

MOTION:

**May 4, 2021
Regular Meeting
Res. No. 21-**

SECOND:

RE: AUTHORIZE THE EXECUTION OF AN AGREEMENT BETWEEN PRINCE WILLIAM COUNTY AND THE PRINCE WILLIAM COUNTY SERVICE AUTHORITY FOR THE DESIGN AND CONSTRUCTION OF WATER AND SANITARY SEWER BETTERMENT WORK IN CONNECTION WITH THE BALLS FORD ROAD (BALLS FORD ROAD AT ROUTE 234 PRINCE WILLIAM PARKWAY) INTERCHANGE PROJECT; AND BUDGET AND APPROPRIATE \$816,866.35 IN REIMBURSEMENT FOR THE COST OF THE BETTERMENTS AS PART OF THE PROJECT - BRENTSVILLE AND GAINESVILLE MAGISTERIAL DISTRICTS

ACTION:

WHEREAS, a County-State agreement was approved by the Prince William Board of County Supervisors (Board) on April 10, 2018, via Resolution Number (Res. No.) 18-220, that grants the County local administration over the Prince William Parkway Interchange at Realigned Balls Ford Road Project (Project) and budgeted and appropriated funding to the Project; and

WHEREAS, the Project will provide a new grade-separated interchange at Route 234 (Prince William Parkway) and relocated Route 621 (Balls Ford Road), which includes a bridge over the Norfolk Southern Railroad. In addition, Balls Ford Road will be realigned as a new four (4) lane facility with signalized intersections and raised median from existing Devlin Road to Doane Drive; and

WHEREAS, the Prince William County Service Authority (PWCSA) reviewed final design plans for the design-build project and determined, along with the County, that it would be beneficial and efficient to include additional water and sewer line infrastructure improvements to the County project. This additional infrastructure work is described as Betterments; and

WHEREAS, the County and PWCSA desire to enter into an agreement for the design and construction of the Betterments as part of the design-build project. PWCSA will reimburse the County for the cost of these Betterments through regular billing as described in the agreement. The County shall bill a construction engineering and inspection services fee of 7% to PWCSA for the management of the Betterments' construction, which amount is currently estimated to be \$53,440. The total cost of the Betterments, including County services for construction engineering and inspection, is estimated to be \$816,866.35; and

WHEREAS, County staff has determined that this agreement is reasonable and recommends approval; and

WHEREAS, the PWCSA Board of Directors approved the agreement on April 8, 2021, via Res. No. 21-04-23;

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NOW, THEREFORE, BE IT RESOLVED that the Prince William Board of County Supervisors hereby approves the attached agreement and authorizes the Transportation Director, or his designee, to execute the attached agreement between the County and Prince William County Service Authority for the Betterments;

BE IT FURTHER RESOLVED that the Prince William Board of County Supervisors hereby budgets and appropriates \$816,866.35 in reimbursement from Prince William County Service Authority for the Betterments;

BE IT FURTHER RESOLVED that the Prince William Board of County Supervisors hereby authorizes the Director of Finance to appropriate available, unspent funds at the end of Fiscal Year 2021 to Fiscal Year 2022 for this purpose.

ATTACHMENT: Agreement between Prince William Board of County Supervisors and Prince William County Service Authority for Relocation of Water and Sanitary Sewer Facilities on the Prince William Parkway Interchange at Realigned Balls Ford Road Project

Votes:

Ayes:

Nays:

Absent from Vote:

Absent from Meeting:

For Information:

County Attorney
Director of Transportation
Director of Finance
Director of Budget

ATTEST: _____
Clerk to the Board

AGREEMENT

Between

PRINCE WILLIAM BOARD OF COUNTY SUPERVISORS

And

PRINCE WILLIAM COUNTY SERVICE AUTHORITY

For

**RELOCATION OF WATER AND SANITARY SEWER FACILITIES ON THE
PRINCE WILLIAM PARKWAY INTERCHANGE AT REALIGNED BALLS
FORD ROAD PROJECT;**

THIS AGREEMENT, made and entered into as of the ____ day of _____, 2021, by and between the PRINCE WILLIAM BOARD OF COUNTY SUPERVISORS, VIRGINIA (“COUNTY”), and the PRINCE WILLIAM COUNTY SERVICE AUTHORITY (“AUTHORITY”)

WITNESSETH

WHEREAS, through County Project Number 6234-076-266, the COUNTY is constructing a new grade-separated interchange (the “Interchange Project”) at Route 234 (Prince William Parkway) and realigned Route 621 (Balls Ford Road), which includes a bridge crossing the existing Norfolk Southern Railroad along which route are existing water and sanitary sewer facilities (the “Facilities”); and

WHEREAS, the Interchange Project is responsible for the cost of relocating in-kind those facilities impacted by roadway construction; and

WHEREAS, the AUTHORITY has requested and committed to pay for the cost of certain improvements or upgrades, including the installation of the new 16-inch Ductile Iron Pipe (“DIP”) water main as shown on the attached exhibit, tie-in connections to the existing 12-inch, 14-inch and 16-inch DIP; 30-inch steel casing, installation of new 12-inch and 16-inch valves, installation of the new fire hydrants, installation of the realigned 3-inch sewer force main, sewer pumping services to make live tie-ins, maintenance of traffic, existing pavement demolition and patching, construction quality assurance and quality control survey and management, pressure testing, backup water supply and pipe restraints (the “Betterments”) to the Facilities; and

WHEREAS, the COUNTY and the AUTHORITY have agreed upon the construction of the Betterments by the COUNTY as part of the Interchange Project and the reimbursement for the same by the AUTHORITY;

NOW THEREFORE, in consideration of the premises, and of the mutual covenants herein contained, the parties hereto agree as follows:

- (A) The COUNTY’s estimated cost for design and construction of the Betterments as part of the Interchange Project is \$763,426.35.

- (B) In addition, the COUNTY shall bill a construction engineering and inspection services (“CEI”) fee of 7% to the AUTHORITY for the management of the Betterments’ construction, which amount is currently estimated to be \$53,440.00. The total cost of the Betterments, including CEI, is estimated to be \$816,866.35 (the “Estimated Total Cost”).
- (C) The AUTHORITY shall reimburse the COUNTY the actual total cost of the Betterments, including CEI (“Total Cost”).
- (D) The COUNTY shall invoice the AUTHORITY monthly for the cost of the Betterments work completed during that month, up to 95% of the Estimated Total Cost. The COUNTY shall invoice the remaining Total Cost promptly upon the AUTHORITY’s acceptance of the Facilities including the Betterments. The AUTHORITY shall reimburse the COUNTY for the remaining Total Cost within 30 calendar days of receipt of an invoice from the COUNTY.
- (E) The AUTHORITY, at its own cost and using its own personnel, shall perform certain incidental work in conjunction with the construction of the Betterments, such as operating all valves and conducting inspections. The AUTHORITY shall complete this work at no cost to the COUNTY.
- (F) The COUNTY’s Project Manager, in coordination with the COUNTY’S Field Representatives, shall coordinate all clarification and/or direction to the COUNTY’s contractor, excluding normal, day-to-day inspection activities conducted by the AUTHORITY.
- (G) It is the AUTHORITY’s responsibility to approve all field adjustments to the Facilities, including Betterments, during construction of the Interchange Project. The AUTHORITY shall grant any and all approvals in a timely manner in order to avoid any delay to the Interchange Project. Any changes to the COUNTY’s contract or change orders affecting the AUTHORITY’s Total Cost must be in writing and subject to the advance review and approval for entitlement and value by the AUTHORITY’s Engineering and Planning Division, or its designee, prior to execution in order to maintain the Interchange Project’s schedule.
- (H) If the cost of the Betterments exceeds the Estimated Total Cost at the time of COUNTY’s contract award for the Interchange Project, renegotiations of the Estimated Total Cost may be necessary, or the Betterments may be reconfigured or eliminated from the Interchange Project.
- (I) Not included Estimated Total Cost is the cost for rock excavation, any required additional permits, or the cost for additional mobilization due to an extended period of time work stoppage for an unforeseen circumstance.

IN WITNESS WHEREOF, each party has caused this Agreement to be executed in duplicate in its name and on its behalf by its duly authorized officer as of the day and year first written.

**PRINCE WILLIAM COUNTY SERVICE
AUTHORITY**

BY: _____
General Manager

(Print Name)

**PRINCE WILLIAM BOARD OF COUNTY
SUPERVISORS**

BY: _____
Ricardo Canizales
Director of Transportation

Approved as to form:

BY: _____
Alan F. Smith
Assistant County Attorney
Date:

Exhibit: PWCSA Betterment Option 2



STAFF REPORT

Board Meeting Date:	May 4, 2021
Agenda Title:	Authorize the Execution of an Agreement Between Prince William County and the Prince William County Service Authority for the Design and Construction of Water and Sanitary Sewer Betterment Work in Connection with the Balls Ford Road (Balls Ford Road at Route 234 Prince William Parkway) Interchange Project; and Budget and Appropriate \$816,866.35 in Reimbursement for the Cost of the Betterments as Part of the Project
District Impact:	Brentsville and Gainesville Magisterial Districts
Requested Action:	Authorize execution of agreement and budget and appropriate reimbursement costs.
Department / Agency Lead:	Department of Transportation
Staff Lead:	Ricardo Canizales, Director

EXECUTIVE SUMMARY

The Balls Ford Road (Balls Ford Road at Route 234 Prince William Parkway) Interchange Project (Project) consists of two (2) major components: the realignment of existing Balls Ford Road and a diverging diamond interchange at Realigned Balls Ford Road (Route 621) and Prince William Parkway (Route 234). The realignment of Balls Ford Road extends from Devlin Road in the west to Doane Drive in the east. Balls Ford Road is being realigned over existing aging water and sewer lines east of the interchange near Doane Drive.

Water and sanitary sewer betterments within the Project limits are considered a practical alternative for streamlining water and sewer work in an area of the Gainesville and Brentsville Districts already experiencing private development and multiple simultaneous local, state, and federal construction projects.

The Prince William County Service Authority (PWCSA) and County staff determined that it would be beneficial and efficient for additional water and sewer lines infrastructure improvements to be included in the work. The Betterments will shift infrastructure away from the future signalized intersection at Doane Drive/Cushing Road and enable the Project to execute this work in a manner that is safer and less disruptive to the public. The Betterments will be constructed as part of the County's Project and the reimbursement will be paid to the County by PWCSA as outlined in the Agreement.

It is the recommendation of County staff that the Prince William Board of County Supervisors (Board) authorize the execution of an agreement between Prince William County and the Prince William County Service Authority for the design and construction of water and sanitary sewer betterment work in connection with the Balls Ford Road (Balls Ford Road at Route 234 Prince William Parkway) Interchange Project; and budget and appropriate \$816,866.35 in reimbursement for the cost of the Betterments as part of the Project.

BACKGROUND

The Board authorized the execution of a County-State agreement with the Virginia Department of Transportation for local administration of the Project, Project Number 6234-076-266, UPC 112815 on April 10, 2018, via Resolution Number (Res. No.) 18-220. The Project provides a new grade separated interchange at Route 234 and relocated Balls Ford Road, which includes a bridge crossing the existing Norfolk Southern Railroad, and a new four-lane facility with a raised median between Devlin Road and Doane Drive. The new Interchange will help mitigate the impact of congestion of vehicles accessing Route 234 and I-66 and improve access to park and ride facilities serving the I-66 corridor.

The Balls Ford Interchange was included in the adopted Fiscal Year (FY) 2020–2025 Capital Improvement Program. The Project was approved by the Planning Commission on April 3, 2019, via Res. No. 19-023.

The realignment of Balls Ford Road extends from Devlin Road in the west to Doane Drive in the east. Final design plans have helped County staff and PWCSA identify precisely where Balls Ford Road is being realigned over existing aging water and sewer lines east of the interchange near Doane Drive.

PWCSA proposes an upgrade to its water distribution and wastewater conveyance infrastructure within the approximate Project limits as described in the agreement as Betterments. The major elements of work described in the agreement as “Betterments” include design and construction of approximately 1,200 linear feet of 16-inch water main, 575 linear feet of 3-inch low pressure force main, and appurtenances. The water and sanitary betterments will tie into existing lines north of realigned Balls Ford Road and then cross and run parallel to realigned Balls Ford Road up to Doane Drive in the east. The Betterments will be constructed as part of the County’s Project and the reimbursement will be paid to the County by the PWCSA for 100% of the cost of the construction of these Betterments which includes an inspection service fee of 7% for an estimated total of \$816,866.35.

On April 8, 2021, the PWCSA Board of Directors approved the agreement via Res. No. 21-04-23.

STAFF RECOMMENDATION

It is the recommendation of County staff that the Board authorize the agreement with PWCSA and budget and appropriate a \$816,866.35 reimbursement for the cost of the Betterments as part of the Project no later than May 2021, in order to incorporate the Betterment work in the project schedule with a zero (0) daytime impact to the Project.

Service Level / Policy Impact

Authorizing this agreement and budgeting and appropriating the funding from PWCSA will allow for the best value construction of the Betterments and minimize inconvenience to motorists when completed concurrently and supports the County's Mobility Strategic Plan goal of providing "an accessible comprehensive, multi-modal network of transportation infrastructure that supports local and regional mobility."

Fiscal Impact

Authorizing the agreement and budgeting and appropriating the funding will allow for the Betterments to be constructed with the Project. The agreement provides \$816,866.35 in reimbursement from PWCSA to cover the cost of these Betterments. Per the agreement, PWCSA will reimburse the County for the actual costs incurred by the County associated with the Betterment work. Not included in the Estimated Total Cost is the cost for rock excavation, any required additional permits, or the cost for additional mobilization due to an extended period of time work stoppage for an unforeseen circumstance. The cost of these excluded potential and unknown field conditions would be additional \$400 per cubic yard (27 cubic feet) for rock excavation and \$1,500 per additional mobilization and would be addressed at a later time if in fact these unforeseen conditions or circumstances were to occur. PWCSA Res. No. 21-04-23 includes a thirty percent (30%) contingency in the amount of \$245,060.00, in addition to the agreement reimbursement amount of \$816,866.35.

Legal Impact

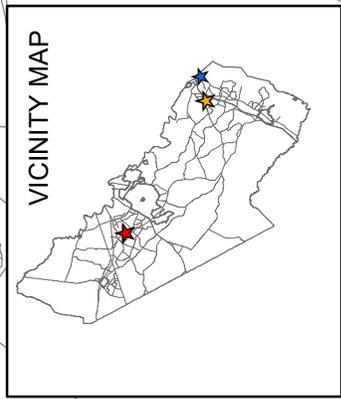
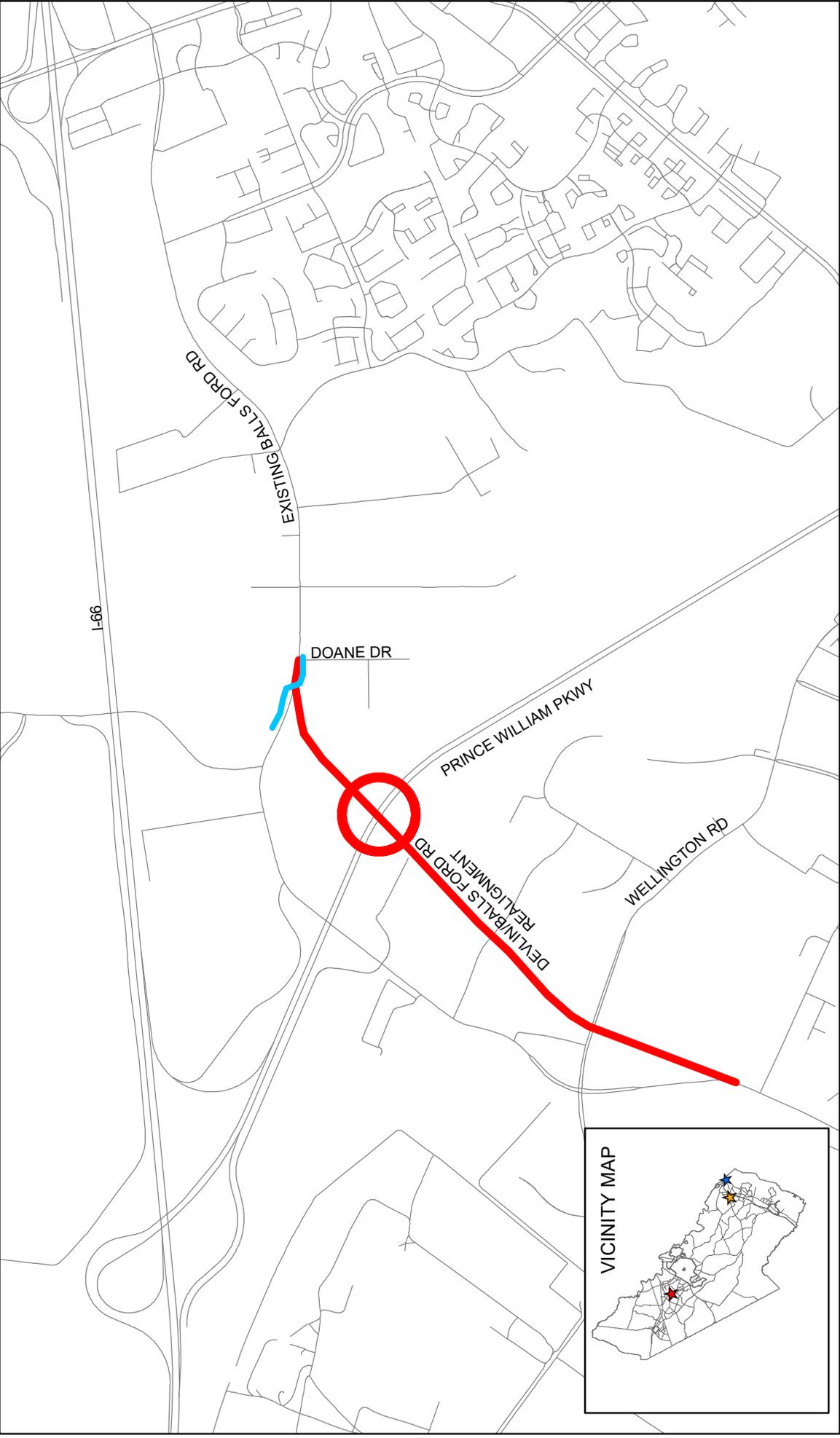
The Board has the legal authority to authorize the agreement, and budget and appropriate funds. The County Attorney's Office has reviewed and approved the proposed agreement as to form as part of this agenda item.

STAFF CONTACT INFORMATION

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rburkart@pwcgov.org

ATTACHMENT

- Vicinity Map — Balls Ford Road Interchange



BALLS FORD RD INTERCHANGE

DEVLIN/BALLS FORD RD REALIGNMENT

PWCSA BETTERMENTS



NORTH