

MOTION:

**May 10, 2022
Regular Meeting
Res. No. 22-**

SECOND:

**RE: TRANSFER, BUDGET, AND APPROPRIATE \$5,513,000 IN NORTHERN VIRGINIA
TRANSPORTATION AUTHORITY LOCAL 30% FUNDS AND AWARD A
\$21,375,987.75 CONSTRUCTION CONTRACT TO SAGRES CONSTRUCTION
CORPORATION FOR INTERSECTION IMPROVEMENTS AT PRINCE WILLIAM
PARKWAY AND UNIVERSITY BOULEVARD (QUADRANT ROADWAY
INTERSECTION) PROJECT – BRENTSVILLE MAGISTERIAL DISTRICT**

ACTION:

WHEREAS, the scope of the intersection improvements at Prince William Parkway and University Boulevard (Quadrant Roadway Intersection) Project (Project) includes improvements to Prince William Parkway for a total of 5,000 feet, and University Boulevard for approximately 1,500 feet, including its intersection with Discovery Boulevard and Hornbaker Road, the construction of a ten (10) foot asphalt shared use path and a five (5) foot concrete sidewalk. This Project will add one (1) additional lane in each direction on Prince William Parkway within the Project limits for a total of three (3) lanes in each direction. Furthermore, the Project will add an extension of 2,000 feet of a four (4) lane divided Discovery Boulevard from its existing intersection at University Boulevard to a new proposed intersection with Prince William Parkway with new signals at each of the terminal intersections; and

WHEREAS, this Project is a part of Virginia Department of Transportation's (VDOT) Strategically Targeted Affordable Roadway Solutions (STARS) program. The STARS report identifies four (4) intersections along Prince William Parkway, including University Boulevard improvements. This concept aligns with the broader effort to increase capacity and safety along University Boulevard; and

WHEREAS, on September 4, 2018, via Resolution Number (Res. No.) 18-480, the Prince William Board of County Supervisors (Board) executed a Standard Project Agreement between the County and the Northern Virginia Transportation Authority (NVTA) for local administration of the Project and budgeted and appropriated \$24,200,000 in NVTA 70% funds to fund design, right-of-way, and construction activities for the Project; and

WHEREAS, on February 18, 2020, via Res. No. 20-215, the Board endorsed the final design of the Project. The Project's final design includes a new intersection at Prince William Parkway, which is a limited access roadway. The limited access roadway was approved by the Commonwealth Transportation Board at their December 9, 2020 meeting; and

WHEREAS, the County's Procurement Services advertised an Invitation for Bid (IFB 700062-22) on February 18, 2022, to acquire construction services for the Project; and

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WHEREAS, on March 31, 2022, three (3) sealed bids were received, publicly opened, and evaluated by staff from Procurement Services and the Prince William Department of Transportation. It was determined that the bid received from Sagres Construction Corporation was the lowest responsive and responsible with an estimated total of \$21,375,987.75; and

WHEREAS, a higher-than-estimated construction bid was received due to increased construction costs. The Project has spent \$5,127,505 for design and right-of-way / utility activities. The Project has a total available balance of \$19,070,361 which is insufficient to award the construction contract and fund the standard 15% contingency cost. An additional \$5,513,000 in local NVTAA 30% funds must be budgeted and appropriated to the Project to award the construction contract and fully fund the Project; and

WHEREAS, County staff recommends approval of this resolution to transfer, budget, and appropriate \$5,513,000 in local NVTAA 30% funds to the Project and award a \$21,375,987.75 construction contract to Sagres Construction Corporation;

NOW, THEREFORE, BE IT RESOLVED that the Prince William Board of County Supervisors hereby transfers, budgets, and appropriates \$5,513,000 in Northern Virginia Transportation Authority local 30% funds to the intersection improvements at Prince William Parkway and University Boulevard (Quadrant Roadway Intersection) Project in the Brentsville Magisterial District;

BE IT FURTHER RESOLVED that the Prince William Board of County Supervisors hereby awards a construction contract in the amount of \$21,375,987.75 to Sagres Construction Corporation for the construction of the intersection improvements at Prince William Parkway and University Boulevard (Quadrant Roadway Intersection) Project in the Brentsville Magisterial District;

BE IT FURTHER RESOLVED that the Prince William Board of County Supervisors hereby authorizes the Transportation Director, or his designee, to sign the contract between Sagres Construction Corporation and Prince William County and such other documents as are required to effectuate the intent of this resolution after the contract and such forms have been approved as to form by the County Attorney's Office.

Votes:

Ayes:

Nays:

Absent from Vote:

Absent from Meeting:

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For Information:

Director of Transportation
Finance Director

ATTEST: _____

Clerk to the Board



STAFF REPORT

Board Meeting Date:	May 10, 2022
Agenda Title:	Transfer, Budget, and Appropriate \$5,513,000 in Northern Virginia Transportation Authority Local 30% Funds and Award a \$21,375,987.75 Construction Contract to Sagres Construction Corporation for the Intersection Improvements at Prince William Parkway and University Boulevard (Quadrant Roadway Intersection) Project
District Impact:	Brentsville Magisterial District
Requested Action:	Approve the resolution, transfer, budget, and appropriate funding, and award the construction contract.
Department / Agency Lead:	Department of Transportation
Staff Lead:	Ricardo Canizales, Director

EXECUTIVE SUMMARY

On September 4, 2018, via Resolution Number (Res. No.) 18-480, the Prince William Board of County Supervisors (Board) executed a Standard Project Agreement between the County and the Northern Virginia Transportation Authority (NVTA) for local administration of the Intersection Improvements at Prince William Parkway and University Boulevard (Quadrant Roadway Intersection) Project (Project) and budgeted and appropriated \$24,200,000 in NVTA regional 70% funds to fund the design, right-of-way / utility and construction activities of the Project.

The County's Procurement Services advertised an Invitation for Bid (IFB 7000062-22) for the construction of the Project on February 18, 2022, for construction services. Three (3) sealed bids were received, opened, and evaluated by staff from Procurement Services and the Prince William County Department of Transportation (PWC DOT) on March 31, 2022. It was determined that the bid received from Sagres Construction Corporation was the lowest responsive and responsible bid with an estimated bid amount of \$21,375,987.75.

A higher-than-estimated construction bid was received due to increased construction costs. The Project has an available balance of \$19,070,361 which is insufficient to award the construction contract and fund the standard 15% contingency cost. An additional \$5,513,000 in NVTA local 30% funds is needed to award the construction contract and fully fund the Project.

It is the recommendation of County staff that the Board transfer, budget and appropriate \$5,513,000 in NVTA local 30% funds and award a \$21,375,987.75 construction contract to Sagres Construction Corporation for the intersection improvements at Prince William Parkway and University Boulevard (Quadrant Roadway Intersection) Project in the Brentsville Magisterial District.

BACKGROUND

On September 4, 2018, via Res. No. 18-480, the Board executed a Standard Project Agreement between the County and NVTA for local administration of the Project and budgeted and appropriated \$24,200,000 in NVTA regional 70% funds to the Project. The Planning Commission recommended the Project to the Board for approval and was included in the Adopted Fiscal Year (FY) 2020 – 2025 Capital Improvement Program on April 30, 2019, via Res. No. 19-222.

The scope of the Project includes improvements to Prince William Parkway for a total of 5,000 feet, and University Boulevard for approximately 1,500 feet, including its intersection with Discovery Boulevard and Hornbaker Road and the construction of a ten (10) foot asphalt shared-used path and a five (5) foot concrete sidewalk. This Project will add one (1) additional lane in each direction on Prince William Parkway within the Project limits, for a total of three (3) lanes in each direction, and an extension of 2,000 feet of a four (4) lane divided Discovery Boulevard from its existing intersection at University Boulevard to a new proposed intersection with Prince William Parkway, with new signals at each of the terminal intersections. The Project will remove left turn lane movements from all directions at the existing intersection of Prince William Parkway and University Boulevard and relocate them to the new intersection of Discovery Boulevard and Prince William Parkway.

At its February 18, 2020, meeting the Board, via Res. No. 18-480, endorsed the final design of the Project. The Project includes a new intersection at Prince William Parkway, which is a limited access roadway. The Commonwealth Transportation Board approved the limited access roadway at its December 9, 2020 meeting.

This Project is a part of Virginia Department of Transportation's (VDOT) Strategically Targeted Affordable Roadway Solutions (STARS) program. The STARS report identifies four (4) intersections along Prince William Parkway, including University Boulevard improvements. This concept aligns with the broader effort to increase capacity and safety along University Boulevard.

The County's Procurement Services advertised an Invitation for Bid (IFB 7000062-22) for the construction of the Project on February 18, 2022, for construction services. Two (2) sealed bids were received, opened, and evaluated by staff from Procurement Services and PWC DOT on March 31, 2022. It was determined that the bid received from Sagres Construction Corporation was the lowest responsive and responsible bid with an estimated bid amount of \$21,375,987.75.

A higher-than-estimated construction bid was received due to increased construction costs. The Project has an available balance of \$19,070,361 which is insufficient to award the construction contract and fund the standard 15% contingency cost. An additional \$5,513,000 in NVTA local 30% funds is needed to award the construction contract and fully fund the Project.

Project Financial Breakdown by Activity

	Budget	Expenses	Balance
Design	\$2,400,000	\$3,742,568	\$(1,342,568)
ROW/Utility	\$2,800,000	\$1,384,936	\$1,415,064
Construction*	\$19,000,000	\$24,585,496	\$(5,585,496)
Total	\$24,200,000	\$29,713,000	\$(5,513,000)

* Note: Construction expenses included contract award, contingency and County project management

STAFF RECOMMENDATION

It is the recommendation of County staff that the Board transfer, budget, and appropriate \$5,513,000 in NVTa local 30% funds to the Project and award a \$21,375,987.75 construction contract to Sagres Construction Corporation for the Project.

Service Level / Policy Impact

The Project supports the Strategic Plan by impacting the following Transportation and Mobility (TM) action strategies:

- TM1:C – Enhance local, state, regional, and federal partnerships to identify resources and leverage funding for mobility projects and initiatives;
- TM2:A – Improve connectivity of sidewalks and trails (paved and unpaved) for pedestrians and cyclists;
- TM2:D – Implement strategies to reduce mobility related fatalities and injuries;
- TM3:C – Identify and prioritize infrastructure projects that improve accessibility and connection to transit;
- TM4:D – Prioritize critical infrastructure projects that expand roadway capacity through the construction of new roadways or widening, and new interchanges that support both local and regional mobility and sustainable growth; and
- TM4:E – Focus on cost effective and innovative transportation designs that improve traffic flow to reduce congestion and reduce the need for future roadway widening.

Fiscal Impact

There is currently \$53,086,926 in NVTa local 30% fund balance. Approving this resolution would reduce the available balance to \$47,573,926. Transferring, budgeting, and appropriating the local NVTa local 30% funds to the Project will be sufficient to award the construction contract, cover the standard 15% contingency cost, and County project management costs.

Legal Impact

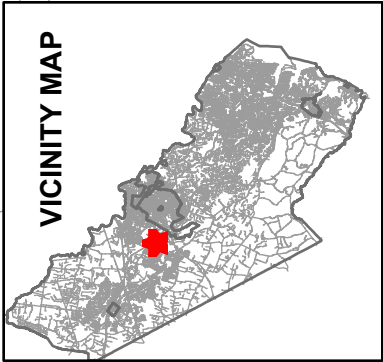
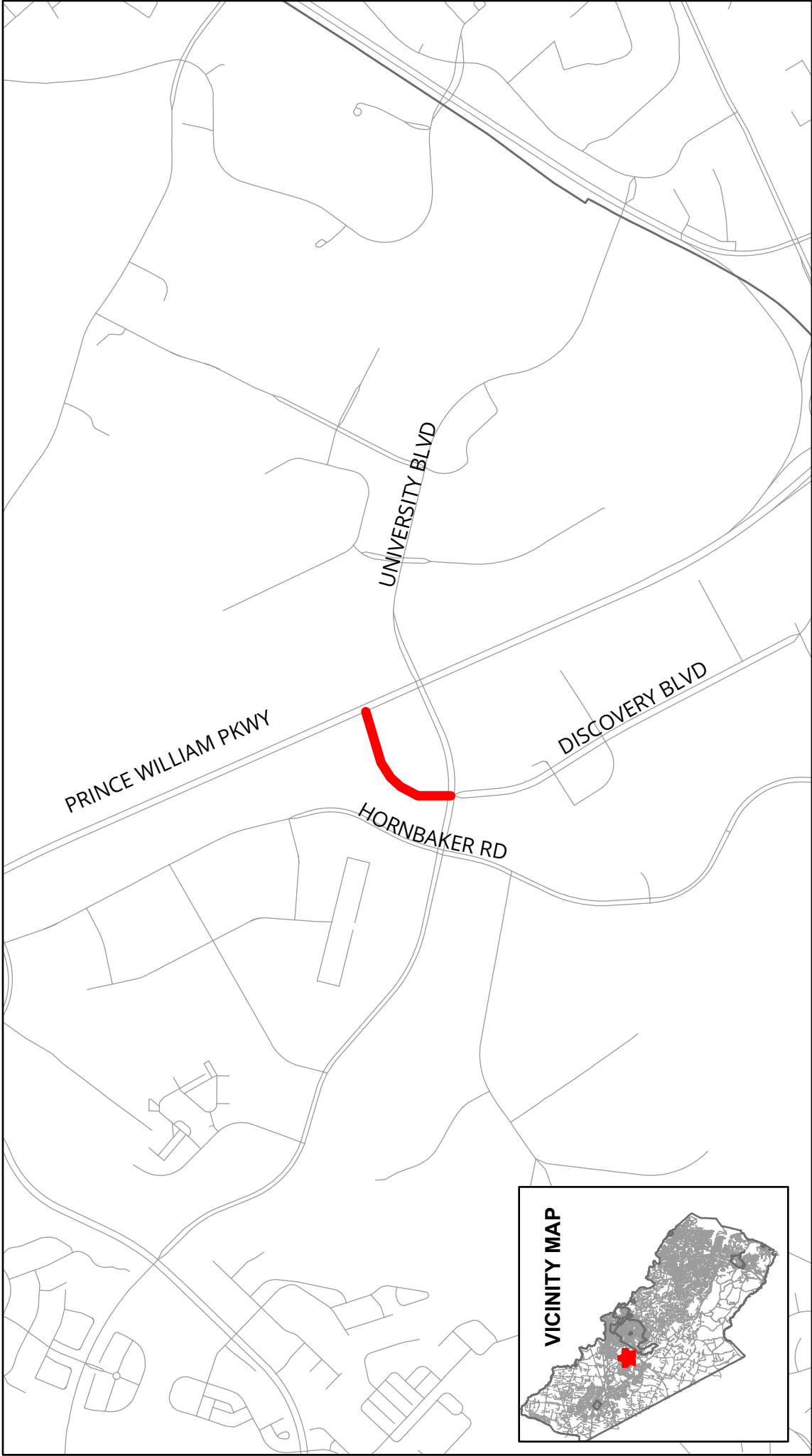
The Board has legal authority to transfer NVTa local 30% funds and award of the construction contract by the Board is in accordance with the Code of Virginia and the County's Procurement Regulations. There are no changes to the contract terms and conditions included in the Solicitation that was reviewed and approved by the County Attorney's Office.

STAFF CONTACT INFORMATION

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ATTACHMENT

Vicinity Map – Intersection Improvements at Prince William Parkway and University Boulevard



DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS AT PRINCE WILLIAM
PKWY AND UNIVERSITY BLVD (QUADRANT ROADWAY
INTERSECTION) BRENTSVILLE MAGISTERIAL DISTRICT



MAY 10, 2022