

Barracks-Emmet Intersection Improvements



STEERING COMMITTEE MEETING 2

OCTOBER 30, 2019

TIMMONS GROUP



TODAY'S AGENDA

- **REVIEW SURVEY RESULTS**
- **INTERSECTION RECOMMENDATIONS**
- **BIKE/PEDESTRIAN RECOMMENDATIONS**
- **OTHER IMPROVEMENTS**
- **NEXT STEPS**





SURVEY RESULTS

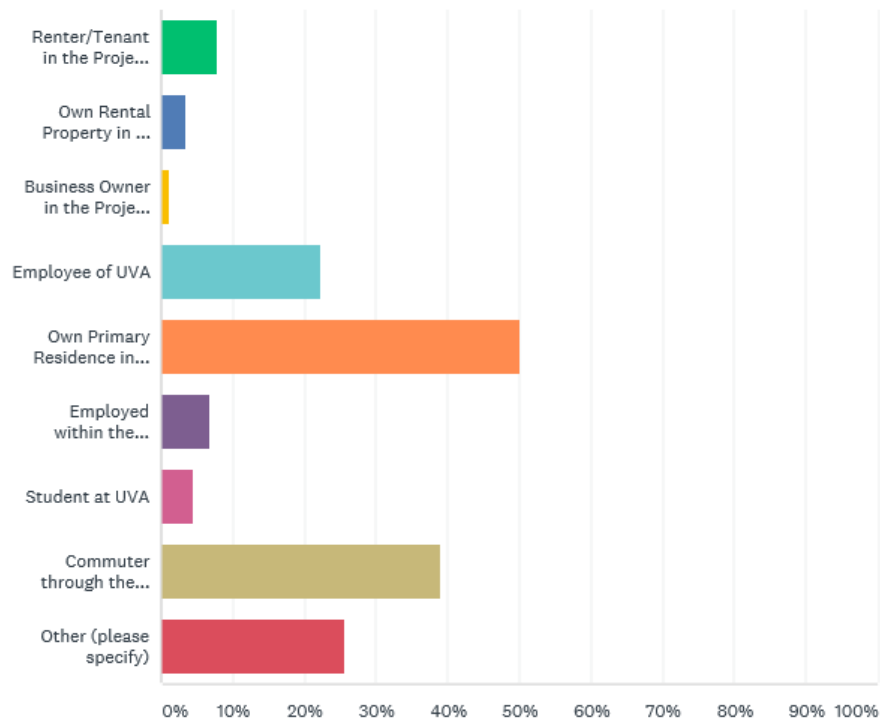
FEEDBACK FROM THE COMMUNITY



RESPONDENT INFORMATION & INTEREST IN THE PROJECT

Check those that best describe your interest in the project area (select all that apply)

Answered: 90 Skipped: 0



KEY TAKEAWAYS:

- ✓ 90 TOTAL RESPONDENTS TOOK THE SURVEY
- ✓ 71 OF 90 PROVIDED PERSONAL INFO
- ✓ ALL 90 IDENTIFIED INTEREST IN PROJECT
- ✓ 50% OWN RESIDENCE IN PROJECT AREA
- ✓ 40% COMMUTE THROUGH PROJECT AREA
- ✓ 22% ARE UVA EMPLOYEES

QUESTIONS #1 & #2

PROJECT SURVEY RESULTS



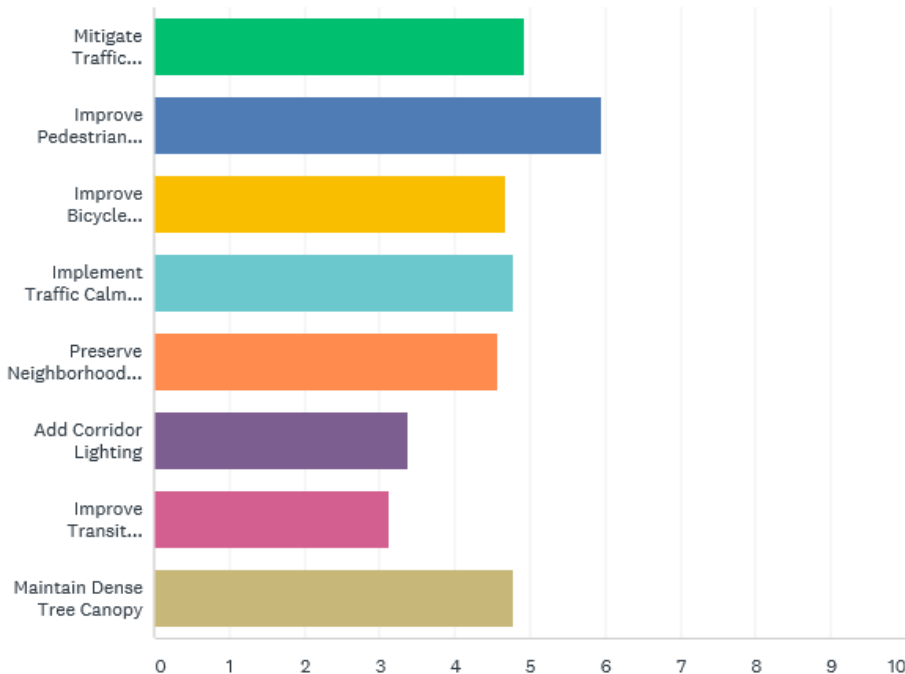
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PRIORITIES OF THE COMMUNITY

Please rank the following Barracks Road improvements you would most like to see implemented from most important to least important.

Answered: 81 Skipped: 9



RANKING OF PRIORITIES:

- 1) IMPROVE PEDESTRIAN SAFETY
- 2) MITIGATE TRAFFIC CONGESTION
- 3) MAINTAIN DENSE TREE CANOPY
- 4) IMPLEMENT TRAFFIC CALMING MEASURES
- 5) IMPROVE BICYCLE INFRASTRUCTURE
- 6) PRESERVE NEIGHBORHOOD CHARACTER
- 7) ADD CORRIDOR LIGHTING
- 8) IMPROVE TRANSIT FACILITIES

QUESTION #3

PROJECT SURVEY RESULTS



BIKE/PED IMPROVEMENT OPTIONS ON BARRACKS ROAD



QUESTION #4 – OPTION 1

PROJECT SURVEY RESULTS



BIKE/PED IMPROVEMENT OPTIONS ON BARRACKS ROAD



QUESTION #4 – OPTION 2

PROJECT SURVEY RESULTS



BIKE/PED IMPROVEMENT OPTIONS ON BARRACKS ROAD



QUESTION #4 – OPTION 3

PROJECT SURVEY RESULTS



BIKE/PED IMPROVEMENT OPTIONS ON BARRACKS ROAD



QUESTION #4 – OPTION 4

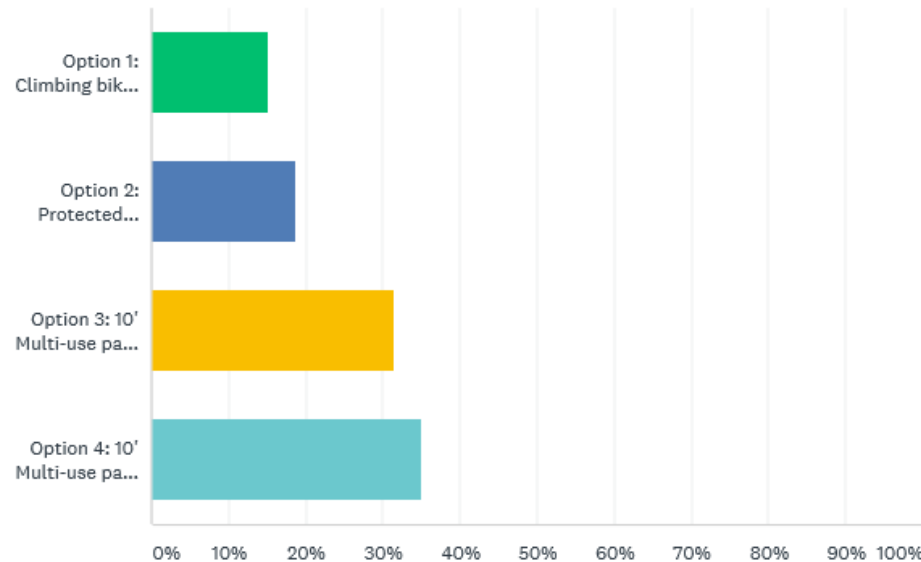
PROJECT SURVEY RESULTS



PREFERRED BIKE/PED IMPROVEMENTS ON BARRACKS ROAD

Which of the following bike/ped improvements would you most like to see implemented on the south side Barracks Road between Hessian Road and Hilltop Road? Reference images are below, please click OK after viewing each option

Answered: 86 Skipped: 4



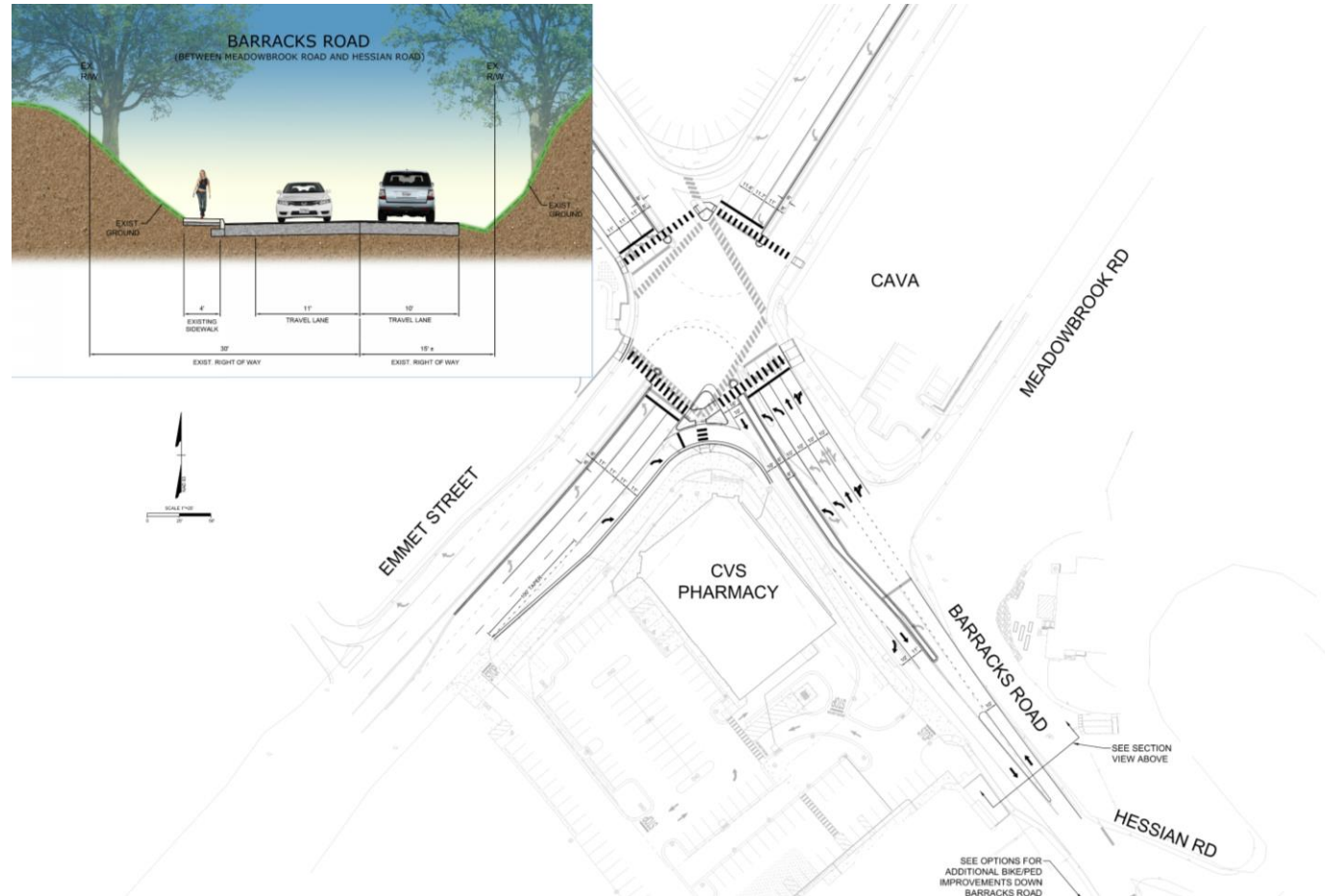
KEY TAKEAWAYS:

- ✓ **MULTI-USE PATH OPTION PREFERRED BY 67% OF RESPONDENTS**
- ✓ **30 OF 86 SELECTED OPTION 4**
- ✓ **27 OF 86 SELECTED OPTION 3**

QUESTION #4 - RESULTS

PROJECT SURVEY RESULTS

INTERSECTION IMPROVEMENT OPTIONS AT EMMET STREET

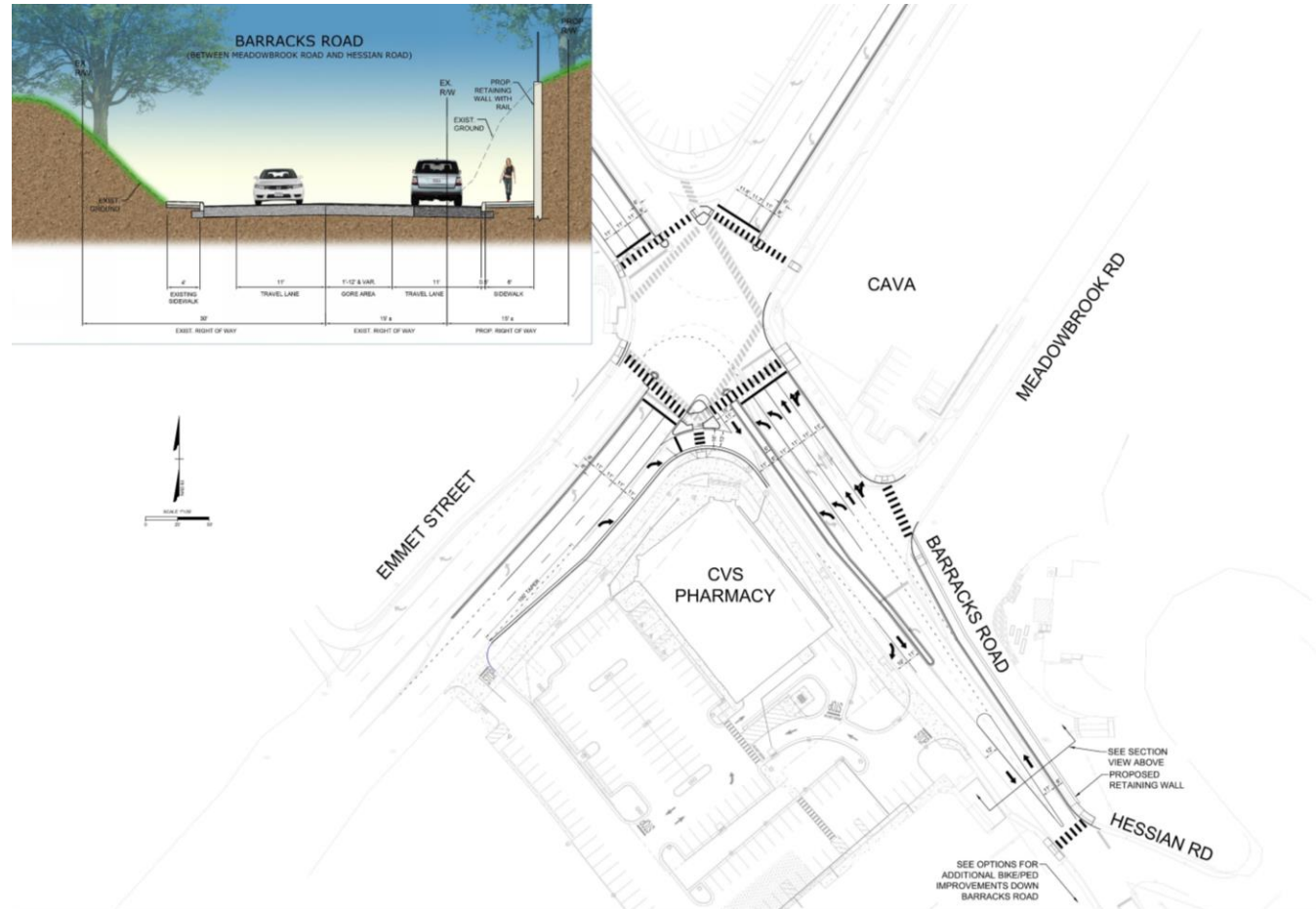


QUESTION #5 – OPTION 1

PROJECT SURVEY RESULTS



INTERSECTION IMPROVEMENT OPTIONS AT EMMET STREET

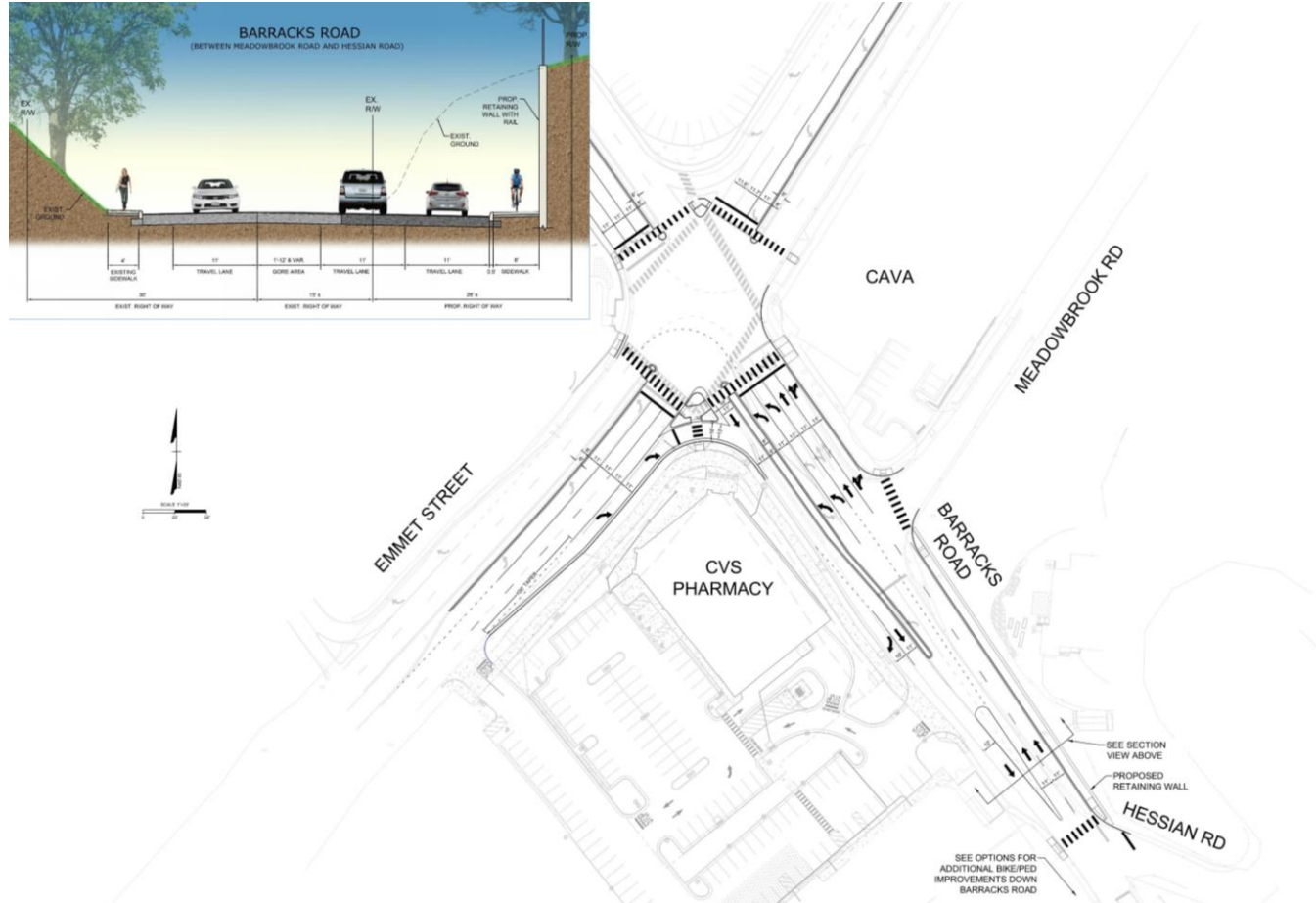


QUESTION #6 – OPTION 2

PROJECT SURVEY RESULTS



INTERSECTION IMPROVEMENT OPTIONS AT EMMET STREET



QUESTION #7 – OPTION 3

PROJECT SURVEY RESULTS



PUBLIC FEEDBACK ON 3 INTERSECTION OPTIONS

HIGHLIGHTS OF WRITTEN FEEDBACK:

- ✓ MANY PREFER A DEDICATED RIGHT TURN LANE RATHER THAN A SHARED THRU-RIGHT
- ✓ MAJORITY WANT TO MINIMIZE OR AVOID RETAINING WALLS
- ✓ SEVERAL RESPONDENTS LIKED THE INCLUSION OF A SIDEWALK ON THE NORTH SIDE BETWEEN MEADOWBROOK AND HESSIAN ROAD.
- ✓ 26 OF 43 RESPONDENTS PREFERRED OPTION 1
- ✓ 11 OF 40 RESPONDENTS PREFERRED OPTIONS 2 & 3

QUESTION #5, #6 & #7 - RESULTS

PROJECT SURVEY RESULTS



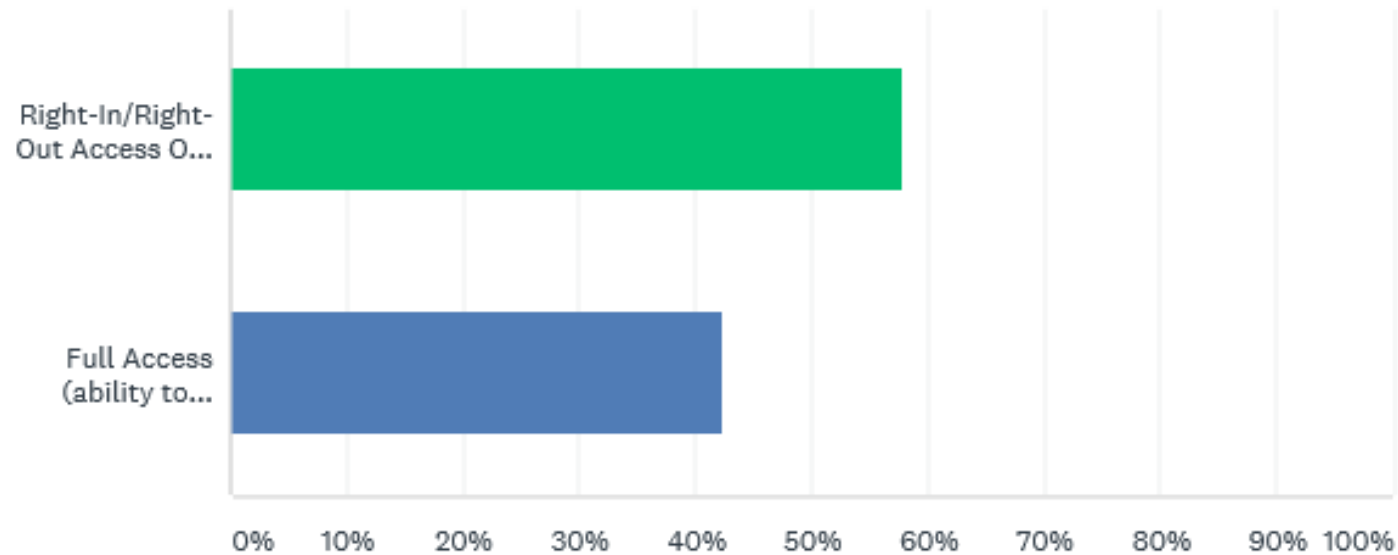
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SHOULD MEADOWBROOK ROAD ACCESS BE LIMITED?

Which of the following Barracks Road/Meadowbrook Road access options do you prefer?

Answered: 78 Skipped: 12



QUESTION #8

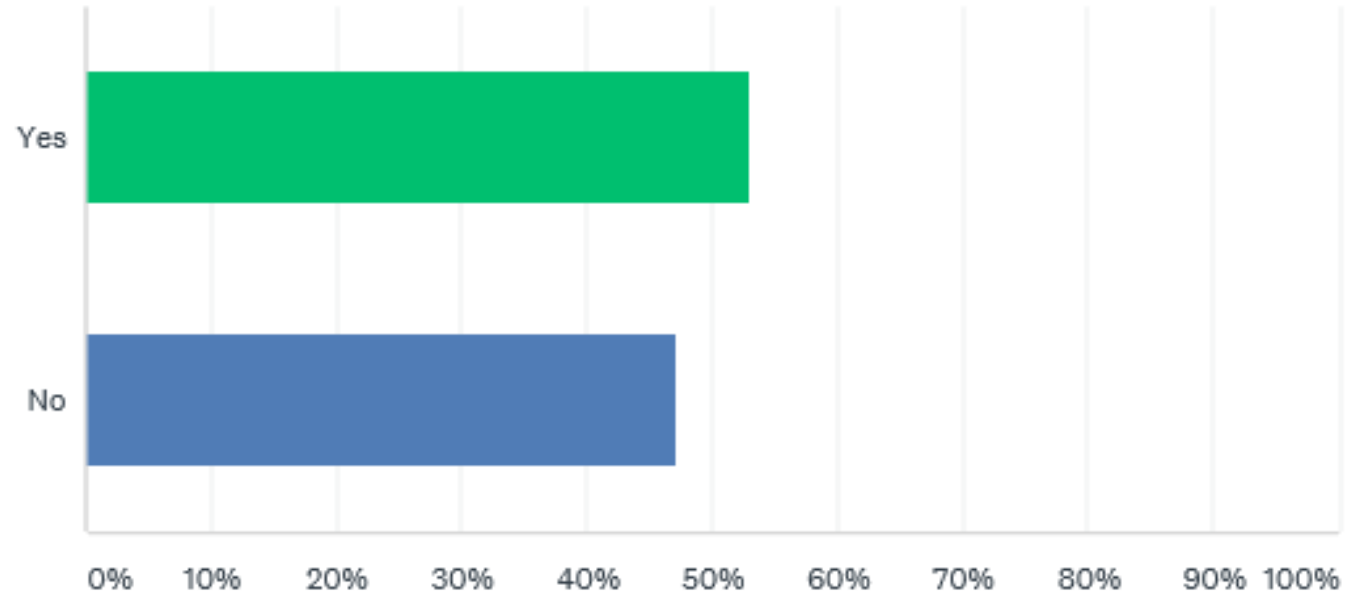
PROJECT SURVEY RESULTS



PUBLIC WILLINGNESS TO BIKE ON IMPROVED BARRACKS ROAD

If it were made safer, would you bike on Barracks Road?

Answered: 87 Skipped: 3



QUESTION #9

PROJECT SURVEY RESULTS



GENERAL FEEDBACK ON THE PROJECT

- ✓ 59 OF 90 RESPONDENTS PROVIDED ADDITIONAL FEEDBACK
- ✓ MOST REPEATED COMMENT: PROTECT NEIGHBORHOOD FEEL AND MINIMIZE RETAINING WALLS AS MUCH AS POSSIBLE
- ✓ MOST ARE IN FAVOR OF CREATING A SAFER PEDESTRIAN ENVIRONMENT
- ✓ ADDITIONAL SAFETY IMPROVEMENTS SHOULD BE INCLUDED AT HILLTOP/BUCKINGHAM ROAD DUE TO POOR SIGHT DISTANCE
- ✓ RIGHT TURN LANE ON WB BARRACKS ROAD SHOULD NOT BE THRU-RIGHT
- ✓ SPEED CONTROL/CALMING MEASURES SHOULD BE IMPLEMENTED

QUESTION #9 - RESULTS

PROJECT SURVEY RESULTS

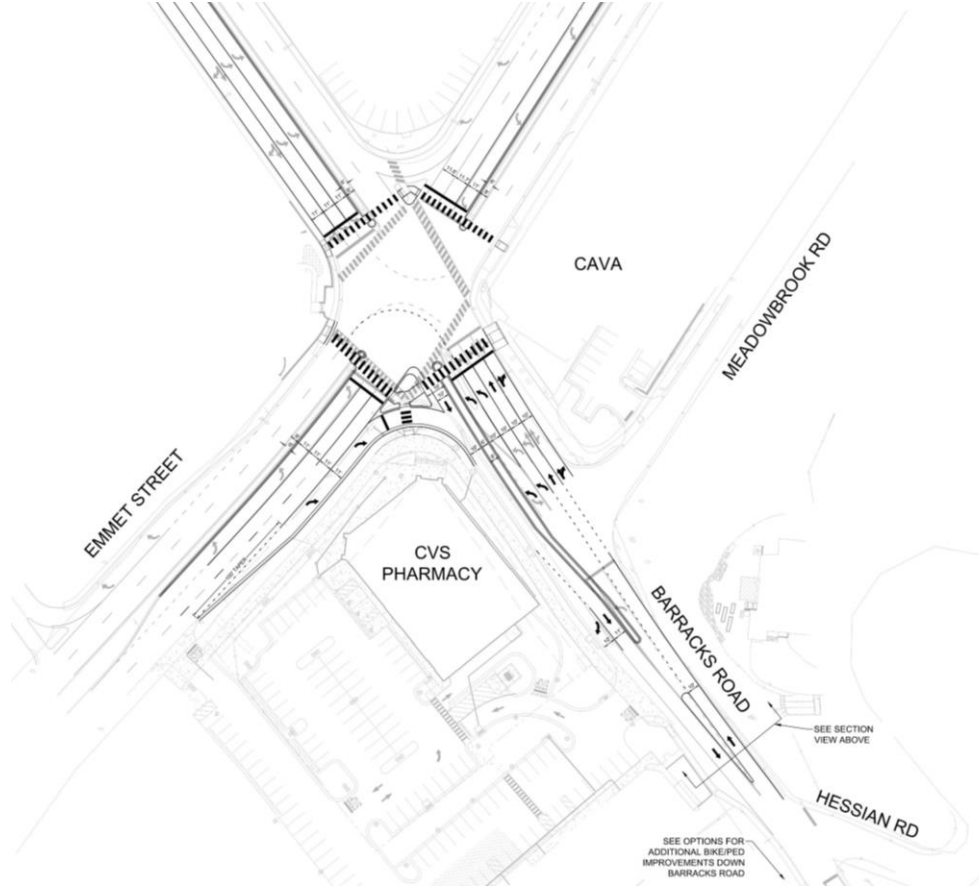


CHARLOTTESVILLE RECOMMENDATIONS

PROPOSED IMPROVEMENTS



IMPLEMENTATION OF INTERSECTION OPTION 1



WHY OPTION 1?

- ✓ MOST PREFERRED OPTION FROM SURVEY
- ✓ NO RETAINING WALLS
- ✓ LEAST IMPACT TO TREE CANOPY
- ✓ 10' TRAVEL LANES (TRAFFIC CALMING)
- ✓ 42% REDUCTION IN QUEUE LENGTH
- ✓ ACCEPTABLE V/C RATIO (0.88 IN PM PEAK)

WHAT DO YOU THINK?

CITY RECOMMENDATIONS

PROPOSED IMPROVEMENTS



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BIKE/PED IMPROVEMENTS – MULTI-USE PATH



OPTION 3

OPTION 4

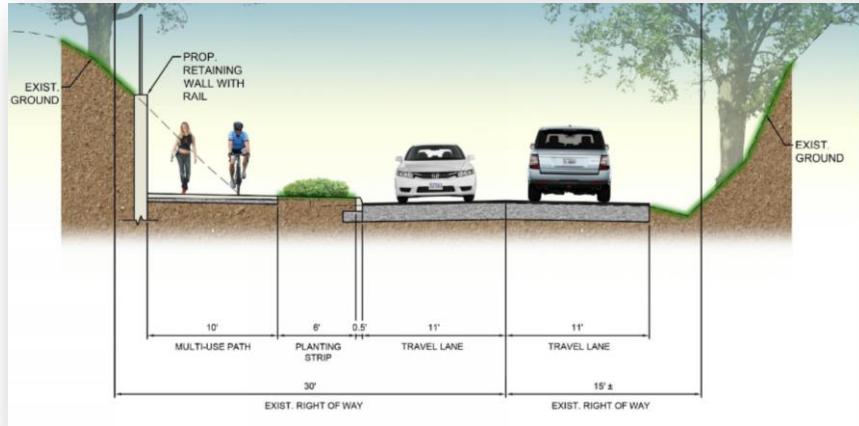


CITY RECOMMENDATIONS

PROPOSED IMPROVEMENTS

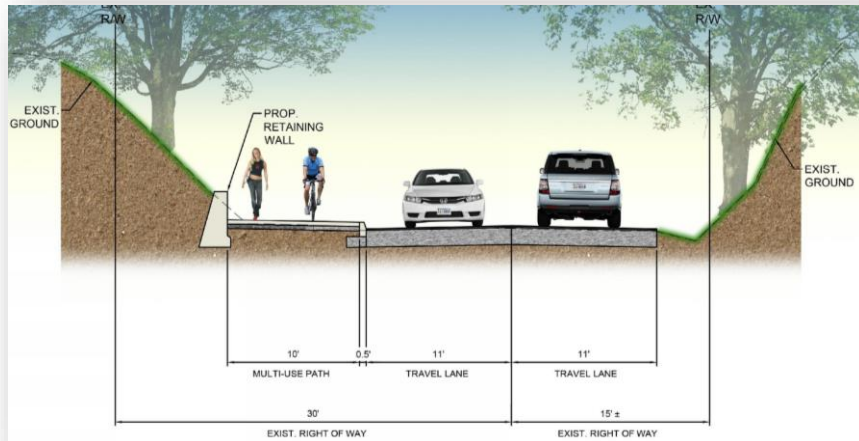


RETAINING WALL COMPARISON



OPTION 3 WALL HEIGHTS:

- ✓ AVERAGE HEIGHT: 5' TALL
- ✓ MIN. HEIGHT: 2' TALL
- ✓ MAX HEIGHT: 9' TALL



OPTION 4 WALL HEIGHTS:

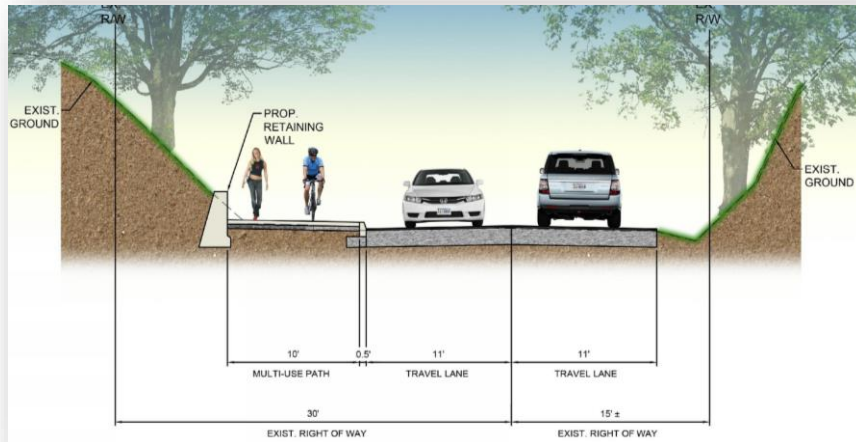
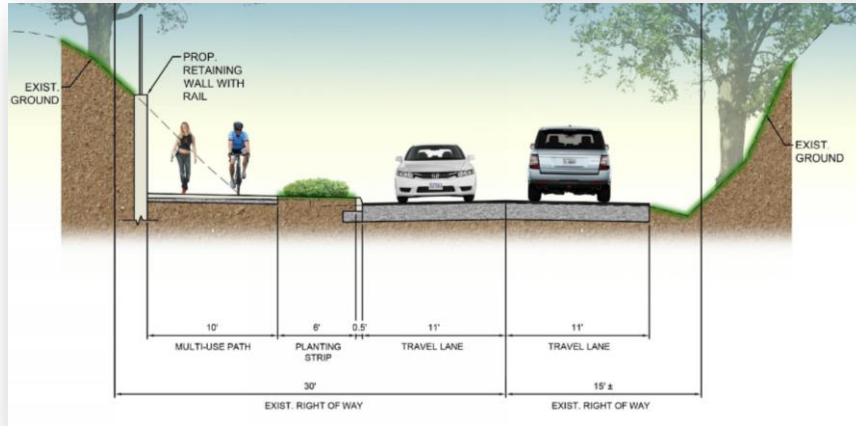
- ✓ AVERAGE HEIGHT: 3' TALL
- ✓ MIN. HEIGHT: 1.5' TALL
- ✓ MAX HEIGHT: 6' TALL

OPTION 3 vs. OPTION 4

PROPOSED IMPROVEMENTS



COMPARISON OF BENEFITS FOR EACH OPTION



OPTION 3 BENEFITS:

- ✓ BEST ACCOMMODATES PED SAFETY
(GREATEST SEPARATION FROM TRAFFIC)
- ✓ MOST CONSISTENT W/ CITY'S STREETS
THAT WORK PLAN (& FED. STANDARDS)
- ✓ STREET LIGHTING & ROADWAY SIGNAGE
- ✓ GRADE ADJUSTMENTS AT ENTRANCES

OPTION 4 BENEFITS:

- ✓ SHORTEST WALLS/LEAST IMPACT
- ✓ LEAST COST OPTION
- ✓ OTHERS?

OPTION 3 vs. OPTION 4

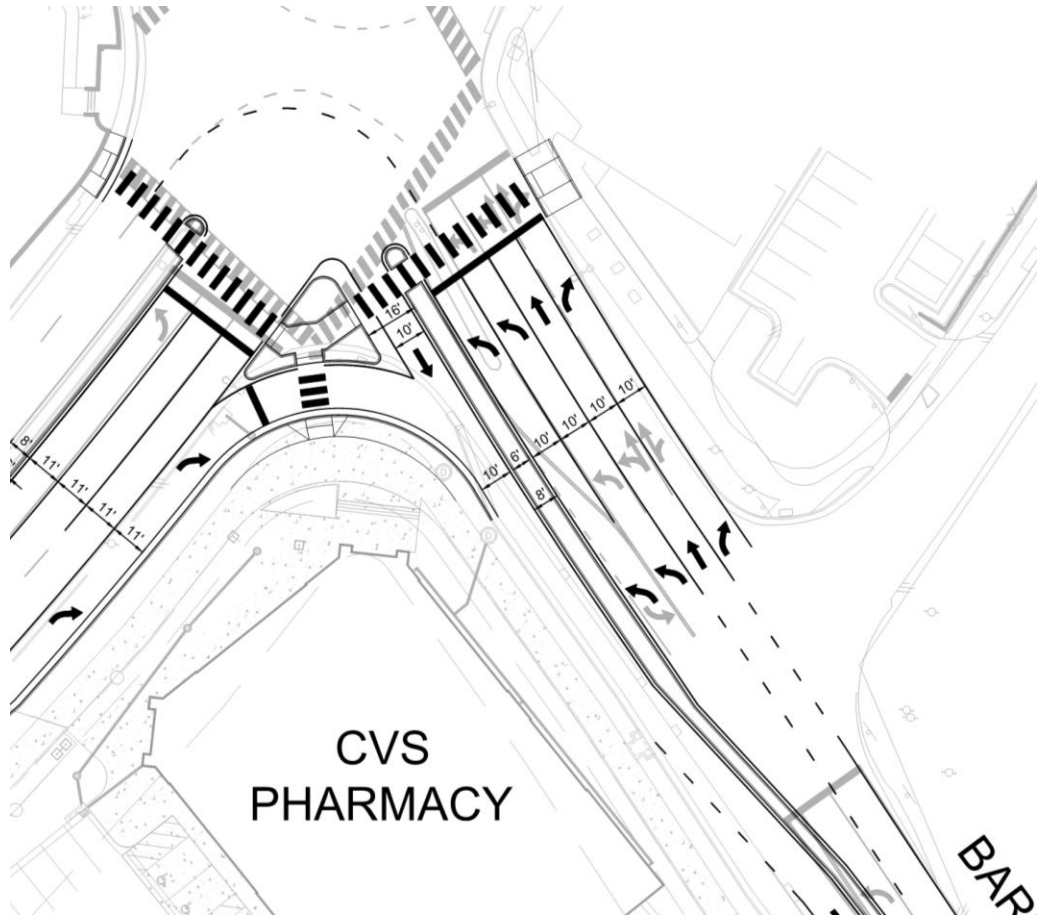
PROPOSED IMPROVEMENTS



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OTHER NOTABLE IMPROVEMENTS TO IMPLEMENT



ADDITIONAL RECOMMENDATIONS:

- ✓ CHANGE THRU-RIGHT TO RIGHT TURN ONLY
- ✓ RIGHT-IN/RIGHT-OUT AT MEADOWBROOK
- ✓ RELOCATE CURB UP BARRACKS TO NARROW LANES TO 11' WIDTH (TRAFFIC CALMING)

OTHER IMPROVEMENTS?

- ✓ STREET LIGHTING AND/OR STREET TREES?
- ✓ FUTURE TRAFFIC STUDY AT HILLTOP

CITY RECOMMENDATIONS

PROPOSED IMPROVEMENTS

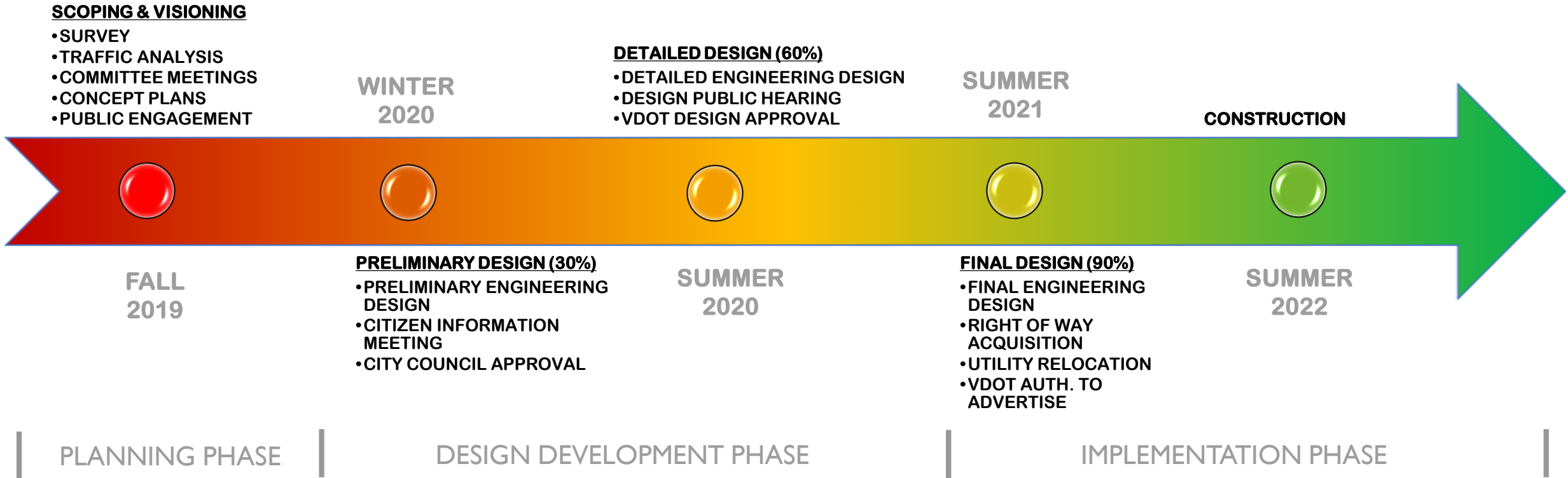




NEXT STEPS

2019 TENTATIVE DATES





2019 PUBLIC ENGAGEMENT SCHEDULE

- TECHNICAL/STEERING COMMITTEE MEETING #1 – JULY
- PUBLIC WORKSHOP – SEPTEMBER
- TECHNICAL/STEERING COMMITTEE MEETING #2 – OCTOBER
- PUBLIC OPEN HOUSE – WEDNESDAY, NOVEMBER 20th
- PLANNING COMMISSION – TUESDAY, DECEMBER 10th

