

Phase II – Preferred Alternatives

S Crater Road at Wagner Road and S Crater Road at Crater Circle



PROJECT DESCRIPTION

The improvements proposed at this location include:

- Add northbound right-turn bay at the intersection of S Crater Rd and Wagner Rd
- Signal timing improvements
- Signal equipment improvements
- Install uniform street signs
- Install lane extension pavement marking guidance for dual left turns
- Add sidewalks, crosswalks, & pedestrian signals
- Add intersection lighting
- Close one Subway driveway and one Enterprise driveway, and restrict lefts out of Wawa at the intersection of S Crater Rd and Wagner Rd
- Extend the northbound median at the intersection of S Crater Rd and S Crater Circle

PROJECT BENEFITS

These traffic control and pedestrian improvements will improve the safety of these intersections. Introducing access management will reduce the number of conflict points. Additionally, installing right-turn bays is expected to improve operations along the corridor.

PROJECT NEEDS

This project helps address VTrans needs associated with safety, congestion, and pedestrian access.

Need	Priority
Pedestrian/Bicycle Access	High
Transit/TDM	Very High
Congestion Mitigation	Medium
Safety Improvement	Very High

SURVEY SUMMARY

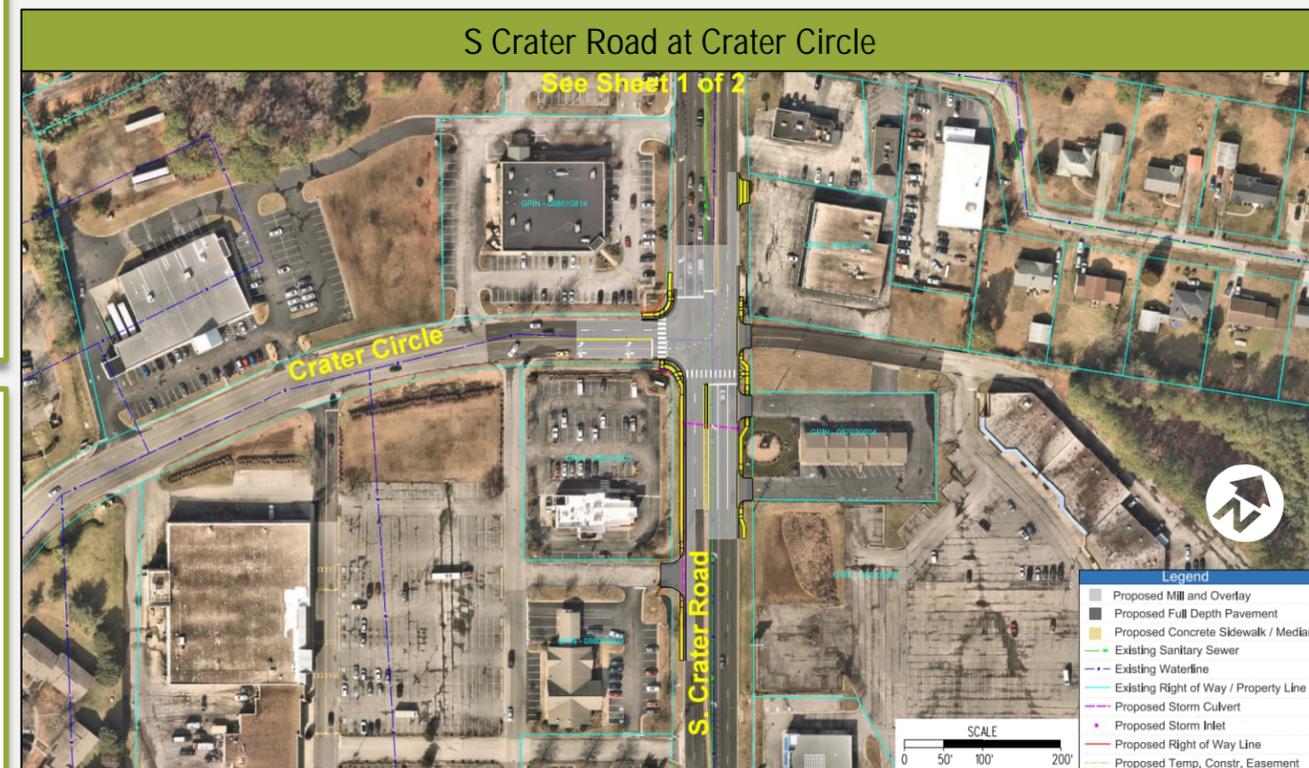
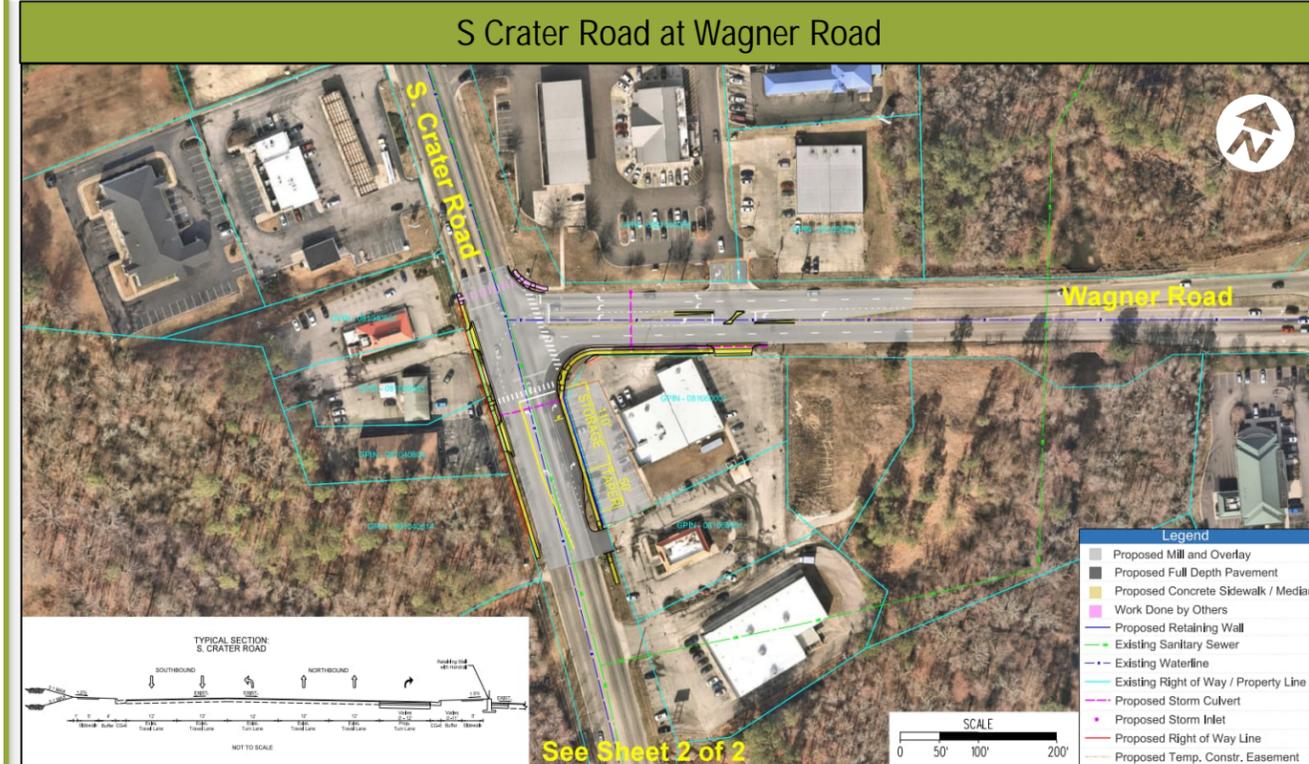
- The PublicInput.com survey ran between April 15 to 29, 2024 (15 days)
- Survey included 337 participants
- Alternatives rated on a scale of 5

S Crater Road at Wagner Road Survey Summary

Improvement	Rating
NB right turn bay	4.42
Access management	3.58
Signal equipment improvements	4.47
Intersection lighting	4.48
Lane extension markings	4.45
Install sidewalk	4.17
Average Rating:	4.26

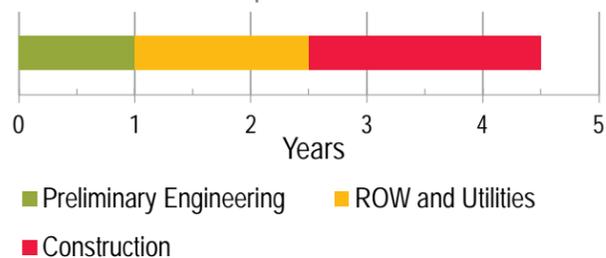
S Crater Road at Crater Circle Survey Summary

Improvement	Rating
Extend NB median	4.15
Signal timing improvements	4.37
Signal equipment improvements	4.21
Intersection lighting	4.45
Install sidewalk	4.21
Lane extension markings	4.35
Average Rating:	4.29



SCHEDULE AND ESTIMATE

Anticipated Schedule



S Crater Road at Wagner Road & Crater Circle Cost Estimate

Construction Cost	\$7,602,233
PE Cost	\$1,977,750
RW Cost	\$1,612,800
CEI	\$1,414,369
Total	\$12,607,152

Note: Project schedules and cost estimates were developed based on information available at the time of study and should be reassessed prior to submitting funding applications.

Phase II – Preferred Alternative Wagner Road at Normandy Drive



PROJECT DESCRIPTION

The improvements proposed at this location include:

- Add a SB right turn lane
- Add a NB right turn lane (by others)
- Signal timing and phasing optimization
- Yellow reflective backplates on signal heads
- Install uniform street name signs
- Add intersection lighting

PROJECT BENEFITS

These traffic control and geometric improvements will improve the operation of the intersection. Additionally, installing right-turn bays is expected to reduce rear-end crashes along the respective approaches.

PROJECT NEEDS

This project helps address VTrans needs associated with safety, and congestion.

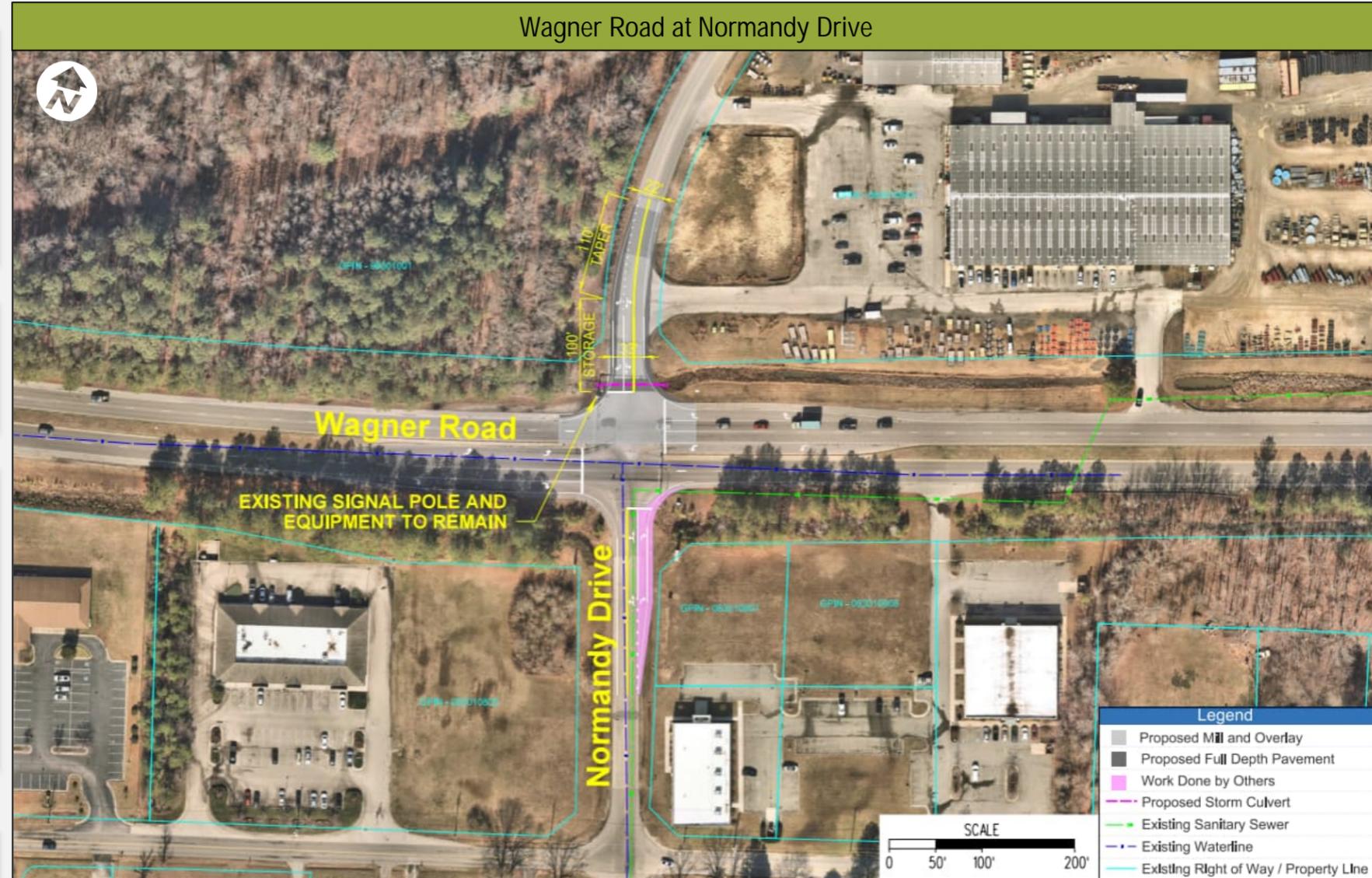
Need	Priority
Pedestrian/Bicycle Access	High
Transit/TDM	Very High
Congestion Mitigation	Medium
Safety Improvement	Very High

SURVEY SUMMARY

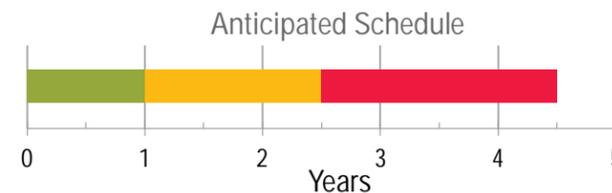
- The PublicInput.com survey ran between April 15 to 29, 2024 (15 days)
- Survey included 337 participants
- Alternatives rated on a scale of 5

Wagner Road at Normandy Dr Survey Summary

Improvement	Rating
SB right turn bay	4.19
Intersection lighting	4.36
Signal equipment improvements	4.21
Uniform street signs	4.38
Average Rating:	4.29



SCHEDULE AND ESTIMATE



- Preliminary Engineering
- ROW and Utilities
- Construction

Note: Project schedules and cost estimates were developed based on information available at the time of study and should be reassessed prior to submitting funding applications.

Wagner & Normandy Cost Estimate

Construction Cost	\$ 1,459,013
PE Cost	\$481,950
RW Cost	\$241,250
CEI	\$ 308,662
Total	\$2,490,875

Phase II – Preferred Alternative Rives Road at I-95 Ramps



PROJECT DESCRIPTION

The improvements proposed at this location include:

- Add roundabout at the SB off ramp
- Add a SB right turn lane along SB off ramp
- Add an EB right turn lane along Rives Road
- Add roundabout at the NB off ramp
- Add a WB right turn lane along Rives Road
- Add intersection lighting at the roundabouts

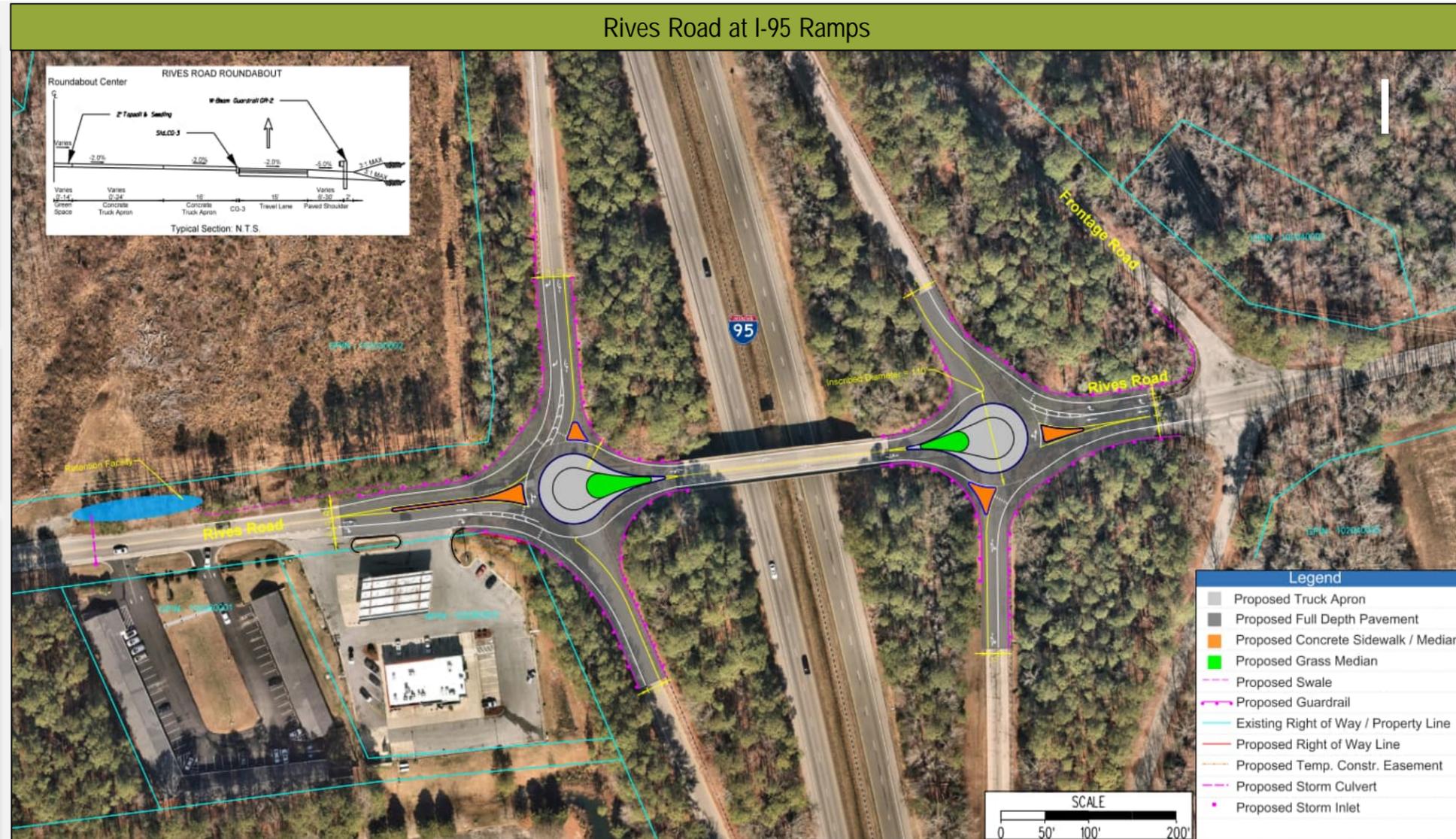
PROJECT BENEFITS

These geometric changes will improve the safety and operation of these intersections. Additionally, installing right-turn/slip lanes is expected to reduce rear-end crashes along the respective approaches.

PROJECT NEEDS

This project helps address VTrans needs associated with safety, and congestion mitigation.

Need	Priority
Pedestrian/Bicycle Access	High
Transit/TDM	Very High
Congestion Mitigation	Medium
Safety Improvement	Very High



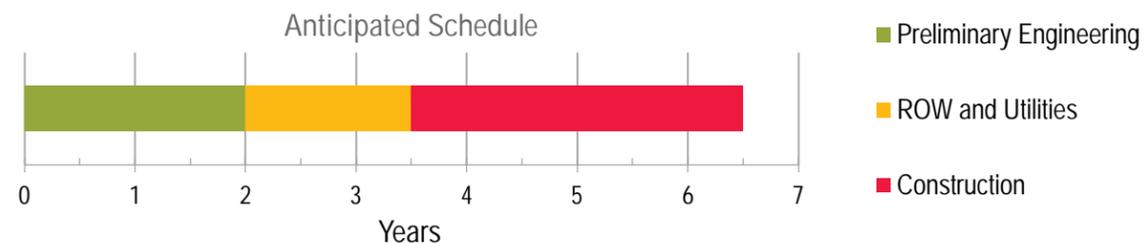
SURVEY SUMMARY

Rives Road at I-95 Ramps Survey Summary

- The PublicInput.com survey ran between April 15 to 29, 2024 (15 days)
- Survey included 337 participants
- Alternatives rated on a scale of 5

Improvement	Rating
Install roundabouts	4.21
Intersection lighting	4.38
Average Rating:	4.29

SCHEDULE AND ESTIMATE

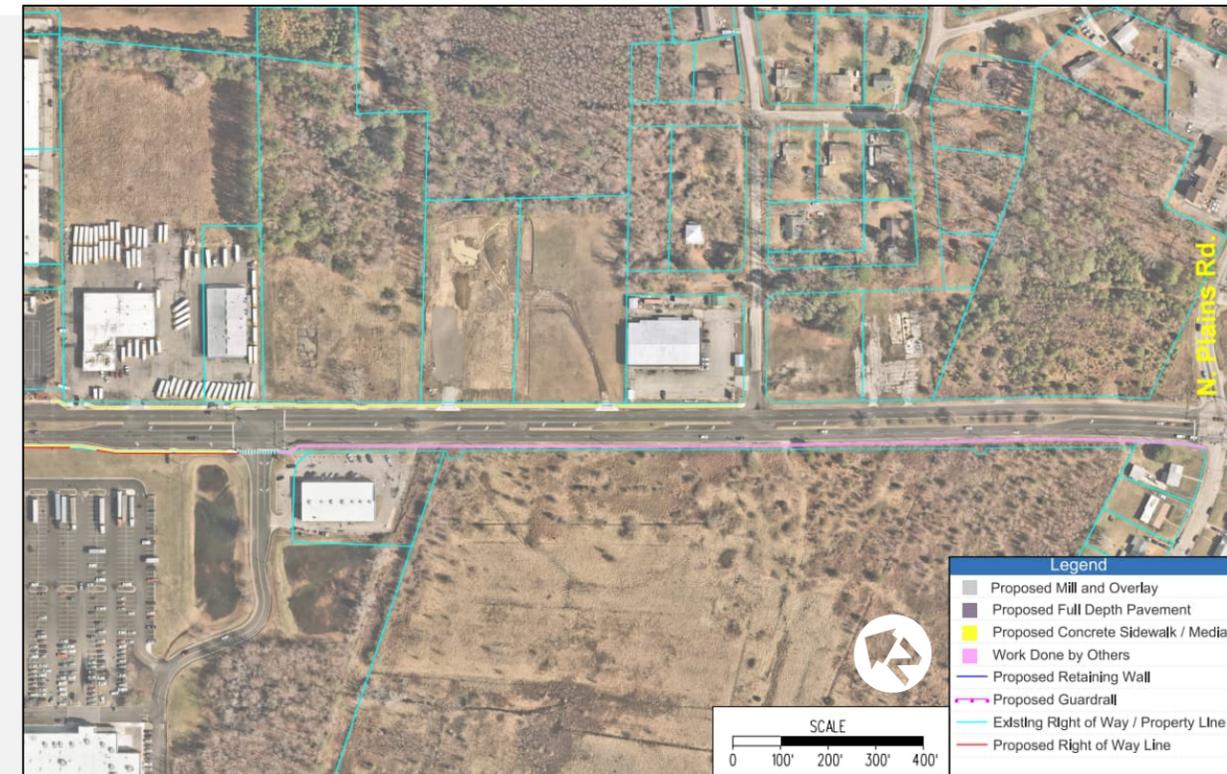


Note: Project schedules and cost estimates were developed based on information available at the time of study and should be reassessed prior to submitting funding applications.

Rives Road Roundabouts Cost Estimate

Construction Cost	\$18,805,249
PE Cost	\$2,739,150
RW Cost	\$1,185,000
CEI	\$3,498,651
Total	\$ 26,228,050

Phase II – Preferred Alternative S Crater Road Corridor



PROJECT DESCRIPTION
The improvements proposed at this location include:

- Add pedestrian signals at all 5 signalized intersections along S Crater Rd
- Construct sidewalk along south side of Wagner Rd from S. Crater Rd to Medical Park Blvd
- Construct continuous sidewalk network along S Crater Rd from Wagner Rd to Rives Rd/ N Plains Dr

PROJECT BENEFITS
This alternative will improve pedestrian safety and access by providing a continuous network of pedestrian facilities along the corridor.

PROJECT NEEDS
This project helps address VTrans needs associated with pedestrian access and safety.

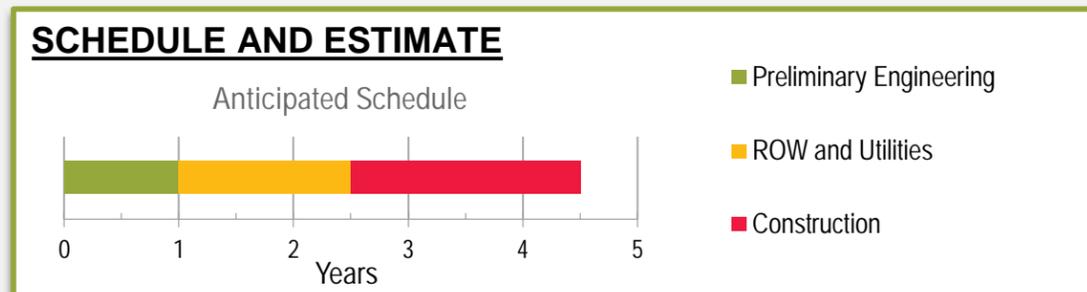
Need	Priority
Pedestrian/Bicycle Access	High
Transit/TDM	Very High
Congestion Mitigation	Medium
Safety Improvement	Very High

SURVEY SUMMARY

- The PublicInput.com survey ran between April 15 to 29, 2024 (15 days)
- Survey included 337 participants
- Alternatives rated on a scale of 5

**S Crater Road Corridor
Survey Summary**

Improvement	Rating
Continuous sidewalk network	4.26
Sidewalk along southside of Wagner Rd	4.18
Pedestrian facilities	4.24
Average Rating:	4.23



**Corridor-Wide Sidewalk
Cost Estimate**

Construction Cost	\$4,369,000
PE Cost	\$1,365,000
RW Cost	\$4,962,000
CEI	\$786,420
Total	\$ 11,482,420

Note: Project schedules and cost estimates were developed based on information available at the time of study and should be reassessed prior to submitting funding applications.