

PUBLIC WORKS & CAPITAL PROJECTS
DISCUSSION ONLY 3/9/2023

RESOLUTION NO. 2023050

BOND RESOLUTION DATED APRIL 10, 2023.

A RESOLUTION AUTHORIZING THE ISSUANCE OF \$9,447,724 SERIAL BONDS OF THE COUNTY OF DUTCHESS, NEW YORK, TO PAY A PORTION OF THE COST OF BRIDGE, CULVERT AND HIGHWAY IMPROVEMENTS IN AND FOR SAID COUNTY

WHEREAS, the environmental impact of the capital project hereinafter described, as proposed, will be determined pursuant to the regulations of the New York State Department of Environmental Conservation promulgated pursuant to the State Environmental Quality Review Act, on a project-by-project basis prior to the financing thereof; and

WHEREAS, it is now desired to authorize the financing of such capital project; NOW,
THEREFORE

BE IT RESOLVED, by the County Legislature of the County of Dutchess, New York, as follows:

Section 1. The cost of the reconstruction and replacement of bridges, and culverts and reconstruction of roads, in and for the County of Dutchess, New York, including the cost of a highway safety and drainage improvement program and other incidental improvements and expenses in connection therewith, is hereby authorized at a maximum estimated cost of \$14,643,542.

Section 2. It is hereby determined that the plan for the financing thereof is as follows:

- (a) by the issuance of the \$9,447,724 serial bonds hereby authorized to be issued therefore pursuant to the provisions of the Local Finance Law; and

(b) by the expenditure of \$5,195,818 monies to be received from the State of New York as Consolidated Highway Improvement Program (CHIP), PaveNY and Extreme Winter Recovery aid monies, which monies are hereby appropriated therefor.

Section 3. It is hereby determined that the period of probable usefulness of the aforesaid class of objects or purposes is 15 years, pursuant to subdivision 91 of paragraph a of Section 11.00 of the Local Finance Law, based upon subdivisions 4, 10, 20 and 21(a) thereof.

Section 4. Subject to the provisions of the Local Finance Law, the power to authorize the issuance of and to sell bond anticipation notes in anticipation of the issuance and sale of the serial bonds herein authorized, including renewals of such notes, is hereby delegated to the Commissioner of Finance, the chief fiscal officer. Such notes shall be of such terms, form and contents, and shall be sold in such manner, as may be prescribed by said Commissioner of Finance, consistent with the provisions of the Local Finance Law.

Section 5. The faith and credit of said County of Dutchess, New York, are hereby irrevocably pledged for the payment of the principal of and interest on such bonds as the same respectively become due and payable. An annual appropriation shall be made in each year sufficient to pay the principal of and interest on such bonds becoming due and payable in such year. There shall annually be levied on all the taxable real property of said County a tax sufficient to pay the principal of and interest on such bonds as the same become due and payable.

Section 6. Such bonds shall be in fully registered form and shall be signed in the name of the County of Dutchess, New York, by the manual or facsimile signature of the Commissioner of Finance and a facsimile of its corporate seal shall be imprinted or impressed thereon and may be attested by the manual or facsimile signature of the County Clerk.

Section 7. The powers and duties of advertising such bonds for sale, conducting the sale and awarding the bonds, are hereby delegated to the Commissioner of Finance, who shall advertise

such bonds for sale, conduct the sale, and award the bonds in such manner as she shall deem best for the interests of the County; provided, however, that in the exercise of these delegated powers, she shall comply fully with the provisions of the Local Finance Law and any order or rule of the State Comptroller applicable to the sale of municipal bonds. The receipt of the Commissioner of Finance shall be a full acquittance to the purchaser of such bonds, who shall not be obliged to see to the application of the purchase money.

Section 8. All other matters, except as provided herein relating to such bonds including determining whether to issue such bonds having substantially level or declining annual debt service and all matters related thereto, prescribing whether manual or facsimile signatures shall appear on said bonds, prescribing the method for the recording of ownership of said bonds, appointing the fiscal agent or agents for said bonds, providing for the printing and delivery of said bonds (and if said bonds are to be executed in the name of the County by the facsimile signature of the Commissioner of Finance, providing for the manual countersignature of a fiscal agent or of a designated official of the County), the date, denominations, maturities and interest payment dates, place or places of payment, and also including the consolidation with other issues, shall be determined by the Commissioner of Finance. It is hereby determined that it is to the financial advantage of the County not to impose and collect from registered owners of such serial bonds any charges for mailing, shipping and insuring bonds transferred or exchanged by the fiscal agent, and, accordingly, pursuant to paragraph c of Section 70.00 of the Local Finance Law, no such charges shall be so collected by the fiscal agent. Such bonds shall contain substantially the recital of validity clause provided for in section 52.00 of the Local Finance Law and shall otherwise be in such form and contain such recitals in addition to those required by section 52.00 of the Local Finance Law, as the Commissioner of Finance shall determine.

Section 9. This resolution shall constitute a statement of official intent for purposes of Treasury Regulations Section 1.150 - 2. Other than as specified in this resolution, no monies are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside with respect to the permanent funding of the object or purpose described herein.

Section 10. The validity of such bonds and bond anticipation notes may be contested only if:

1) Such obligations are authorized for an object or purpose for which said County is not authorized to expend money, or

2) The provisions of law which should be complied with at the date of publication of this resolution are not substantially complied with, and an action, suit or proceeding contesting such validity is commenced within twenty days after the date of such publication, or

3) Such obligations are authorized in violation of the provisions of the Constitution.

Section 11. This resolution, which takes effect immediately, shall be published in summary form in *The Poughkeepsie Journal* and the *Southern Dutchess News*, the official newspapers of said County, together with a notice of the Clerk of the County Legislature in substantially the form provided in Section 81.00 of the Local Finance Law.

H0607 - 2023 Highway & Bridge Improvements

APPROPRIATIONS

Increase

H0607.5110.3250	Highway Improvements	\$ 650,000
H0607.5110.3250.212	Highway Improvements - CHIPs	\$ 2,775,000
H0607.5120.3450	Bridge Improvements	\$ 8,704,182
H0607.5120.3450.212	Bridge Improvements - CHIPs	\$ 2,420,818
H0607.5110.3900	Bond Issuing Costs	\$ 93,542
		<u>\$ 14,643,542</u>

REVENUES

Increase

H0607.5110.57100	Serial Bonds	\$ 9,447,724
H0607.5110.35010.07	Consolidated Highway Aid County Roads	\$ 2,775,000
H0607.5120.35010.07	Consolidated Highway Aid County Bridges	\$ 2,420,818
		<u>\$ 14,643,542</u>

2023 DPW Highway and Bridge

Year	PRIN O/S	PRIN PAYMENT	INTEREST	TOTAL
1	\$9,447,724	\$629,848	\$299,493	\$929,341
2	8,817,876	629,848	279,527	909,375
3	8,188,027	629,848	259,560	889,409
4	7,558,179	629,848	239,594	869,443
5	6,928,331	629,848	219,628	849,476
6	6,298,483	629,848	199,662	829,510
7	5,668,634	629,848	179,696	809,544
8	5,038,786	629,848	159,730	789,578
9	4,408,938	629,848	139,763	769,612
10	3,779,090	629,848	119,797	749,645
11	3,149,241	629,848	99,831	729,679
12	2,519,393	629,848	79,865	709,713
13	1,889,545	629,848	59,899	689,747
14	1,259,697	629,848	39,932	669,781
15	629,848	629,848	19,966	649,814
TOTAL		<u>\$9,447,724</u>	<u>\$2,395,943</u>	<u>\$11,843,667</u>
AVG. PER YEAR		\$629,848	\$159,730	\$789,578

FISCAL IMPACT STATEMENT

TOTAL PRINCIPAL	\$9,447,724	
ANTICIPATED INTEREST RATE ⁽¹⁾		3.17%
TERM 15 YEARS	ANTICIPATED FEES:	\$93,542
ANTICIPATED ANNUAL COST (PRIN + INT):		\$789,578
TOTAL PAYBACK (ANNUAL COST x TERMS):		\$11,843,667

PREPARED BY HEIDI SEELBACH

⁽¹⁾ Rate is subject to change based upon a) market conditions at time of debt issuance and b) term of financing which is dependent upon the structuring of all debt issued when this project is ultimately financed.

2023 Highway & Bridge Improvement Program

The Department of Public Works Highway Management Division (Engineering and Highway Construction & Maintenance) conducts a Capital Highway and Bridge Improvement Program each year. The program goal is to maintain, repair and improve our County transportation system, which includes 167 bridges, 190 large drainage culverts, and 395 centerline miles of roads. The highway system also includes associated storm water drainage systems (pipes, catch basins and ditches), 44 traffic control signals or beacons, and other safety devices (signs, guide rail, pavement markings, etc.).

Planned programs for 2023 include: *Pavement Management Program*, *Bridge and Culvert Improvement Program*, and *Highway, Safety and Drainage Improvement Program*. The total cost for projects included in this request is estimated at \$14,550,000.

The County expects to receive approximately \$3,589,829 in *Consolidated Highway Improvement Programs* (CHIP) funds, \$1,032,933 *PaveNY* funds, and \$572,996 *Extreme Winter Recovery* (EWR) funds from New York State that will offset 2023 capital project costs.

Based on estimated project costs and anticipated offsets from CHIPS, PaveNY, and Extreme Winter Recovery funding, the net 2023 request is \$9,354,182.

Summary Breakdown of Request:

Estimated Program Amount	Program Description
\$2,000,000	Pavement Management Program
\$11,125,000	Bridge and Culvert Improvement Program
\$1,425,000	Highway, Safety and Drainage Improvement Program
\$14,550,000	Estimated Total 2022 Projects Cost
(\$3,589,829)	Estimated 2023 CHIPs Revenue (NYS)
(\$1,032,993)	Estimated 2023 PaveNY Revenue (NYS)
(\$572,996)	Estimated 2023 Extreme Winter Recovery (EWR)
\$9,354,182	2023 Net Request (Bond costs not included)

Pavement Management Program

The 2023 Pavement Management program involves resurfacing or reconstruction of approximately 12 – 15 centerline miles of County highways using both contractors and County forces. Special surface treatments, developed to extend pavement life, may be performed by contractors with the necessary equipment and expertise. Work necessary to prepare the highways for resurfacing or reconstruction, such as culvert pipe replacement, ditch and drainage system repairs and localized surface repairs are included within the scope of this program. In addition, replacement of pavement markings is included within the scope of work under this program. All such work is eligible for CHIPS funding. The estimate for current year funding of this project is \$2,000,000. PaveNY, EWR, and CHIPS funding will be used to offset this program.

Bridge & Culvert Improvement Program

Bridge WP-34 Replacement, CR 110 (Jackson Road) over Greens Pond Outlet, Town of Wappinger. This bridge consists of three large diameter metal pipes that are showing signs of oxidation and loss of invert material. The bridge was built in 1969 and has a condition rating of 4. Plans and specifications will be prepared by consultants. Construction will be performed by contracted services and construction inspection will be performed by consultants. Design and right-of-way acquisition is estimated at \$275,000. The project will be bid for construction in Spring 2026. The current request is for \$275,000.

Bridge M-20 Replacement, Salisbury Turnpike over Little Wappinger Creek, Town of Milan. The bridge has deterioration of the concrete substructure and steel superstructure. This bridge was constructed in 1939 and has a general rating of 4. Plans and specifications will be prepared by consultants. Construction will be performed by contracted services and construction inspection will be performed by consultants. Design and right-of-way acquisition is estimated at \$275,000. The project will be bid for construction in Spring 2026. The current request is for \$275,000.

Bridge S-13 Replacement, CR 53 (Cold Spring Rd) over Wappinger Creek, Town of Stanford. The bridge consists of two metal pipes and stone retaining walls and foundation. This structure has scour and deterioration of the stone structures. This bridge was constructed in 1955 and has a general rating of 4. Plans and specifications will be prepared by consultants. Construction will be performed by contracted services and construction inspection will be performed by consultants. Design and right-of-way acquisition is estimated at \$275,000. The project will be bid for construction in Spring 2026. The current request is for \$275,000.

Bridge D-34 Replacement, Ridge Road over the Mill River, Town of Dover. This bridge was built in 1910 and has a condition rating of 5. It is functionally obsolete and has a poor substructure. This project involves complete replacement of the bridge and construction of a temporary road and bridge. Plans and specifications

are being prepared by consultants. Construction will be performed by contracted services and construction inspection will be performed by consultants. Design and right-of-way work was funded in 2020. The project will be bid for construction in Fall 2023. Construction is estimate at \$2,800,000 and construction inspection at \$300,000. The current request is for \$3,100,000.

Bridge D-66 Replacement, CR 6 (Old Route 22) over Swamp River, Town of Dover. Since 2014 this bridge received four flags for undermining of the center pier and deterioration of the steel girders. Although repairs have been made by in-house forces, the bridge is currently posted at 22 tons. The bridge was built in 1900 and has a condition rating of 4. Plans and specifications are being prepared by consultants. Construction will be performed by contracted services and construction inspection will be performed by consultants. Design and right-of-way acquisition was funded in 2020. The project will be bid for construction in Fall 2023. Construction is estimated at \$2,100,000 and construction inspection at \$250,000. The current request is for \$2,350,000.

Bridge W-21 Replacement, Stanford Road over East Branch Wappinger Creek, Town of Washington. This bridge has advanced deterioration of the steel beams and wingwalls. The bridge was built in 1929 and has a condition rating of 4. Plans and specifications will be prepared by consultants. Plans and specifications are being prepared by consultants. Construction will be performed by contracted services and construction inspection will be performed by consultants. Design and right-of-way acquisition was funded in 2020. The project will be bid for construction in Fall 2023. Construction is estimate at \$2,200,000 and construction inspection at \$250,000. The current request is for \$2,450,000.

Bridge Painting, Various Locations, County Wide. This project will involve removing old failing paint and rust from steel bridge structures and applying a new paint coating system. Work also includes specialized inspection services provided by consultants to assure proper surface preparation and paint application. Design by County forces, construction by contracted services. The current request is for \$1,000,000.

Culverts PA-37 and PA-40 Replacement, CR 69 (Harmony Hill Road) over unnamed creek, T/O Pawling. Culvert PA-37 is a 6.5-foot span concrete and I-Beam structure that is in poor condition. The superstructure beams, deck and abutments are beginning to deteriorate. The culvert has a condition rating of 4. Culvert PA-40 is a 6-foot span concrete and I-Beam structure that is also in poor condition. PA-40 has a condition rating of 3. Plans and specifications for both structures, including right-of-way acquisition, will be prepared by consultants. Consultant costs are estimated at \$200,000. Construction is planned for 2025. The current request is for \$200,000.

Culverts D-6 and D-7 Replacement, CR 23 (Little Rest Rd) over unnamed creek, and CR 24 (Chestnut Ridge Rd) over unnamed creek, T/O Dover. Culvert D-6 is a 9-foot span concrete structure. The concrete structure shows advanced deterioration. The culvert has a condition rating of 4. Culvert D-7 is a 10-foot span concrete structure with a metal pipe widening of unknown date. The

structure is in poor condition with scour related issues. D-7 has a condition rating of 3. The culverts both carry the same water course and are within approximately 500' of each other. Plans and specifications for both structures, will be prepared by in-house staff. Specialty consultants and right-of-way costs are estimated at \$100,000. Construction is planned for 2025. The current request is for \$100,000.

Culvert M-29 Replacement, CR 52 (Round Lake Rd) over unnamed creek, T/O Milan. Culvert M-29 is a 6-foot diameter metal pipe. The shows deterioration and perforation of the invert. The culvert has a condition rating of 4. The project will include the design and replacement of a nearby unnamed culvert. Plans and specifications for both culverts, will be prepared by in-house staff. Specialty consultants and right-of-way costs are estimated at \$100,000. Construction is planned for 2025. The current request is for \$100,000.

Culverts PA-1 and PA-4 Replacement, CR 68 (North Quaker Hill Road) over unnamed creek, T/O Pawling. Culvert PA-4 is a 6-foot span concrete and I-Beam structure that is in poor condition. The superstructure beams, deck and abutments are beginning to deteriorate. The latest inspection noted spalled concrete and other signs of deterioration. Culvert PA-1 is a 14-foot span jack arch structure built in 1954 that is also in poor condition. PA-1 was posted for an 11-ton weight limit at the end of 2021. The latest inspection noted extensive corrosion and section loss in the steel supporting the deck. Plans are being prepared by a consultant for both structures. The design was funded in 2022. Construction is estimated to cost \$800,000 and construction inspection is estimated to cost \$200,000. The project is anticipated to be bid in late 2023 for construction in 2024. The current request is for \$1,000,000.

Highway Safety and Drainage Improvement Program

CR 44 (Red Oaks Mill Rd) at CR 44S (Walker Road) and Cochran Hill Road Intersection Improvements, Town of Lagrange. This intersection has non-standard geometry and a volume of approximately 16,800 vehicles per day. The intersection is controlled with a stop-sign. This project involves performing a detailed study and development of design plans and specifications for functional and safety improvement of the subject intersection. The study will also include the intersection of CR 44 with CR 49 (Titusville Road) for potential traffic signal improvements. Studies and design work will be performed by a consultant. Estimated cost of studies, design and right-of-way is \$350,000. Construction is anticipated to occur in 2026. This request is for \$350,000.

CR 29 (Clove Branch Road) at CR 33 (Hillside Lake Road) Intersection Improvements, Town of Wappinger. This intersection has a volume of approximately 8,000 vehicles per day and has been identified as a location with a rate of injury in crashes. This project will study and develop plans for safety improvements to the intersection. Studies and design work will be performed by in-house staff. It is anticipated that specialty consultants will cost approximately \$50,000 and that right-of-way will cost approximately \$25,000. Construction is anticipated to occur in 2025. The current request is for \$75,000.

Imperial Boulevard Survey & Improvements, Town of Wappinger. This project funds the survey of Imperial Boulevard, as well as the design of improvements. Improvements include replacement and repair of approximately 0.4 miles of sidewalks and curbs, replacement of existing stormwater drainage structures and pipes, and repaving of approximately 0.3 miles of road. This work is anticipated to be completed by a consultant. The current request is for \$300,000.

Traffic Signal Upgrades, Towns of Lagrange and Wappinger. This project will study and create design plans to upgrade the traffic signal at CR 49 (Titusville Rd) and CR 21 (Noxon Rd) to a camera actuated system. It will also study and create design plans for the installation of a new traffic signal at the intersection of CR 93 (Meyers Corners Road) and Spook Hill Road. This work will be performed by consultants and is estimated to cost \$200,000. The current request is for \$200,000.

Miscellaneous Drainage, Safety and Parking Lot Improvements, County-wide. This request is to fund capital repairs to culverts, large pipes, and drainage systems as necessary. These projects may also include repairs to parking lots and other safety-related improvements. Severe weather, unforeseen damage and unanticipated repair needs require the Department to maintain the ability to expend funds on capital projects to keep the transportation system safe and operational. The current request includes \$200,000.

Guide Rail/Bridge Rail Installation, Repair or Replacement, County-wide. This request is to fund installation, repair or replacement of highway guide rail or bridge rail at various locations throughout the county road system. The current request includes \$300,000.

Note: Estimates for individual projects are approximate based on current information. Some projects may actually come in lower or higher than estimated; however, the cost for all projects combined will be within the total \$14.55 million.