
VDOT
Virginia Department of Transportation

SMART SCALE UPDATE

Citizens Transportation Advisory Committee

Charles Proctor

September 18, 2024

Meeting Agenda

1. CAMPO SMART Scale Round 6 Applications
   - 5th St – I64 Interchange
   - US 250 – Pantops Corridor Improvments
   - Barracks Rd Corridor and US 29/250 Bypass Interchange Study

2. Albemarle County SMART Scale Round 6 Applications
   - US 250 – Old Trail/WAHS Intersection Improvements
   - Rte. 643 (Rio Rd) – Hillsdale/Old Brook Rd Intersection Improvements
   - Barracks Rd Corridor and US 29/250 Bypass Interchange Study
   - US 29 – Rte. 692 (Plank Rd) Intersection Improvement

CAMPO – SMART Scale Round 6 Project List

- 5th St.- I64 Interchange Improvements
- US 250 – Pantops Corridor Pipeline Study recommendations
- Barracks Rd Pipeline Corridor Study (Georgetown Rd to Emmet St.)
- Barracks Rd Interchange Pipeline Study (Interchange to Emmet St.)

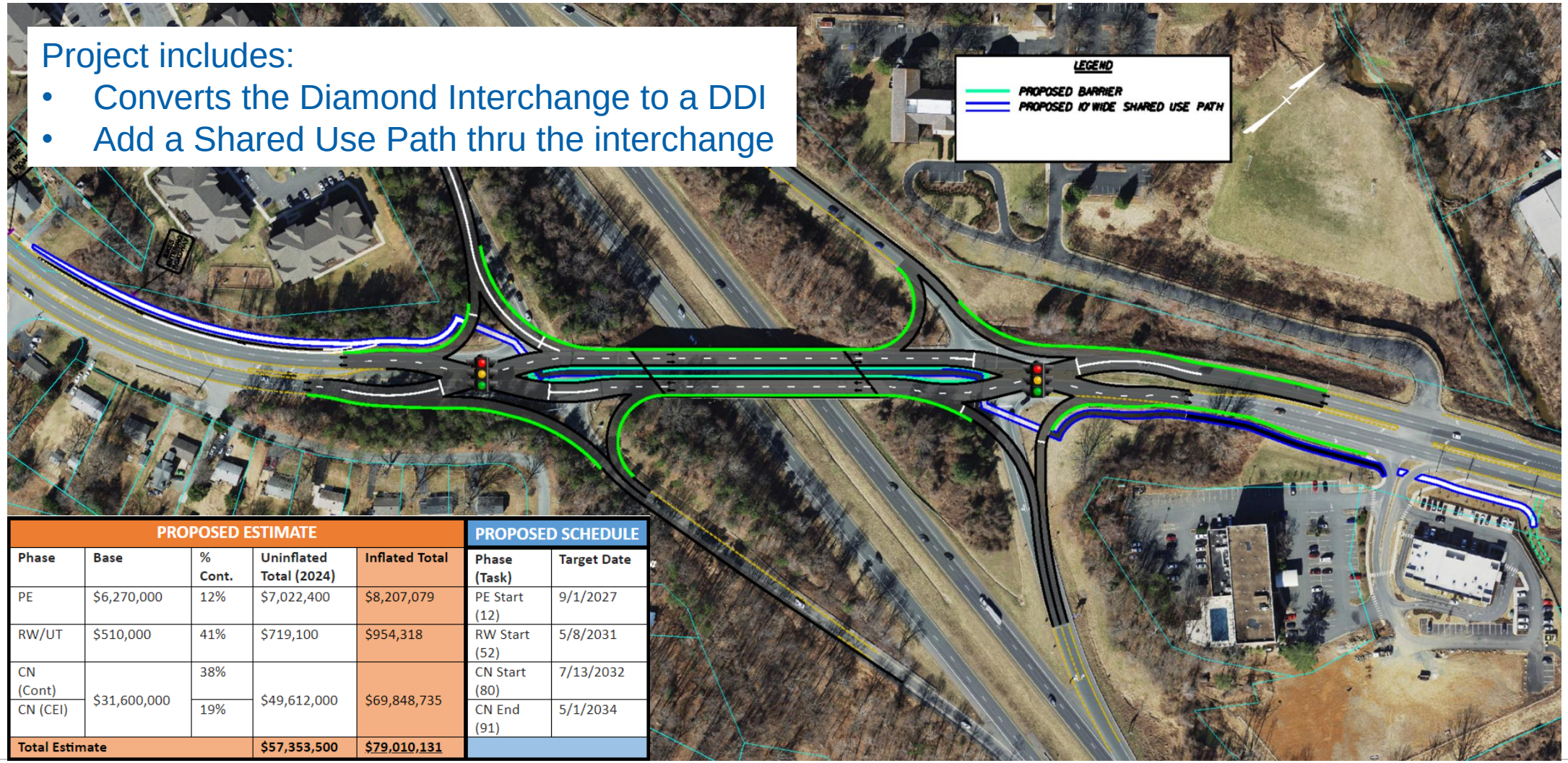
SMART Scale Round 6 – CAMPO

I64 – 5th St Interchange Improvements (Exit 119)

5th St Interchange
APP ID # 11675

Project includes:

- Converts the Diamond Interchange to a DDI
- Add a Shared Use Path thru the interchange



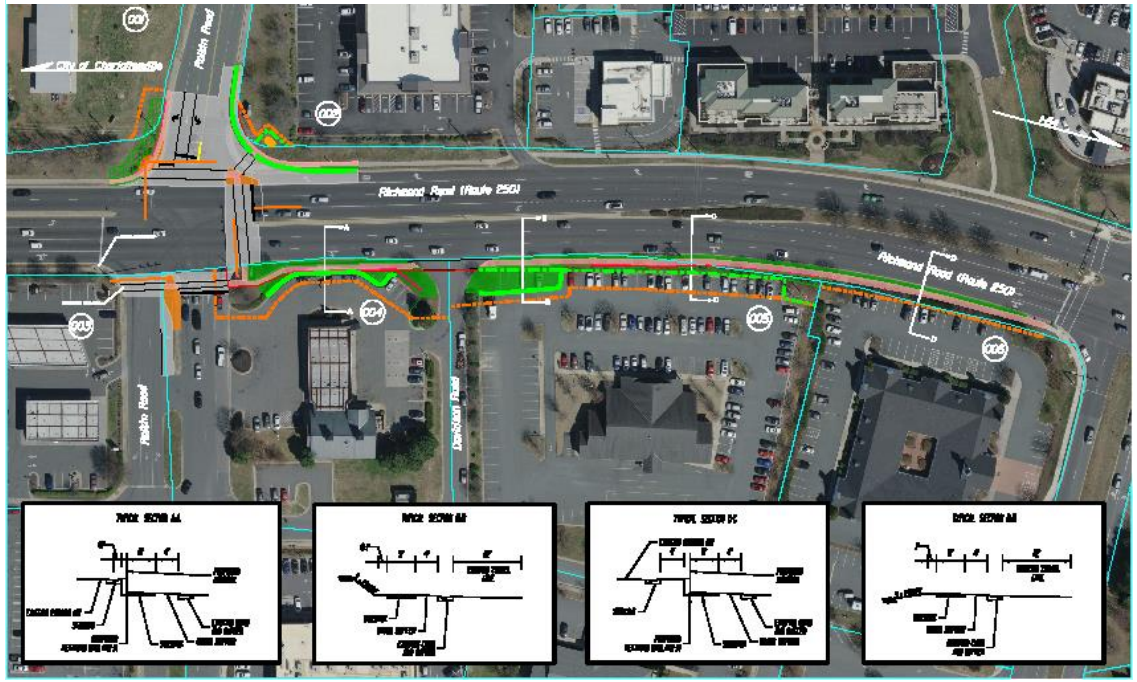
PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$6,270,000	12%	$7,022,400	$8,207,079	PE Start (12)	9/1/2027
RW/UT	$510,000	41%	$719,100	$954,318	RW Start (52)	5/8/2031
CN (Cont)	$31,600,000	38%	$49,612,000	$69,848,735	CN Start (80)	7/13/2032
CN (CEI)		19%			CN End (91)	5/1/2034
Total Estimate			**$57,353,500**	**$79,010,131**		

SMART SCALE Round 6 – CAMPO US 250 – Pantops App ID # 11487

Project Includes:

- Replacing the signal at Rolkin Rd. / US 250 Intersection;
- Adds crosswalks across US 250; and
- Installs sidewalk along US 250 from Rolkin Rd to State Farm
- Closing the median crossover to the Hilton Inn
- Converting the intersection to a Thru-Cut (eliminate the side street thru movements) with an EB Right Turn Lane;
- Adding a 50 Space Park & Ride Lot with Bus Loop.

PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$2,910,000	12%	$3,259,200	$3,809,027	PE Start (12)	9/1/2027
RW/UT	$4,870,000	32%	$6,428,400	$8,531,130	RW Start (52)	5/8/2031
CN (Cont)	$11,100,000	32%	$17,094,000	$24,066,643	CN Start (80)	10/12/2032
CN (CEI)		22%			CN End (91)	8/1/2034
Total 2024 Estimate			$26,781,600	$36,406,799		



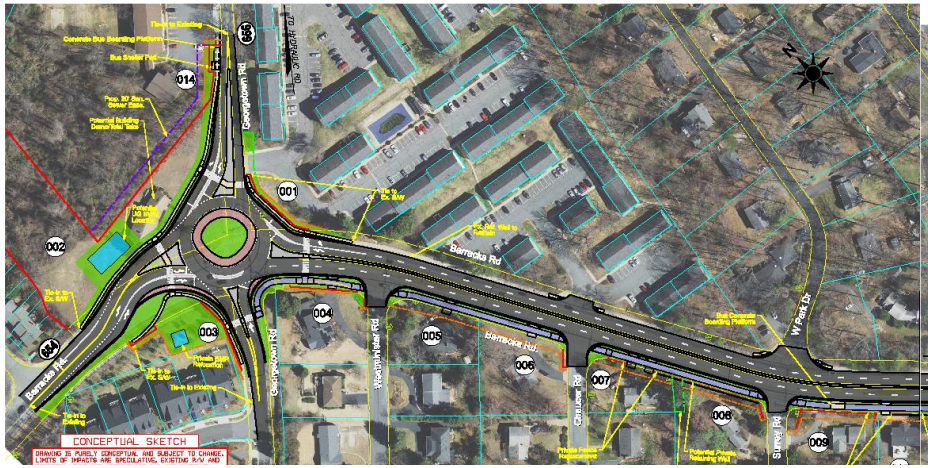


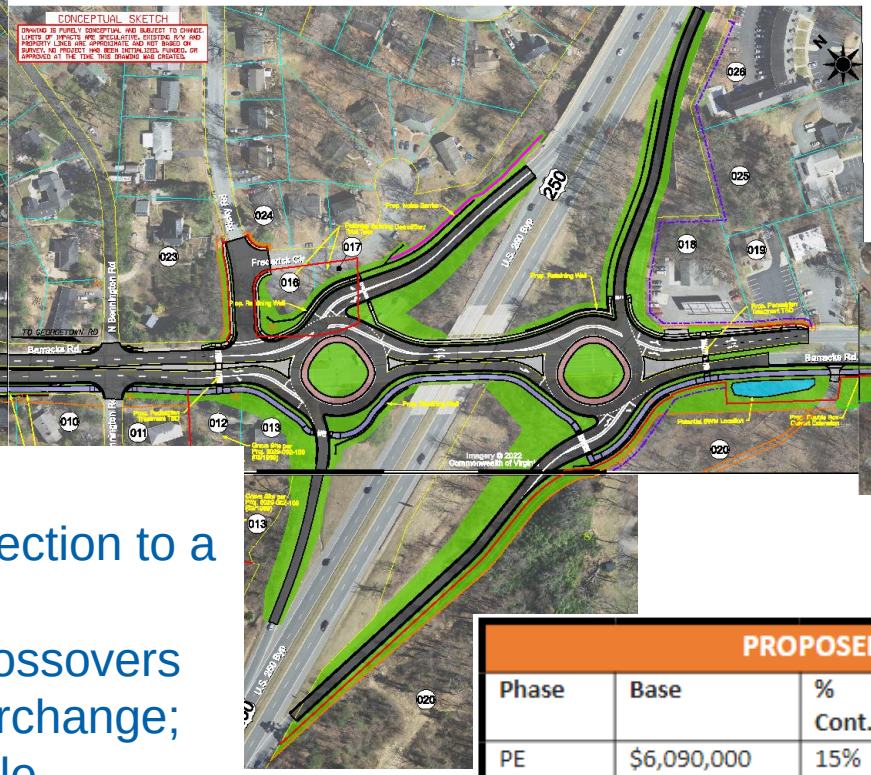
SMART SCALE Round 6 – CAMPO

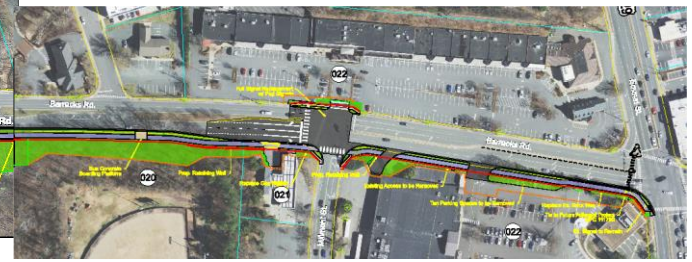
App ID # 11679

Barracks Rd Corridor Improvements

Georgetown Rd to Emmet St







Project Includes:

- Converting the Georgetown Rd Intersection to a Hybrid Roundabout;
- Narrowing and Closing the median crossovers between Georgetown Rd and the interchange;
- Converting the Interchange to a Double Roundabout Configuration;
- Adds a Shared Use Path along the corridor from Georgetown Rd thru the interchange to Emmet St.

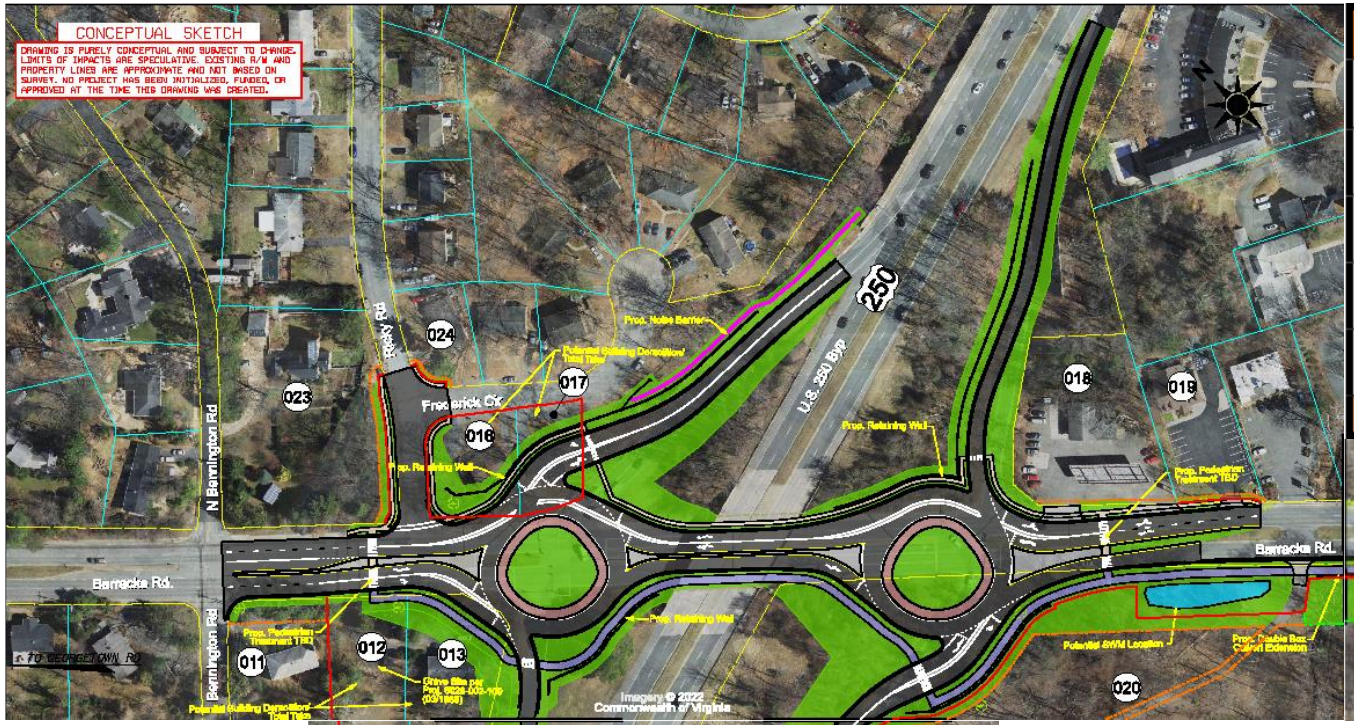
PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$6,090,000	15%	$7,003,500	$8,184,990	PE Start (12)	9/1/2027
RW/UT	$16,800,000	35%	$22,680,000	$30,098,628	RW Start (52)	5/8/2031
CN (Cont)	$38,200,000	44%	$62,648,000	$90,845,865	CN Start (80)	12/13/2033
CN (CEI)		20%			CN End (91)	9/27/2035
Total Estimate			$92,331,500	$129,129,483		

SMART SCALE Round 6 – CAMPO

Barracks Rd Interchange Improvements

Interchange to Emmet St

APP ID # 11678



PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$3,980,000	15%	$4,577,000	$5,349,140	PE Start (12)	9/1/2027
RW/UT	$10,900,000	30%	$14,170,000	$18,805,007	RW Start (52)	5/8/2031
CN (Cont)	$29,100,000	42%	$47,142,000	$68,360,614	CN Start (80)	12/13/2033
CN (CEI)		20%			CN End (91)	9/27/2035
Total Estimate			$65,889,000	$92,514,761		





Project Includes:

- Converting the Interchange to a Double Roundabout Configuration;
- Adds a Shared Use Path along the corridor thru the interchange to Emmet St.

Albemarle County – SMART Scale Project List

- US 250 – Old Trail Dr. / WAHS Intersection Improvements
- Rte. 631 (Rio Rd.) – Rte. 1427 (Hillsdale Dr.) & Rte. 631 (Rio Rd.) – Old Brook Rd. Intersection Improvements
- Barracks Rd Pipeline Study (Georgetown Rd RDBT& Access Management and SUP on Barracks from Georgetown to the interchange
- US 29 – Rte. 692 (Plank Rd.) Intersection Improvement

SMART SCALE Round 6 – Albemarle County

APP ID 11600

US 250 at Old Trail/ WAHS Intersection Improvement

Project Includes:

- Converting the signalized intersection of 2 – Two Lane Roadways to a Hybrid Roundabout to address an on-going Safety Concern.
- Shared Use Path and Crosswalks to the Middle School and High School Entrance



PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2023)	Inflated Total	Phase (Task)	Target Date
PE	$1,650,000	15%	$1,897,500	$2,217,608	PE Start (12)	9/1/2027
RW/UT	$770,000	37%	$1,054,900	$1,359,133	RW Start (52)	1/10/2030
CN (Cont)	$6,260,000	33%	$9,890,800	$13,126,081	CN Start (80)	4/8/2031
CN (CEI)		25%			CN End (91)	4/9/2032
Total 2024 Estimate (Uninflated)			$12,843,200	$16,702,822		

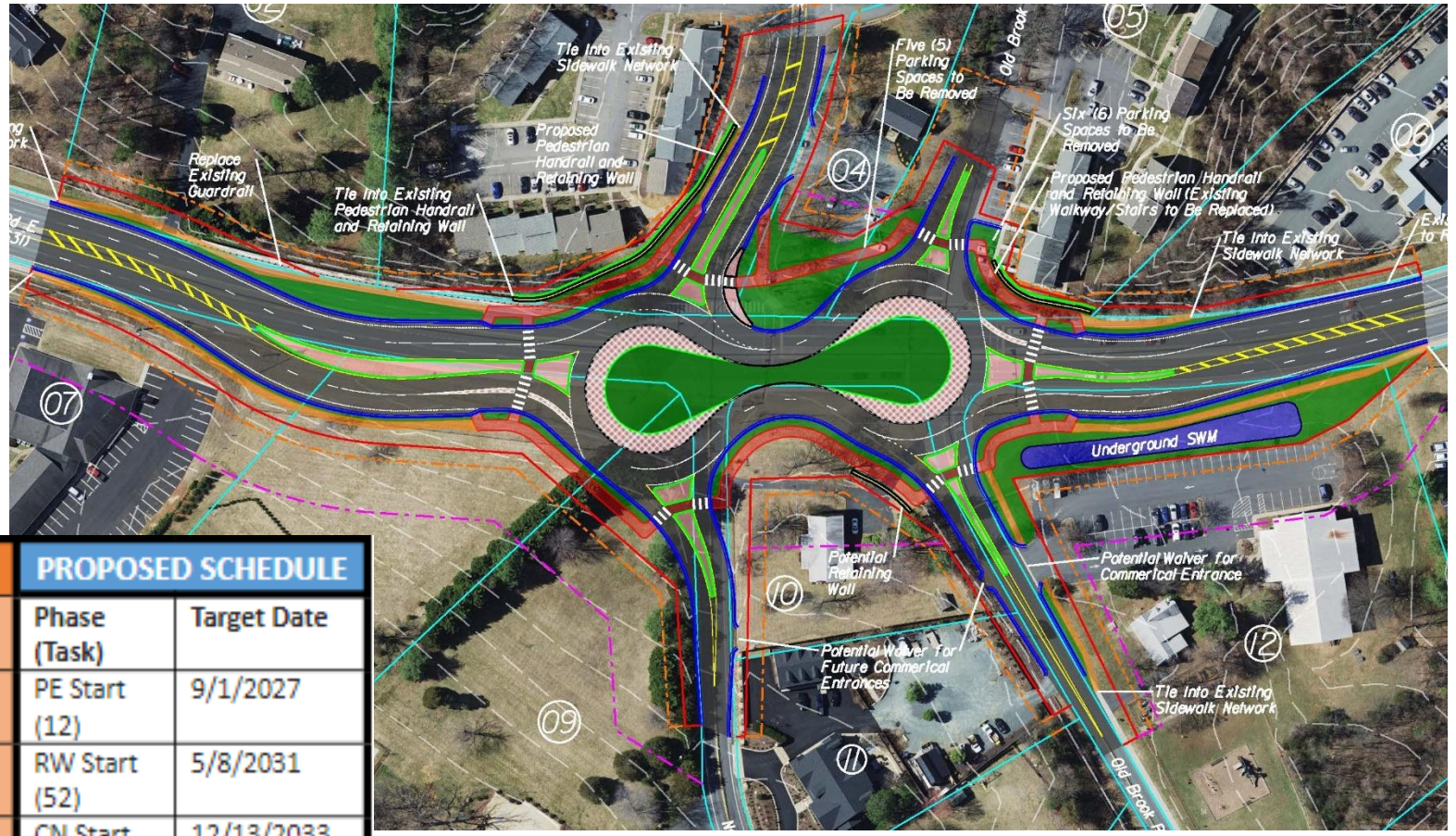
SMART SCALE Round 6 – Albemarle County

App ID # 11721

Rte. 643 (Rio Rd) – Hillsdale / Old Brook Rd Intersection Improvements

Project Includes:

- Converting the two adjacent signalized intersections into a peanut shaped Hybrid Roundabout.
- Adds sidewalks, Shared Use Path and crosswalks
- Address an on-going Safety Concern.
- Study and safety analysis to include the new ICAP tool.

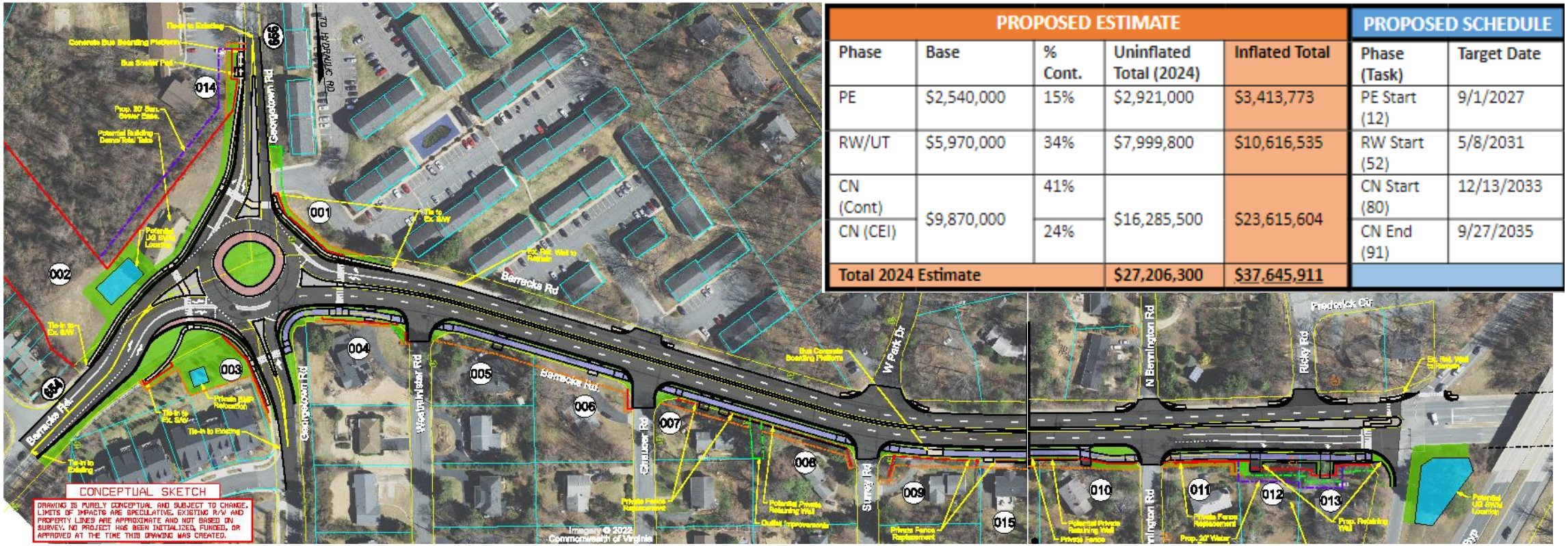


PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$2,470,000	18%	$2,914,600	$3,406,293	PE Start (12)	9/1/2027
RW/UT	$9,680,000	30%	$12,584,000	$16,700,226	RW Start (52)	5/8/2031
CN (Cont)	$11,200,000	36%	$17,808,000	$25,823,381	CN Start (80)	12/13/2033
CN (CEI)		23%			CN End (91)	9/27/2035
Total Estimate			**$33,306,600**	**$45,929,900**		

SMART SCALE Round 6 – Albemarle County

App ID # 11772

Barracks Rd Corridor Improvements (Georgetown Rd to the US 29/250 Interchange)



PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$2,540,000	15%	$2,921,000	$3,413,773	PE Start (12)	9/1/2027
RW/UT	$5,970,000	34%	$7,999,800	$10,616,535	RW Start (52)	5/8/2031
CN (Cont)	$9,870,000	41%	$16,285,500	$23,615,604	CN Start (80)	12/13/2033
CN (CEI)		24%			CN End (91)	9/27/2035
Total 2024 Estimate			$27,206,300	$37,645,911		

Project Includes:

- Converting the Georgetown Rd Intersection to a Hybrid Roundabout;
- Narrowing and Closing the median crossovers between Georgetown Rd and the interchange; and
- Adds a Shared Use Path along the corridor.

SMART SCALE Round 6 – Albemarle County

APP ID # 11715

US 29 – Rte. 692 (Plank Rd.) Intersection Improvement



Project Includes:

- Converting the crossovers at Plank and Sutherland Rd to unsignalized RCI's with a U-turns at the adjusted crossover north of Plank Rd. to address safety concerns at the intersections.
- Updating the study and safety analysis to include the new ICAP tool.
- This is a PSI Intersection Ranked # 66.

PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	$1,920,000	15%	$2,208,000	$2,580,490	PE Start (12)	9/1/2027
RW/UT	$610,000	34%	$817,400	$1,053,138	RW Start (52)	1/10/2030
CN (Cont)	$8,880,000	37%	$14,208,000	$18,855,437	CN Start (80)	4/8/2031
CN (CEI)		23%			CN End (91)	4/9/2032
Total Estimate			$17,233,400	$22,489,065		