ✓ PROJECT IS ON-BUDGET
- ✓ PROJECT IS ON-SCHEDULE

# SMARTSCALE APPLICATION



## PROJECT DESCRIPTION



\*SCHEDULE CONSISTENT WITH PROGRAMMING OF VDOT FUNDS

# PROJECT SCHEDULE

TENTATIVE



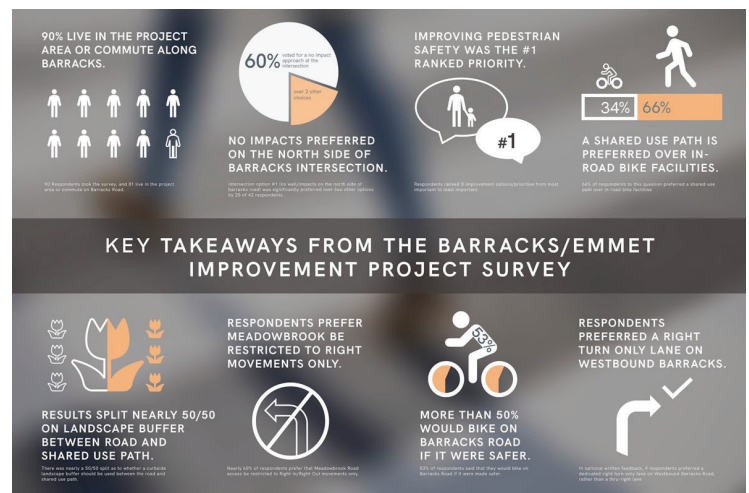




# PUBLIC ENGAGEMENT

## TIMELINE OF EVENTS/MEETINGS:

- JULY 23, 2019 – PROPERTY OWNER MEETINGS
- JULY 25, 2019 – STEERING COMMITTEE #1
- OCTOBER 2, 2019 – PUBLIC WORKSHOP
- OCTOBER 30, 2019 – STEERING COMMITTEE #2
- NOVEMBER 14, 2019 – PLACE COMMITTEE
- NOVEMBER 20, 2019 – PUBLIC OPEN HOUSE
- FEBRUARY 11, 2020 – PLANNING COMMISSION
- MARCH 2, 2020 – CITY COUNCIL MEETING
- OCTOBER 28, 2020 – STEERING COMMITTEE #3
- JULY 7, 2021 – DESIGN PUBLIC HEARING
- NOW – CITY COUNCIL APPROVAL AND THE START OF RIGHT-OF-WAY ACQUISITION



## STAKEHOLDER/CITIZEN MEETINGS

PUBLIC OUTREACH



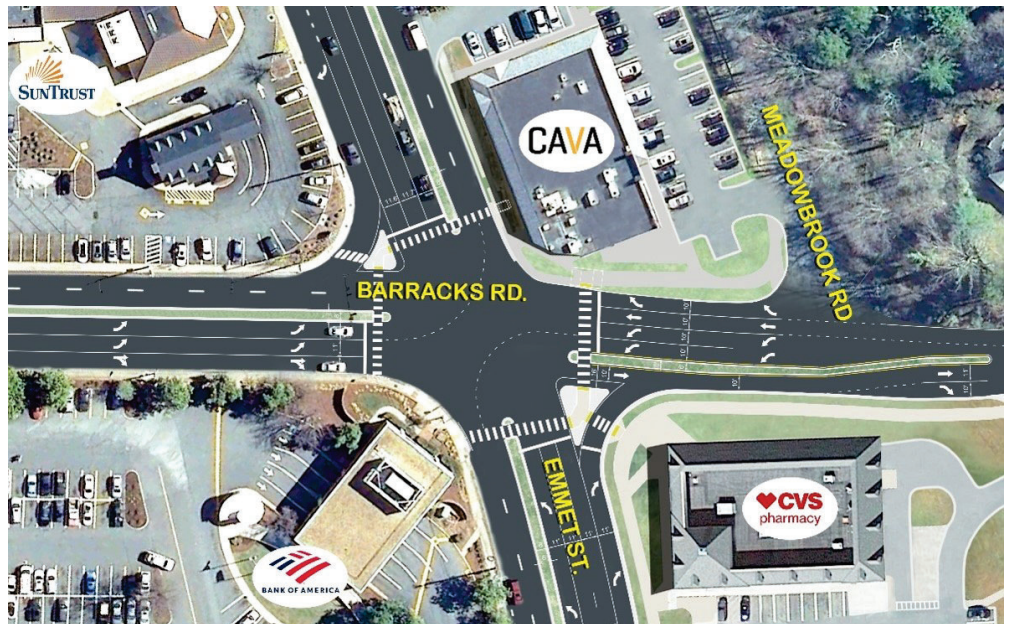




# DESIGN FEATURES

## HIGHLIGHTS AT THE INTERSECTION

- CONCURRENT EASTBOUND & WESTBOUND DUAL LEFT TURN LANES
- SIGNALIZED SLIP LANE WITH REFUGE ISLAND IN SE CORNER
- WIDER MEDIANS (6') TO PROVIDE PEDESTRIAN REFUGE
- SHORTER CROSSWALK DISTANCES
- UPGRADED TRAFFIC SIGNAL



## INTERSECTION IMPROVEMENTS

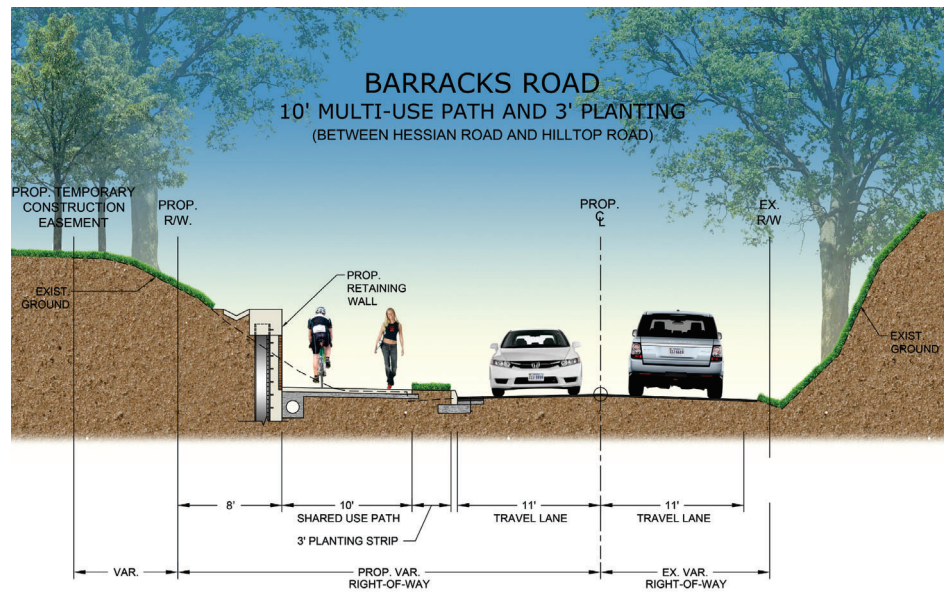
OPERATIONAL/SAFETY BENEFITS





# MULTI-MODEL IMPROVEMENTS ON BARRACKS ROAD

- TRAVEL LANE WIDTH REDUCTION
  - RE-PURPOSING OF EXISTING PAVEMENT
  - TRAFFIC CALMING!!
- 10' SHARED USE PATH
  - 8' FUNCTIONAL WIDTH + 2' SHOULDERS
  - 3' GRASS BUFFER FOR SIGNAGE & SEPARATION



## BARRACKS ROAD BIKE/PED

PREFERRED ALTERNATIVE



## EXISTING BARRACKS ROAD

EXISTING CONDITIONS







\*GRAPHICAL REPRESENTATION OF STREETScape COMPONENTS ONLY

# PROPOSED BARRACKS ROAD

POST-CONSTRUCTION



\*GRAPHICAL REPRESENTATION OF NIGHT-TIME LUMINATION

# BARRACKS ROAD AT NIGHT

PROPOSED WALL LIGHTING







# DESIGN PUBLIC HEARING

## **KEY TAKEAWAYS:**

- GENERAL AND REPEATED SUPPORT FOR THE IMPLEMENTATION OF BIKE/PEDESTRIAN IMPROVEMENTS
- CONCERNS WITH VEHICLE SPEEDS AND IMPACT ON PEDESTRIAN SAFETY CROSSING BARRACKS ROAD
- CONCERNS WITH SLIP LANES AT THE BARRACKS/EMMET INTERSECTION
- CONCERNS WITH IMPACT TO HOLLY TREES AT BUCKINGHAM ROAD
- CONCERNS WITH SHARROW (SHARED LANE) TERMINUS AT MEADOWBROOK
- CONCERNS WITH RETAINING WALL APPEARANCE & HEIGHT IN CERTAIN AREAS



## DESIGN PUBLIC HEARING

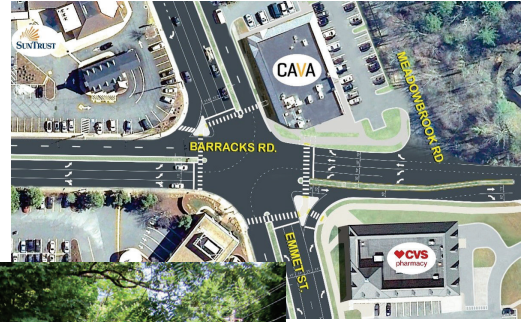
SUMMARY OF PUBLIC COMMENTS





# RECOMMEND APPROVAL OF THE MAJOR DESIGN FEATURES AS SHOWN AT THE DESIGN PUBLIC HEARING WITH 3 CHANGES RESULTING FROM PUBLIC HEARING COMMENTS:

1. SIGNALIZE THE SOUTHBOUND RIGHT TURN SLIP LANE ON EMMET ST. (MATCHING PLAN TO SIGNALIZE THE NORTHBOUND RIGHT TURN SLIP LANE)
2. ADD AN ADDITIONAL SHARROW (SHARED LANE) MARKING ON THE WESTBOUND APPROACH TO THE BARRACKS/EMMET SIGNAL
3. MINIMIZE IMPACTS TO EXISTING HOLLY TREES THAT EXIST AT THE BUCKINGHAM ROAD INTERSECTION



## RECOMMENDATION

PER PUBLIC COMMENT



PLEASE VISIT:

[www.barracksemmetimprovements.com](http://www.barracksemmetimprovements.com)

