STATE OF NEW YORK
OFFICE OF THE STATE COMPTROLLER

ANNUAL PUBLIC AUTHORITY BUDGET AND FINANCIAL PLAN REQUEST 2020

Legal Authority: "Budget and Financial Plan Format, Supporting Documentation and Monitoring - Public Authorities" (2 NYCRR, Part 203)

PUBLIC AUTHORITY NAME & ADDRESS: New York State Bridge Authority
Mid-Hudson Bridge Toll Plaza
P.O. Box 1010
Highland, NY 12528

BOARD APPROVAL DATE: December 19, 2019

FISCAL YEAR START DATE: January 1

PREPARED BY: Brian Bushek

TITLE: Treasurer

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SIGNATURE:

DATE: 12/17/19

NEW YORK STATE BRIDGE AUTHORITY
ANNUAL PUBLIC AUTHORITY
BUDGET AND FINANCIAL PLAN
2020 - 2023

A) Relationship with unit of government on whose behalf the Authority was established.

The New York State Bridge Authority is a body corporate and politic and public benefit corporation created in 1932 and existing pursuant to the Act. The Act provides that the Authority shall continue its corporate existence and operate and maintain the Bridge Systems so long as it shall have bonds or other obligations outstanding and until its existence shall be terminated by law. Upon cessation of the Authority, all its rights and properties shall pass to the State of New York.

B) Description of the budget process.

The Authority carefully monitors its performance against two separate budgets each year. The Operating Budget allocates the resources available from the Operating Fund. The Five Year Capital Improvement Program governs the use of funds in the Construction Fund and the Maintenance Reserve Fund.

The Operating Budget includes all expenses for the regular operations of the Authority's Executive Office and departmental cost centers as part of the three functional areas: Administration, Operations, and Engineering and Maintenance. Development of the Operating Budget is coordinated by the Treasurer under the supervision of the Executive Director. The budget for the next fiscal year is proposed to the Authority members late in the summer of each year and is approved by the members at a formal meeting prior to October 1st.

Throughout the year, the Authority produces monthly financial statements, usually within 30 days after the end of each month. The statements of revenue, expenses, and changes in net position is presented for each facility in order to monitor performance against budget projections.

The development of the Authority's Capital Improvement Program is directly responsive to the annual program of detailed bridge inspections conducted by independent consulting civil and structural engineers.

Each September, the Authority revises the Capital Improvement Program for the next five years by re-prioritizing all of the projects that have been proposed for implementation and identifying the specific projects that will be undertaken during the following year. The program decisions are proposed to the Authority Board by the Executive Director and Chief Engineer. The Authority makes its formal decision on the program at a public meeting after receipt of a report on the annual inspections by a representative of the Consulting Engineer.

The data upon which the program decisions are made include, among other factors:

- the annual inspection reports of independent engineering firms;
- the Consulting Engineer's separate specific program recommendations report;
- the estimate of the Authority's Chief Engineer and his staff as to the capability and availability of in-house personnel to undertake the projects recommended;
- the potential for traffic disruption and revenue loss in the event that lanes of adjoining bridges were to be affected by construction simultaneously; and
- the availability of funds.

Subsequent to approval by the Authority, the projects to be moved forward are organized into contracts and a letting

schedule is developed. The Authority then exercises its power of approval or rejection over the letting of each contract and, once awarded, each contract in progress is the subject of a monthly written report to the Executive Director and the members of the Authority Board until completion.

C) Description of the principal budget assumptions, including sources of revenues, staffing and future collective bargaining costs, and programmatic goals.

Primary sources of Authority revenues include toll revenue, interest income, advertising, and fiber leasing. In 2018, $59.0 million in tolls accounted for 97.9% of overall operating revenue, with grants $0.46 million, $0.8 million of miscellaneous income primarily from advertising and fiber leasing, and interest on investments $1.4 million comprising the remaining income. On the expense side, salary and related fringe benefits of $17.9 million equaled 27.7% of the $64.6 million in total outlays. The $23.9 million cost of rehabilitation, construction and bridge repairs was 37 % of overall expenditures.

In 2019, toll revenues are projected to rise by 0.1% compared to 2018 primarily as a result of small decreases in commercial traffic experienced through the first half of 2019 offset by increases in passenger traffic. Toll Revenue for 2020 is expected to rise by 3.9%, or $2,300 thousand due to the implementation of a toll schedule revision that is phased in over four years. The increase will begin on May 1, 2020. The increase will be implemented on May 1 of each year with completion projected for May 1, 2023.

Interest income is based upon the estimated inventory of investments in the Authority's designated funds as provided for in its bond resolution. Interest rates are projected between 1.0% and 2.25% depending on maturity. The Maintenance Reserve and Construction Funds are used to fund capital improvements. These disbursements increased in 2018 and are projected to further decrease slightly in 2019 as several contracts, the largest being apprach renovations at Newburgh-Beacon bridge, are completed. Investment income is expected to decrease after 2019 as interest rates remain low and funds available to invest decline over time.

Operating expenses are projected to rise $3.8 million in 2019 over prior year, or 12.5%. Overall personnel related costs account for most of the increase as it is driven primarily from staffing and GASB 45/75. The Authority experienced in 2018 a number of open positions that it was unable to fill until late 2018 or 2019. Fully staffing maintenance accounts for the majority of the $1.4 million increase in engineering and maintenance staffing costs. The Authority also projects a return to historic post employment benefit costs in 2019, increasing by $1.0 million. In 2018 costs were substantially below prior years due to a change in actuarial assumptions implemented with the transition to GASB 45/75. Other increases include maintenance and repairs, increasing $0.5 million, associated with continued maintenance costs for facilities and equipment. Electronic toll cost also increase by $0.2 million from increased E-ZPass utilization. Most other operating expenses are projected to be stable. Operating expenses in 2020 increase $1.5 million, or 4.5%.

Though staffing levels change at any given time, the Authority currently maintains a staff of 115 full time and 83 part time employees. All but 30 management/confidential employees are represented by the CSEA. The Authority settled a contract with CSEA during 2017 covering the period April 1, 2017 through March 31, 2022. The contract provides for the following pay increases, excluding step and longevity increases, for the contract year beginning in April: 2017 2.75%, 2018 2.75%, 2019 2.5%, 2020 2.5%, and 2021 2.0%. Total payroll is forecasted to increase at an average rate of 3% reflecting step and longevity increases. In 2021 the Authority projects severance costs associated with the implementation of Tolls by Mail. Subsequent reductions in salaries are not projected, but are expected to be offset by increased electronic toll costs.

D) Provide a self-assessment of budgeting risks.

Other than the sale of debt to support capital improvements or rehabilitation, the Authority has never depended on significant revenue from any source except tolls. As such, loss of toll revenue, in particular at the Newburgh-Beacon Bridge which takes in $.53 of each Authority toll revenue dollar is a risk. Though the risk is small, all Authority bridges are covered for property damage and up to two years loss of revenue. In addition the Authority is sensitive to fluctuations in traffic driven by economic conditions. A substantial rise in fuel prices may have an impact on forecasted revenues.

The Authority is projecting a toll schedule revision that will be phased in annually over four years beginning on May 1, 2020 with completion on May 1, 2023. The Authority is required under it's enabling act to receive approval by the NYS Commissioner of the Department of Transportation to implement a toll schedule revision.

On the expense side, the annual increases in health insurance costs, employee retirement, and the recording of an accrual for health insurance benefits due current employees in retirement may pose future budgeting risks. The Authority is in compliance with the Governmental Accounting Standards Board Statements 45/75 (GASB 45/75) as of December 31, 2017. These costs, currently estimated at $1.6 million per year, will ultimately need to be funded. This will require reduced spending in other areas or a toll revenue enhancement. As of December 31, 2016, the Authority was in compliance with GASB 68. Significant changes in the value of retirement assets and or actuary computed liabilities from the New York State and Local Retirement System or actuaries for post employment benefits could materially affect expenses.

The bridge system is subject to severe weather conditions, such as storms, winds, floods, earthquake, fires, explosions, spills of hazardous substances, strikes and lockouts, sabotage, wars, blockades and riots, threats and acts of terrorism. The Authority cannot predict the potential impact of such events on financial condition.

NY State created the Spending and Government Efficiency (SAGE) Commission in 2011, which reviewed all Authorities and state agencies and proposed recommendations for functional efficiencies up to and including complete consolidation/merger with other agencies or entities. While the Authority is not aware of any pending legislative action, the Authority cannot predict the potential impact of consolidation/merger initiatives that may be considered at a future date.

E) Revised forecast of the current year's budget.

See Accompanying Budget and Financial Plan 2020 - 2024.

F) Reconciliation that identifies all changes in estimates from the projections in the previously approved budget or plan.

See Accompanying Statement (Attachment #1)

The recently revised 2019 budget leaves unchanged the original 2019 budget projection for toll revenue. Small reductions in commercial traffic volumes have been offset by increases in passenger traffic. Expected interest income will rise to $1.6 million from $1.1 million due to higher rates

Overall Operating Expenses are expected to increase $0.1 million or approximately 0.2% from the 2019 budget developed in 2018, an increase of $3.8 million from the prior year end. The variances to budget include: an increase in salaries associated with filling positions from prior retirements and contractually obligated wage and salary increases; an increase in employee health insurance associated with GASB 45/75 actuarially computed liabilities; and a reduction of electronic toll costs associated with lower E-ZPass transaction costs.

Non-operating Expenses varied from the original budget for the changes in fair market value of investments and the capital program. The capital program is now projected to cost $5 million lower than the original projection due to various projects including $1.5 million reduced based on final bid lower than projected at Newburgh-Beacon for pedestrian walkway repairs, $1.0 million reduced for delayed pier based repairs based on current inspections, and $1.6 million delayed security systems enhancements that will begin next year.

G) Statement of the last completed fiscal year's actual financial performance in categories consistent with the proposed budget or financial plan.

See Accompanying Statement (Attachment #1)

H) Projection of the number of employees, including sources of funding, the numbers of full-time and full-time equivalents, and functional classifications.

Though the exact number at a given time is unknown, the total number of full-time-equivalent employees is expected to remain. relatively stable until the implementation of AET. As the AET is implemented there will be a significant reduction in toll toll collection positions. Employee salaries are funded from toll revenues.

There are 115 full time employees classified as follows:

Toll Collectors - 22
Laborers - 51
Clerical - 18
Management - 24

There are 83 part time employees classified as follows:

Toll Collectors - 75
Laborers - 2
Management - 6

The 83 part time staff currently work hours equivalent to 50 full time employees.

I) Statement of each revenue-enhancement and cost-reduction initiative that represents a component of any gap-closing program and the annual impact on revenues, expenses and staffing.

The Authority projects the implementation of a toll increase phased in annually over four years. This incemental revenue enhancement will increase revenues annually and is projected to begin May 1, 2020 and be completed on May 1, 2023. This increase is necessary to support the capital program and primarily the replacement of the deck on the Newburgh-Beacon North Span.

The Authority performs ongoing adjustments to staffing levels to reflect traffic converting to E-Zpass. The Authority promotes and incentivizes the use of E-Zpass through discounted tolls. This has reduced the need to man toll booths as the toll industry moves toward AET. Continuous management of staffing levels for traffic demand is reflected in the 2020-2023 Budget and Financial Plan as the Authority projects to transition to AET in 2021.

J) Statement of the source and amount of any material non-recurring resource that is planned for use in any given fiscal year.

NONE

K) Statement of any transactions that shift material resources from one year to another and the amount of any reserves.

NONE

L) Statement of borrowed debt projected to be outstanding at the end of each fiscal year covered by the budget or financial plan; the planned use or purpose of debt issuances; scheduled debt service payments for both issued and proposed debt; the principal amount of proposed debt and assumed interest rate(s); debt service for each issuance as a percentage of total pledged revenues; listed by type or category of pledged revenues; cumulative debt service as a percentage of available revenues; and amount of debt that can be issued until legal limits are met.

See Accompanying Statement (Attachment #2)

M) Statement of the annual projected capital cost broken down by category and sources of funding, and for each capital project, estimates of annual commitment, total project cost, expected date of completion and the annual cost for operating and maintaining those capital projects or capital categories that, when placed into service, are expected to have a material impact on the operating budget.

The sources of funding for all capital projects are toll revenues, interest income, debt proceeds financed from toll revenues, fiber leasing, advertising revenues, and the current values in our Maintenance Reserve Fund. The annual cost for operating and maintaining the capital plan is not expected to have a material impact on the operating budget.

See Accompanying Statement (Attachment #3)

NEW YORK STATE BRIDGE AUTHORITY
Budget & Financial Plan
2020 - 2023
($000's)

	Last Year (Actual) 2018	Current Year (Estimated) 2019	Next Year (Modified Adopted Budget) 2020	Proposed Budget 2021	Proposed Budget 2022	Proposed Budget 2023
REVENUE:						
TOLL REVENUE						
RIP VAN WINKLE BRIDGE	4,933	4,870	5,060	5,035	5,422	5,810
KINGSTON-RHINECLIFF BRIDGE	6,279	6,272	6,516	6,484	6,983	7,482
MID-HUDSON BRIDGE	11,115	11,316	11,756	11,699	12,599	13,497
NEWBURGH-BEACON BRIDGE	31,017	30,945	32,149	31,992	34,453	36,915
BEAR MOUNTAIN BRIDGE	5,676	5,697	5,919	5,890	6,343	6,796
TOTAL TOLL REVENUE	59,020	59,100	61,400	61,100	65,800	70,500
INTEREST INCOME	1,389	1,600	900	400	400	400
MISCELLANEOUS INCOME	769	750	650	650	650	650
STATE GRANTS	460	1,500				
PROCEEDS FROM ISSUANCE OF DEBT				40,000	90,000	
TOTAL REVENUE	61,638	62,950	62,950	102,150	156,850	71,550
OPERATING EXPENSE:						
ADMINISTRATION EXPENSE						
SALARIES	2,236	2,409	2,431	2,504	2,579	2,656
EMPLOYEE RETIREMENT	295	514	486	505	526	547
SOCIAL SECURITY	159	184	187	193	198	204
EMPLOYEE HEALTH INSURANCE	777	904	959	997	1,037	1,079
EMPLOYEE DENTAL & VISION CARE INSURANCE	45	34	35	36	38	39
UNEMPLOYMENT	9	12	0	0	0	0
DISABILITY INSURANCE	1	1	1	1	1	1
SURVIVORS' BENEFITS	0	7	7	7	8	8
COMMUNICATIONS	66	83	83	86	90	93
UTILITIES	133	156	156	162	169	175
WORKERS' COMPENSATION INSURANCE	5	4	13	14	14	15
COMMERCIAL INSURANCE	1,512	1,595	1,776	1,847	1,921	1,998
PROFESSIONAL SERVICES	573	713	666	693	720	749
SUPPLIES AND MATERIALS	41	55	56	58	61	63
MAINTENANCE AND REPAIRS	52	117	113	118	122	127
INTERGOVERNMENTAL SERVICES ASSESSMENT	424	450	450	468	487	506
EQUIPMENT	15	36	28	29	30	31
OTHER EXPENSES	161	208	208	616	225	234
TOTAL ADMINISTRATION EXPENSE	6,504	7,482	7,655	8,335	8,225	8,527

	Last Year (Actual) 2018	Current Year (Estimated) 2019	Next Year (Adopted Budget) 2020	Proposed Budget 2021	Proposed Budget 2022	Proposed Budget 2023
OPERATIONS EXPENSE						
SALARIES	5,907	6,126	6,511	7,574	6,908	7,114
EMPLOYEE RETIREMENT	704	640	714	881	772	803
SOCIAL SECURITY	441	469	498	579	528	545
EMPLOYEE HEALTH INSURANCE	1,565	2,049	2,258	2,588	2,442	2,540
EMPLOYEE DENTAL & VISION CARE INSURANCE	77	55	72	59	62	64
UNEMPLOYMENT	11	15	15	757	16	17
DISABILITY INSURANCE	7	8	8	8	9	9
SURVIVORS' BENEFITS	0	7	7	7	8	8
COMMUNICATIONS	150	147	197	205	213	222
UTILITIES	98	137	137	142	148	154
WORKERS' COMPENSATION INSURANCE	149	162	156	162	169	175
PROFESSIONAL SERVICES	17	56	66	69	71	74
SUPPLIES AND MATERIALS	159	208	208	216	225	234
MAINTENANCE AND REPAIRS	346	558	564	587	610	634
ELECTRONIC TOLL COSTS	4,166	4,399	4,538	5,530	5,361	5,297
EQUIPMENT	230	224	224	233	242	252
OTHER EXPENSES	108	132	125	245	152	158
TOTAL OPERATIONS EXPENSE	14,135	15,392	16,298	19,843	17,936	18,300
ENGINEERING AND MAINTENANCE EXPENSE						
SALARIES	3,145	3,789	3,951	4,070	4,192	4,317
EMPLOYEE RETIREMENT	462	690	686	713	742	772
SOCIAL SECURITY	293	360	373	384	396	408
EMPLOYEE HEALTH INSURANCE	1,687	2,178	2,330	2,423	2,520	2,621
EMPLOYEE DENTAL & VISION CARE INSURANCE	103	92	95	99	103	107
UNEMPLOYMENT	0	6	6	6	6	7
DISABILITY INSURANCE	4	5	5	5	5	6
SURVIVORS' BENEFITS	13	7	7	7	8	8
COMMUNICATIONS	25	36	35	36	38	39
UTILITIES	220	249	251	261	271	282
WORKERS' COMPENSATION INSURANCE	388	413	413	430	447	465
PROFESSIONAL SERVICES	361	333	458	476	495	515
SUPPLIES AND MATERIALS	102	123	124	129	134	139
MAINTENANCE AND REPAIRS	338	546	558	580	604	628
EQUIPMENT	143	46	46	48	50	52
OTHER EXPENSES	42	77	80	83	87	90
TOTAL ENGINEERING AND MAINTENANCE EXPENSE	7,326	8,950	9,418	9,751	10,097	10,455
DEPRECIATION ON BUILDINGS/EQUIPMENT	2,599	2,555	2,551	2,500	2,500	2,500
TOTAL OPERATING EXPENSE	30,564	34,379	35,922	40,429	38,758	39,782

NONOPERATING (REVENUE) EXPENSE	Last Year (Actual) 2018	Current Year (Estimated) 2019	Next Year (Adopted Budget) 2020	Proposed Budget 2021	Proposed Budget 2022	Proposed Budget 2023
PRINCIPAL ON BONDS	7,450	7,745	8,055	8,380	49,210	9,060
INTEREST ON BONDS	2,630	2,321	1,996	2,672	2,712	4,546
CHANGES IN FAIR MARKET VALUE OF INVESTMENTS	-29	150	150	150	150	150
CAPITAL PLAN OUTLAYS	23,941	20,299	48,143	63,701	64,592	29,683
TOTAL NONOPERATING EXPENSES	33,992	30,515	58,344	74,903	116,664	43,439
TOTAL EXPENSES	64,556	64,894	94,266	115,332	155,422	83,221
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(2,918)	(1,944)	(31,316)	(13,182)	1,428	(11,671)

NEW YORK STATE BRIDGE AUTHORITY
BUDGET AND FINANCIAL PLAN SUMMARY FILE
2020 - 2023
BUDGETED REVENUES, EXPENDITURES, AND CHANGES IN CURRENT NET ASSETS
($000's)

	Last Year (Actual) 2018	Current Year (Estimated) 2019	Next Year (Adopted) 2020	Proposed 2021	Proposed 2022	Proposed 2023
REVENUE & FINANCING SOURCES						
Operating Revenues						
Charges for services	59,020	59,100	61,400	61,100	65,800	70,500
Rental & financing income	0	0	0	0	0	0
Other operating revenues	769	750	650	650	650	650
Nonoperating Revenues						
Investment earnings	1,389	1,600	900	400	400	400
State subsidies/grants	460	1,500	0	0	0	0
Federal subsidies/grants	0	0	0	0	0	0
Municipal subsidies/grants	0	0	0	0	0	0
Public authority subsidies	0	0	0	0	0	0
Other nonoperating revenues	0	0	0	0	0	0
Proceeds from the issuance of debt	0	0	0	40,000	90,000	0
Total Revenues & Financing Sources	61,638	62,950	62,950	102,150	156,850	71,550
EXPENDITURES						
Operating Expenditures						
Salaries and wages	11,288	12,324	12,893	14,148	13,679	14,088
Other employee benefits	6,653	8,237	8,749	10,258	9,424	9,790
Professional services contracts	951	1,102	1,190	1,238	1,287	1,339
Supplies and materials	302	386	388	404	420	436
Other operating expenditures	11,370	12,330	12,702	14,382	13,949	14,128
Nonoperating Expenditures						
Payment of principal on bonds and financing arrangements	7,450	7,745	8,055	8,380	49,210	9,060
Interest and other financing charges	2,630	2,321	1,996	2,672	2,712	4,546
Subsidies to other public authorities	0	0	0	0	0	0
Capital asset outlay	23,941	20,299	48,143	63,701	64,592	29,683
Grants and donations	0	0	0	0	0	0
Other nonoperating expenditures	-29	150	150	150	150	150
Total Expenditures	64,556	64,894	94,266	115,332	155,422	83,221
CAPITAL CONTRIBUTIONS						
Excess (deficiency) of revenues and capital contributions over expenditures	(2,918)	(1,944)	(31,316)	(13,182)	1,428	(11,671)

NEW YORK STATE BRIDGE AUTHORITY
Budget & Financial Plan
2020 - 2023

CONDENSED STATEMENT OF NET CURRENT ASSETS
($000's)

	Last Year (Actual) 2018	Current Year (Estimated) 2019	Next Year (Adopted Budget) 2020	Proposed Budget 2021	Proposed Budget 2022	Proposed Budget 2023
ASSETS						
Current Assets:						
Cash and cash equivalents	11,170	12,000	12,000	12,000	12,000	12,000
Investments	0	0	0	0	0	0
Receivables, net	3,192	3,000	3,000	3,000	3,000	3,000
Other assets	1,921	1,800	1,800	1,800	1,800	1,800
Restricted cash, investments and capital funds	76,852	74,908	43,592	30,410	31,837	20,167
TOTAL CURRENT ASSETS	93,135	91,708	60,392	47,210	48,637	36,967
LIABILITIES						
Current Liabilities:						
Accounts payable	3,262	2,000	2,000	2,000	2,000	2,000
Accrued liabilities	4,525	4,000	4,000	4,000	4,000	4,000
Pension contribution payable	0	0	0	0	0	0
Deferred revenues	909	846	783	720	657	594
Bond anticipation notes payable	0	0	0	0	0	0
Long-term debt due within one year	8,611	7,745	8,055	8,380	49,210	9,060
TOTAL CURRENT LIABILITIES	17,307	14,591	14,838	15,100	55,867	15,654
NET CURRENT ASSETS (DEFICIT)						
Net Current Assets:						
Restricted	76,852	74,908	43,592	30,410	31,837	20,167
Unrestricted	16,283	16,800	16,800	16,800	16,800	16,800
CURRENT ASSETS NET OF CURRENT LIABILITIES	75,828	77,117	45,554	32,110	-7,230	21,313

Attachment #1

NEW YORK STATE BRIDGE AUTHORITY
Revenues and Expenditures
Actual Financial Performance 2018 and Change in Estimates
for Previously Approved 2019 Budget
($000's)

	Actual Financial Performance 2018	09/20/18 Approved Budget 2019	12/17/19 Revised Budget 2019	Difference Between Approved and Revised Budget 2019
REVENUE:				
TOLL REVENUE				
RIP VAN WINKLE BRIDGE	4,933	4,900	4,870	(30)
KINGSTON-RHINECLIFF BRIDGE	6,279	6,300	6,272	(28)
MID-HUDSON BRIDGE	11,115	11,100	11,316	216
NEWBURGH-BEACON BRIDGE	31,017	31,100	30,945	(155)
BEAR MOUNTAIN BRIDGE	5,676	5,700	5,697	(3)
TOTAL TOLL REVENUE	59,020	59,100	59,100	-
FEDERAL AND STATE GRANTS	0	0	0	-
INTEREST INCOME	1,389	1,100	1,600	500
MISCELLANEOUS INCOME	769	650	750	100
TOTAL REVENUE	61,178	60,850	61,450	600
OPERATING EXPENSE:				
ADMINISTRATION EXPENSE				
SALARIES	2,236	2,431	2,409	(22)
EMPLOYEE RETIREMENT	295	299	514	215
SOCIAL SECURITY	159	187	184	(3)
EMPLOYEE HEALTH INSURANCE	777	1,055	904	(151)
EMPLOYEE DENTAL & VISION CARE INSURANCE	45	44	34	(10)
UNEMPLOYMENT	9	0	12	12
DISABILITY INSURANCE	1	2	1	(1)
SURVIVORS' BENEFITS	0	7	7	-
COMMUNICATIONS	66	80	83	3
UTILITIES	133	160	156	(4)
WORKERS' COMPENSATION INSURANCE	5	4	4	-
COMMERCIAL INSURANCE	1,512	1,670	1595	(75)
PROFESSIONAL SERVICES	573	804	713	(91)
SUPPLIES AND MATERIALS	41	57	55	(2)
MAINTENANCE AND REPAIRS	52	101	117	16
INTERGOVERNMENTAL SERVICES ASSESSMENT	424	470	450	(20)
EQUIPMENT	15	23	36	13
OTHER EXPENSES	161	195	208	13
TOTAL ADMINISTRATION EXPENSE	6,504	7,589	7,482	(107)

	Actual Financial Performance 2018	09/20/18 Approved Budget 2019	12/17/19 Revised Budget 2019	Difference Between Approved and Revised Budget 2019
OPERATIONS EXPENSE				
SALARIES	5,907	6,059	6,126	67
EMPLOYEE RETIREMENT	704	755	640	(115)
SOCIAL SECURITY	441	464	469	5
EMPLOYEE HEALTH INSURANCE	1,565	2,073	2,049	(24)
EMPLOYEE DENTAL & VISION CARE INSURANCE	77	79	55	(24)
UNEMPLOYMENT	11	15	15	-
DISABILITY INSURANCE	7	10	8	(2)
SURVIVORS' BENEFITS	0	7	7	-
COMMUNICATIONS	150	196	147	(49)
UTILITIES	98	137	137	-
WORKERS' COMPENSATION INSURANCE	149	172	162	(10)
PROFESSIONAL SERVICES	17	61	56	(5)
SUPPLIES AND MATERIALS	159	205	208	3
MAINTENANCE AND REPAIRS	346	514	558	44
ELECTRONIC TOLL COSTS	4,166	4,702	4,399	(303)
EQUIPMENT	230	226	224	(2)
OTHER EXPENSES	108	133	132	(1)
TOTAL OPERATIONS EXPENSE	14,135	15,808	15,392	(416)
ENGINEERING AND MAINTENANCE EXPENSE				
SALARIES	3,145	3,738	3,789	51
EMPLOYEE RETIREMENT	462	467	690	223
SOCIAL SECURITY	293	356	360	4
EMPLOYEE HEALTH INSURANCE	1,687	2,148	2,178	30
EMPLOYEE DENTAL & VISION CARE INSURANCE	103	106	92	(14)
UNEMPLOYMENT	0	6	6	-
DISABILITY INSURANCE	4	5	5	-
SURVIVORS' BENEFITS	13	7	7	-
COMMUNICATIONS	25	37	36	(1)
UTILITIES	220	247	249	2
WORKERS' COMPENSATION INSURANCE	388	290	413	123
PROFESSIONAL SERVICES	361	308	333	25
SUPPLIES AND MATERIALS	102	124	123	(1)
MAINTENANCE AND REPAIRS	338	517	546	29
EQUIPMENT	143	46	46	-
OTHER EXPENSES	42	75	77	2
TOTAL ENGINEERING AND MAINTENANCE EXPENSE	7,326	8,477	8,950	473
DEPRECIATION ON BUILDINGS/EQUIPMENT	2,599	2,421	2,555	134
TOTAL OPERATING EXPENSE	30,564	34,295	34,379	84

	Actual Financial Performance 2018	09/20/18 Approved Budget 2019	12/17/19 Revised Budget 2019	Difference Between Approved and Revised Budget 2019
NONOPERATING EXPENSE				
PRINCIPAL ON 1997, 2002, 2011, AND 2012 BONDS	7,450	7,745	7,745	-
INTEREST ON 1997, 2002, 2011, AND 2012 BONDS	2,630	2,321	2,321	-
CHANGES IN FAIR MARKET VALUE OF INVESTMENTS	-29	150	150	-
CAPITAL PLAN OUTLAYS	23,941	25,305	20,299	(5,006)
TOTAL NONOPERATING EXPENSES	33,992	35,521	30,515	(5,006)
TOTAL EXPENSES	64,556	69,816	64,894	(4,922)
DEFICIENCY OF REVENUES OVER EXPENDITURES	(3,378)	(8,966)	(3,444)	5,522

Attachment #2

NEW YORK STATE BRIDGE AUTHORITY
Budget & Financial Plan
2020 - 2023
Debt Schedule - December 31st
($000's)

	2020	2021	2022	2023
Debt Outstanding (Principal)	$66,470	$98,590	$132,820	$123,760
Debt Service Payments (Principal & Interest)	11,240	11,235	11,236	11,239
2021 BANs D/S Payment (Interest Only)		1,013	203	
2022 Bonds D/S Payments (Principal & Interest)			2,999	3,598
2012 Bonds Debt Service as a % of total pledged revenues *	17.85%	17.82%	16.54%	15.45%
2021 Bond Anticipation Note Debt Service as a % of total pledged revenues *-Excludes Repayment		1.63%	0.30%	
2022 Bonds Debt Service as a % of total pledged revenues *			4.49%	5.03%
Cumulative Debt Service as a % of total pledged revenues *	17.85%	19.45%	21.33%	20.48%

The proceeds of the Series 2012 bond sale were used, along with surplus revenues, to fund overall capital improvement plan expenditures. The Authority issued the Series 2012, a 15-year $90.3 million debt issuance, at an all in TIC of 2.83%. The Series 2012 proceeds were used primarily to rehabilitate the deck on the south span of the Newburgh-Beacon Bridge. Proceeds were also used to fund a debt service reserve fund and pay costs of issuance. The Authority plans the issuance of a Bond Anticipation Note (BAN) for $40 million in 2021 to support the capital program. The BAN will be paid for through the issuance of $83,500 in 30 year bonds in 2022. Assumes principal and interest payable on January 1 is paid in the preceding year. The Authority is authorized to issue bonds and notes in an aggregate principal amount not-to-exceed $153.225 million.

* Pledged Revenue	2020	2021	2022	2023
Tolls	61,400	61,100	65,800	70,500
Interest Income	900	400	400	400
Other Income	650	650	650	650
	62,950	62,150	66,850	71,550

Attachment #3

NEW YORK STATE BRIDGE AUTHORITY
Budget & Financial Plan
2020 - 2023

SEE NEW YORK STATE BRIDGE AUTHORITY 2020 - 2024 CAPITAL IMPROVEMENT PROGRAM.

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

September 10, 2019

FACILITY	2019	PROGRAM YEARS 2020	2021	2022	2023	2024	FIVE (5) YEAR TOTAL
Rip Van Winkle Bridge	$0.775	$2.000	$0.000	$10.000	$0.000	$0.000	$12.000
Kingston-Rhinecliff Bridge	$1.800	$5.000	$0.000	$6.000	$10.000	$20.000	$41.000
Mid-Hudson Bridge	$0.050	$10.750	$6.000	$2.000	$0.000	$10.500	$29.250
Newburgh-Beacon Bridge	$10.600	$6.500	$41.500	$36.500	$5.750	$0.000	$90.250
Bear Mountain Bridge	$0.025	$3.000	$0.000	$0.500	$10.000	$0.000	$13.500
Walkway over the Hudson	$1.564	$0.700	$0.000	$0.000	$0.000	$2.600	$3.300
Systemwide (Engineering)	$3.000	$4.200	$3.650	$3.200	$3.100	$2.950	$17.100
Systemwide (IT Dept.)	$0.665	$1.148	$0.586	$0.357	$0.298	$0.538	$2.927
Systemwide (Adminstration)	$0.040	$0.120	$0.070	$0.040	$0.040	$0.050	$0.320
Systemwide (Operations)	$1.780	$14.725	$11.895	$5.995	$0.495	$0.500	$33.610
Program Total	$20.299	$48.143	$63.701	$64.592	$29.683	$37.138	$243.257

Board Adopted Sept. 19, 2019

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
R0001 2009	Facility Rehab	**Rip Van Winkle, Electrical Upgrade** Complete bridge electrical wiring removal, install new conductor cables, new load centers and transformers.	CONST		1.000					1.000	
			OTHER							0.000	
			TOTAL	0.000	1.000	0.000	0.000	0.000	0.000	1.000	
R0002 2010	Preventive Maintenance	**Rip Van Winkle, Maintenance Painting** Power tool clean and spot painting of pier steel bents and Deck Truss.	CONST				10.000			10.000	2022; $3 mil - Towers 2022; $7 mil - Deck Truss
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	10.000	0.000	0.000	10.000	
R0003 2010 2013	Facility Rehab	**Rip Van Winkle, Bridge Railing Replacement and sidewalk replacement** Complete bridge railing removal and replacement. Pedestrian walkway railing and roadway railings atop parapet walls, including pedestrian sidewalk replacement. C.O. #2 - parapet wall railing $728K	CONST							0.000	Greene County Grant - three (3) sidewalk viewpoints, $460K grant reimbursement anticipated in 2019
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
R0006 2013	Facility Rehab	**RVW - Approach Paving and NovaChip** Mill and Fill approach roadway and NovaChip overlay main bridge.	CONST		1.000					1.000	
			OTHER							0.000	
			TOTAL	0.000	1.000	0.000	0.000	0.000	0.000	1.000	
R0007 2017	Facility Rehab	**RVW - Truss Link Rehab** Structural Rehabilitation of the west abutment truss links M&M Design / Support	CONST	0.775						0.000	
			OTHER							0.000	
			TOTAL	0.775	0.000	0.000	0.000	0.000	0.000	0.000	
		Rip Van Winkle Annual Totals:		$0.775	$2.000	$0.000	$10.000	$0.000	$0.000	$12.000	<< 2020-2024 Total

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
K0001 2007 K0003 2010	Facility Rehab	**Kingston-Rhinecliff, Highway Improvements** K1 - West & East Approach Highway Improvements, $1 mil K3 - Replace deck overlay with "NovaChip", $2 mil.	CONST		3.000					3.000	Biennial Inspection indicates approach roadway is in good condition.
			OTHER							0.000	Moved from 2018 to 2020 and incorporate with R0006 - $1.0; M0003 - $3.0 = $7.0 total
			TOTAL	0.000	3.000	0.000	0.000	0.000	0.000	3.000	K0003 - Incorporated with approach resurfacing.
K0002 2010	Preventive Maintenance	**Kingston-Rhinecliff, Program Painting** Lead Abatement and re-painting of the west and east approach girder spans.	CONST				6.000			6.000	$6 mil delayed to 2022, paint remains in good condition.
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	6.000	0.000	0.000	6.000	
K0004 2015	Preventive Maintenance	**Kingston-Rhinecliff, Electrical Upgrade** Replace bridge power and lighting cables	CONST		2.000					2.000	
			OTHER							0.000	
			TOTAL	0.000	2.000	0.000	0.000	0.000	0.000	2.000	
K0006 2018	Facility Improvement	**Kingston-Rhinecliff, Pedestrian Walkway** 2019 provide safe pedestrian crossing between Ulster and Dutchess counties. Furnish and Install concrete barrier, pavement markings and approach roadway sidewalk.	CONST	1.500				10.000	20.000	30.000	Empire State Trail - Continuous link between Ulster & Dutchess Counties via Kingston-Rhinecliff Bridge. 2023-2024: $30mil for pedestrian sidewalk addition
			OTHER	0.300						0.000	
			TOTAL	1.800	0.000	0.000	0.000	10.000	20.000	30.000	
			CONST							0.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Kingston-Rhinecliff Annual Totals:		$1.800	$5.000	$0.000	$6.000	$10.000	$20.000	$41.000	<< 2020-2024 Total

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
M0002 2010	Preventive Maintenance	**Mid-Hudson, Maintenance Painting** Power tool clean and spot paint stiffening truss & towers	CONST				2.000			2.000	Postpone contract painting from 2020 to 2022.
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	2.000	0.000	0.000	2.000	
M0003 2010 & 2011	Facility Rehab	**Mid-Hudson, Approach and Bridge Paving** Mill and fill main span overlay with asphalt waterproofing membrane. Replace asphaltic plug joints. Pavement Joint repairs, drainage upgrade and cleaning, milling and re-pave, and striping. Replace Approach median barrier.	CONST			3.000				3.000	Deferred from 2019 - 2021 After curb/railing rehab
			OTHER							0.000	
			TOTAL	0.000	0.000	3.000	0.000	0.000	0.000	3.000	
M0005 2010	Facility Rehab	**Mid-Hudson, East Approach Viaduct Spans** Lead abatement of approach spans including arch truss over the Metro-North rail line.	CONST			3.000				3.000	Postponed from 2018 to 2021, $3 mil Paint System remains in good condition.
			OTHER							0.000	
			TOTAL	0.000	0.000	3.000	0.000	0.000	0.000	3.000	
M0006 2009	Investigation	**Mid-Hudson, Main Cable Inspection** 1) Inspection of the Main Cable last performed 2009. Opening Main Cable for Investigation and Sampling. Investigation testing / analysis report.	CONST							0.000	Next scheduled Investigation 2028, 10yrs.
			OTHER	0.050						0.000	
			TOTAL	0.050	0.000	0.000	0.000	0.000	0.000	0.000	
M0013 2019	Facility Improvement	**Mid-Hudson, Star Building & Admin Roof** Loading Dock w/ Roof system addition Admin Roof Rehab	CONST		0.750					0.750	
			OTHER							0.000	
			TOTAL	0.000	0.750	0.000	0.000	0.000	0.000	0.750	

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
M0014 2019	Facility Rehab	**Mid-Hudson Bridge** Remove and Replace bridge curbing & box beam railing	CONST		10.000					10.000	
			OTHER							0.000	
			TOTAL	0.000	10.000	0.000	0.000	0.000	0.000	10.000	
M0015 2019	Facility Rehab	**Mid-Hudson Bridge** Remove and Replace Main Cable Suspenders	CONST						10.000	10.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	10.000	10.000	
M0016 2019	Preventative Maint.	**Mid-Hudson Bridge** West Approach Rock Scaling	CONST						0.500	0.500	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.500	0.500	
			CONST							0.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
			CONST							0.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Mid-Hudson Annual Totals:		$0.050	$10.750	$6.000	$2.000	$0.000	$10.500	$29.250	<< 2020-2024 Total

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
N0005 2007	Facility Improvement	**Newburgh-Beacon, Approach Interchange** I-84 / Rte. 9W Overpass:Rehabilitation project: Deck Replacement and raising the floor system for vertical clearance and west approach reconstruction. 2016 - Rte 9W Design 2018 - 2019: Construction & Construction Inspection	CONST	8.850						0.000	1) $2 mil west approach reconstruction and new truck median barrier has been included in the 9W / I-84 rehabilitation project, 2018 - 2019
			ENGR	0.400						0.000	
			TOTAL	9.250	0.000	0.000	0.000	0.000	0.000	0.000	
N0008 2014	Facility Rehab	**NBB - North Span Deck Replacement** Replace deck, replace parapet wall, place polymer waterproofing overlay and install new LUS / gantries.	CONST		5.000	40.000	35.000	5.000		85.000	Award NBB Deck - Spring 2020 -$90mil deck replacement 2020, 2021, 2022 and 2023 approach/project closeout/retainage. -Design Deck Replacement 2019 - 2020 -Construction Award Spring 2020; start East & West approach crossover.
			OTHER	0.500	0.750	1.500	1.500	0.750		4.500	
			TOTAL	0.500	5.750	41.500	36.500	5.750	0.000	89.500	
N0010 2016	Extra Maintenance	**NBB - North Span Catwalk & Cable Tray Upgrade** Lower & Upgrade Catwalk to OSHA Compliance and Upgrade Utility Cable Tray system.	CONST	0.320						0.000	
			OTHER	0.030						0.000	
			TOTAL	0.350	0.000	0.000	0.000	0.000	0.000	0.000	
N0012 2016	Extra Maintenance	**NBB - South Span Pedestrian Walkway Repairs** Remove and replace sidewalk stringers and plates	CONST	0.500	0.750					0.750	
			OTHER							0.000	
			TOTAL	0.500	0.750	0.000	0.000	0.000	0.000	0.750	
			CONST							0.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Newburgh-Beacon Annual Totals:		$10.600	$6.500	$41.500	$36.500	$5.750	$0.000	$90.250	**<< 2020-2024 Total**

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
B0005 2007	Extra Maintenance	**Bear Mountain - Main Cable Evaluation** Opening Main Cable for Investigation and Sampling. Investigation testing / analysis report.	CONST							0.000	Next Scheduled Investigation 2028, 10yrs.
			OTHER	0.025						0.000	
			TOTAL	0.025	0.000	0.000	0.000	0.000	0.000	0.000	
B0002 2007	Preventive Maintenance	**Bear Mountain - Maintenance Painting** Spot clean and overcoat towers and stiffening truss	CONST					10.000		10.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	10.000	0.000	10.000	
B0003 2007 2019	Extra Maintenance	**Bear Mountain - Main Cable Safety Handrope and Suspender replacement in 2028** Remove and replace main cable safety handrope $2mil Remove and replace main cable suspenders $5mil	CONST							0.000	Hand rope moved from 2022 to 2028 combine with suspender rope replacement
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
B0006 2017	Preventive Maintenance	**Bear Mountain - Approach Paving** Deck Repairs, mill, new overlay and pavement markings Approach Rehab 2022	CONST		3.000		0.500				
			OTHER								
			TOTAL	0.000	3.000	0.000	0.500	0.000	0.000	0.000	
			CONST								
			OTHER								
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Bear Mountain Annual Totals:		$0.025	$3.000	$0.000	$0.500	$10.000	$0.000	$13.500	**<< 2020-2024 Total**

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
W0001 2010	Investigation	**WOTH, Bridge Inspection** Performed detailed inspection of the bridge structure with hands-on inspection of fracture critical members, 5 year cycle, 2010, 2015, 2020 and 2025, etc. 2017 - Underwater inspection to be included with Authority's current 5 yr cycle, see S0002.	CONST							0.000	M&M; WOTH Bridge Inspection 105.1 ES 2025 - $0.500 Biennial Inspection
			OTHER		0.400					0.400	
			TOTAL	0.000	0.400	0.000	0.000	0.000	0.000	0.400	
W0006 2011	Preventative Maintenance	**WOTH, Steel Repairs and Misc. Painting** 2018 priority steel repairs . Misc. cleaning and painting approach tower lower base steel.	CONST	1.506					2.600	2.600	Postponed Painting from 2021 to 2024: Revised program 2024: $35 mil total $10 mil 2024; $10 mil 2025; $10 mil 2026; include $2.6 mil for additional steel repairs 2024
			OTHER	0.058						0.000	
			TOTAL	1.564	0.000	0.000	0.000	0.000	2.600	2.600	
W0007 2011	Preventive Maintenance	**WOTH - River Pier Base Repairs** 1) 2017 Under water pier inspection 2) Concrete pier base repairs pending inspection findings combine with S0005 -Sys pier base repairs	CONST		0.300					0.300	
			OTHER							0.000	
			TOTAL	0.000	0.300	0.000	0.000	0.000	0.000	0.300	
			CONST							0.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
			CONST							0.000	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		WOTH Annual Totals:		$1.564	$0.700	$0.000	$0.000	$0.000	$2.600	$3.300	**<< 2020-2024 Total**

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	Program Years 2020	2021	2022	2023	2024	TOTAL	Remarks
S0001	Investigation	**BA2017-RE-103: General Consultant and Inspections** Annual detailed inspection of each bridge facility with hands on inspection of all fracture critical members. Odd year biennial inspection: KRB & NBB (N&S spans) Even year biennial inspection: RVWB, MHB & BMB	INSP	0.600	0.650	0.700	0.750	0.800	0.800	3.700	NYSBA - Biennial Inspection support, Authority personnel and equipment, UB 60 & 30.
			NYSBA	0.090	0.090	0.090	0.090	0.090	0.090	0.450	Biennial Consultants: 2017 - 2022 Modjeski & Masters, Inc. ATANE, formerly HAKS Engineering WSP Engineering
			TOTAL	0.690	0.740	0.790	0.840	0.890	0.890	4.150	
S0002 2007	Investigation	**Periodic Underwater Bridge Inspections** Diver hands-on inspection and video tape inspections of all Authority in-water piers below the water surface. Work include observation and recommendation by professional engineers, 5 yr. cycle.	INSP				0.150			0.150	
			OTHER							0.000	
			TOTAL	0.000	0.000	0.000	0.150	0.000	0.000	0.150	
S0003	Extra Maintenance	**BA20XX-RE-10X: In-House Capital Projects** In-House construction activities	CONST	1.000	1.000	1.000	1.000	1.000	1.000	5.000	
			ENGR	0.310	0.310	0.310	0.310	0.310	0.310	1.550	
			TOTAL	1.310	1.310	1.310	1.310	1.310	1.310	6.550	
S0004	Extra Maintenance	**BA2016-RE-101: Capital Maintenance Projects** Standby readiness contract for urgent bridge and highway repairs.	CONST	0.500	0.500	0.500	0.500	0.500	0.250	2.250	Reduce 2024, NBB N. Span Deck completed
			OTHER							0.000	
			TOTAL	0.500	0.500	0.500	0.500	0.500	0.250	2.250	
S0005 2008	Preventive Maintenance	**Systemwide, River Pier Base Repairs** Masonry pier pointing, concrete repairs and rip-rap placement as recommended from underwater and visual inspections.	CONST		0.750					0.750	NBB $0.500 KRB $0.250
			OTHER							0.000	
			TOTAL	0.000	0.750	0.000	0.000	0.000	0.000	0.750	

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Engineering

Project I.D.	Project Type	Project Title/Description	Phase	2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
S0006 2008	Preventive Maintenance	**Systemwide, Substructure Repairs (Land Piers)** Partial depth concrete repairs and sealing	CONST		0.500					0.500	Deferred from 2019 - 2020 BMB $0.200 MHB $0.100 KRB $0.200
			OTHER							0.000	
			TOTAL	0.000	0.500	0.000	0.000	0.000	0.000	0.500	
S0007	Equipment	**Systemwide, Equipment Purchases** Acquisition of major extraordinary vehicles and equipment necessary to operate and maintain the bridge system.	CONST							0.000	2021 - Re-build 2009 UB, 12 year cycle.
			OTHER	0.500	0.400	1.050	0.400	0.400	0.500	2.750	
			TOTAL	0.500	0.400	1.050	0.400	0.400	0.500	2.750	
Systemwide (Engineering) Annual Totals:				$3.000	$4.200	$3.650	$3.200	$3.100	$2.950	$17.100	**<< 2020-2024 Total**

NEW YORK STATE OF OPPORTUNITY | Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

IT

Project I.D.	Project Type	Project Title/Description		2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
SI-0001	IT	**Systemwide - Office Equipment Purchases, Copier, Printers, plotter, ID card system**	Budget	0.035	0.035					0.035	Ops Copier
SI-0002	IT	**Systemwide - PC Upgrade (System Hardware)**	Budget	0.040	0.033	0.028	0.031	0.032	0.033	0.157	
SI-0003	IT	**Mid-Hudson - Necklace Lights**	Budget	0.005	0.600	0.005	0.005	0.005	0.005	0.620	Rehab aging necklace lights installed in 2001; Replace lens, power supply, gaskets, etc.
SI-0005	IT	**Systemwide - Card Access / FOB**	Budget	0.015	0.015	0.015	0.015	0.015	0.015	0.075	
SI-0010	IT	**ITS Components - Multiplexer, cabinet, UPS**	Budget	0.015	0.015	0.015	0.015	0.015	0.015	0.075	
SI-0013	IT	**Windows File server(s) and Web Filter**	Budget	0.165	0.150	0.163	0.151	0.091	0.110	0.665	
SI-0015	IT	**Data Cabling**	Budget	0.035	0.035	0.035	0.035	0.035	0.035	0.175	
SI-0023	IT	**Firewall/Virtual Private Network (VPN)**	Budget	0.050	0.050	0.065				0.115	2020 - Ironport email filter-replacement 2020 - NBB Redundant Internet Connection 2021 - Firewall Replacement
SI-0026	IT	**Systemwide - Radios**	Budget							0.000	
SI-0029	IT	**Systemwide -Backup**	Budget	0.055		0.055			0.065	0.120	
SI-0030	IT	**Systemwide - Internet Re-design**	Budget	0.012	0.015					0.015	
SI -0032	IT	**Systemwide - Alarm**	Budget	0.005	0.100	0.005	0.005	0.005	0.010	0.125	2020 CC Alarm Assessment / Re-Design
SI-0035	IT	**Routers and Switches**	Budget	0.008		0.100				0.100	
SI-0036	IT	**Mid-Hudson - Command Center, ITS Equip.**	Budget	0.225	0.100	0.100	0.100	0.100	0.250	0.650	Video Wall Replacement
		Systemwide (IT Dept.) Annual Totals:		$0.665	$1.148	$0.586	$0.357	$0.298	$0.538	$2.927	**<< 2020-2024 Total**

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Administration

Project I.D.	Project Type	Project Title/Description		2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
SA-0001	Admin	**Equipment Purchases, Administration**	Budget	0.020	0.020	0.020	0.020	0.020	0.025	0.105	Misc Equipment: printers, Id badges, etc.
SA-0002	Admin	**Business Application Enhancement**	Budget	0.020	0.100	0.050	0.020	0.020	0.025	0.215	JDE Version upgrade 2020 Possible Kronos Software Upgrade 2020 I-Series Hardware upgrade 2021
SA-0003	Admin	**Office furnishing improvements, Hdq & Ops.**	Budget	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
SA-0004	Admin	**HR Workflow Solution and Document Imaging**	Budget	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Systemwide (Administration) Annual Totals:		$0.040	$0.120	$0.070	$0.040	$0.040	$0.050	$0.320	**<< 2020-2024 Total**

NEW YORK STATE OF OPPORTUNITY. Bridge Authority

New York State Bridge Authority
Capital Improvement Program
2020 - 2024
($ 000,000's)

Operations

September 10, 2019
Page 12 - SYS

Project I.D.	Project Type	Project Title/Description		2019	2020	2021	2022	2023	2024	TOTAL	Remarks
					Program Years						
SO-0001	OPS	**E-Z PASS - Cashless Tolling Study**	Budget	0.010	0.490					0.490	Conduct Study
SO-0003	OPS	**All Electronic Tolling (AET), Plaza Removal**	Budget		7.000	5.000	5.000			17.000	
SO-0004	OPS	**Toll System Upgrade / Toll Gates / Lane Monitors / Antenna replacement and Security Gates**	Budget	0.100	0.100	0.100	0.100	0.100	0.100	0.500	Replace Toll Gates & Monitors Security Gates
SO-0007	OPS	**Lane Use Signals, Replacement**	Budget	0.025	0.025	0.025	0.025	0.025	0.025	0.125	
SO-0008	OPS	**Plaza & Central Server Upgrades**	Budget	0.015	0.015	0.015	0.015	0.015	0.015	0.075	
SO-0011	OPS	**UPS (Un-interruptible Power System)**	Budget	0.010	0.100	0.010	0.010	0.010	0.010	0.140	
SO-0012	OPS	**Suicide Call Boxes - Upgrade / Replacement**	Budget	0.005	0.005	0.005	0.005	0.005	0.010	0.030	
SO-0018	OPS	**Toll System Replacement**	Budget		5.000	5.000				10.000	
SO-0030	OPS	**Security Camera Replacement / Upgrade**	Budget	0.210	0.800	0.800				1.600	Sidewalk Detection - BMB Pilot 2020 Sidewalk Detection - Complete Project 2021
SO-0031	OPS	**Security Enhancement/Hardening - Perimeter Fencing**	Budget							0.000	
SO-0033	OPS	**Systemwide - EJ Ward (Fuel Dispensing Upgrade)**	Budget	0.015	0.015	0.015	0.015	0.015	0.015	0.075	
SO-0034	OPS	**Systemwide Cameras Replacements**	Budget	0.200	0.200	0.200	0.200	0.200	0.200	1.000	
SO-0035	OPS	**ITS Consultant - Kapsch, Inc**	Budget	0.125	0.125	0.125	0.125	0.125	0.125	0.625	
SO-0036	OPS	**National Interoperability (NICOP) Protocol** New tolling protocol will facilitate seamless travel across North America's tolling facility via multi-protocol reader.	Budget				0.500			0.500	2021 - Multi Protocol Reader
SO-0037	OPS	**NBB (N&S) - Fiber Optic Replacement** North America's tolling facility via multi-protocol reader.	Budget	1.000						0.000	Kapsch
SO-0038	OPS	**VMS Upgrade - Systemwide**	Budget	0.015	0.400	0.600				1.000	Dynac - 2020 Server and Version Upgrade 2021 - System Buildout
SO-0040	OPS	**Systemwide - LPR**	Budget	0.050	0.450					0.450	Replace and upgrade servers. Add additional server for redundancy. 2020 - Replace LPR Cameras and add capabilities
		Systemwide (Operations) Annual Totals:		1.780	14.725	11.895	5.995	0.495	0.500	33.610	**<< 2020-2024 Total**