

STATE OF NEW YORK  
OFFICE OF THE STATE COMPTROLLER

ANNUAL PUBLIC AUTHORITY  
BUDGET AND FINANCIAL PLAN REQUEST  
2017

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: November 17, 2016

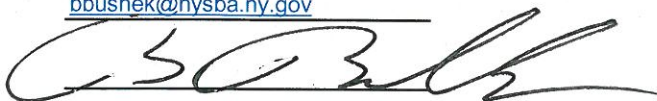
FISCAL YEAR START DATE: January 1

PREPARED BY: Brian Bushek

TITLE: Treasurer

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SIGNATURE: 

DATE: 9/15/16

**NEW YORK STATE BRIDGE AUTHORITY  
ANNUAL PUBLIC AUTHORITY  
BUDGET AND FINANCIAL PLAN  
2017 - 2020**

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 by cost center at 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 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 2015, \$56.7 million in tolls accounted for 98% of overall revenue, with interest on investments \$0.4 million, and \$0.7 million comprising the remaining income. On the expense side, salary and related fringe benefits of \$18.1 million equaled 24% of the \$75.2 million in total outlays. The \$36.6 million cost of rehabilitation, construction and bridge repairs was 48.7% of overall expenditures.

In 2016, toll revenues are projected to rise by 3.9% compared to 2015 primarily as a result of an increase in non-commuter passenger traffic and partially to the mild winter in 2016. Toll Revenues for the following four years are forecasted to remain stable.

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 0.1% and 1.0% depending on maturity. The Maintenance Reserve and Construction Funds are used to fund capital improvements. These disbursements decreased in 2015 then are projected to decrease further in 2016 and increase 2017 as the redecking work at Newburgh-Beacon Bridge completed during 2015 and new projects begin in 2017. Investment income is expected to remain relatively stable based on availability of funds to invest and prevailing interest rates that to remain relatively low.

Operating expenses are projected to rise \$3.5 million in 2016 over prior year, or 12% associated with the increases in personnel related costs, workers compensation insurance, electronic toll costs, and depreciation. Salary expenses increase \$0.9 million in 2016 due to contractually obligated salary increases and the net addition of six full time staff throughout the Authority. Employee Retirement increases due to both GASB 68 and an increase in the anticipate annual payment to the retirement system. Employee Health Insurance is expected to increase \$0.6 million as the Authority continues to see more staff retire utilizing retiree medical. Social Security increases \$0.1 million associated with the increases in salaries. Maintenance and repairs increases \$0.3 million from anticipated higher costs for maintenance on security equipment, HVAC repairs, and toll equipment repairs. Electronic toll costs are expected to increase \$0.2 million from greater utilization of E-ZPass. The Authority anticipates all electronic tolling implementation costs, projected to begin in 2020 as part of capital outlays. Although associated revenue loss from uncollected tolls, incremental operational costs and savings are not included in projections as the Authority analyzes the projected impact of AET, meaningful savings are expected in the area of staffing for toll collection related to this initiative once implemented.

The Authority currently maintains a staff of 131 full time and 64 part time employees. All but 24 management/confidential employees are represented by the CSEA. The Authority settled a contract with CSEA during 2014 covering the period April 1, 2012 through March 31, 2017. The contract provides for the following pay increases, excluding step and longevity increases, for the contract year beginning in April: 2012 0%, 2013 0%, 2014 2.75%, 2015 2.75%, and 2016 2.5%. Total payroll is forecasted to increase at an average rate of 3% as the Authority will begin contract negotiations for the next contract.

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.

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 Statement 45 (GASB 45) as of December 31, 2015. These costs, currently \$2.4 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, 2015, the Authority was in compliance with GASB 68. For 2016 the Authority has budgeted an actuary computed expense of \$0.5 million for retirement over and above the expected payment to NYS & Local Retirement system. Significant changes in the value of retirement assets and or actuary computed liabilities from the New York State and Local Retirement System 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 2017 - 2020.

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 2016 budget increases the previous projection for toll revenue by \$2.6 million. Tolls, which were forecasted to fall 0.6% over 2015, are now projected to increase 3.9%. The revenue increase is a result of stronger than forecasted traffic and revenue that picked up in the fourth quarter of 2014 and continued through 2016. Expected interest income will rise to \$375 due to higher interest rates and increased funds available to invest.

Overall Operating Expenses are expected to decrease \$0.5 million or approximately 1.5% from the budget developed in 2015, an increase of \$3.5 million from the prior year end. The variances to budget include: a reduction in salaries associated with cost containment initiatives implemented during 2015, reduction in maintenance and repairs associated with the mild winter of 2016, a reduction in intergovernmental charges associated with fewer fees assessed from the state, and an increase in retirement expenses associated with GASB 68.

Nonoperating Expenses varied from the original budget for the capital program and interest expense. The capital program is now projected to cost \$3.0 million lower than the original projection primarily from two projects. Work commenced later than expected at Rip Van Winkle Bridge on the railing project and will extend into 2017 and road work was deferred at Kingston-Rhinecliff after inspection by the consulting engineer. Interest expense is lower by \$2.4 million as changed from prior years the Authority has begun reflecting the amortization of premiums on bonds for both the 2011 and 2012 series when historically only reporting in the budget debt service.

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 decline. As the use of E-Zpass increases, the need for the manning of toll booths decreases and eventually there will be a significant reduction in toll collection positions when the Authority completely installs all electronic tolling. Employee salaries are funded from toll revenues. There are 131 full time employees classified as follows:

Toll Collectors - 30  
Laborers - 53  
Clerical - 24  
Management - 24

There are 64 part time employees classified as follows:

Toll Collectors - 57  
Laborers - 5  
Management - 2

The 64 part time collectors currently work hours equivalent to 38 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.

In 2015, the Authority operated automated machines to perform toll collection over night at all three small bridges ahead of all electronic tolling. The Authority in 2015 adjusted staffing levels to reflect traffic converging to E-Zpass. These projects, along with a revised toll schedule from 2012 that incentivizes the use of E-ZPass, have reduced the need to man toll booths as the toll industry moves toward all electronic tolling. Although all electronic tolling is not considered in the 2017-2020 Operating Budget the Authority does consider incremental opportunities to increase E-Zpass utilization that will facilitate the migration to all electronic tolling.

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  
2017 - 2020  
(\$000's)

|                                         | Last Year<br>(Actual)<br>2015 | Current Year<br>(Estimated)<br>2016 | Next Year<br>(Adopted Budget)<br>2017 | Proposed Budget<br>2018 | Proposed Budget<br>2019 | Proposed Budget<br>2020 |
|-----------------------------------------|-------------------------------|-------------------------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|
| <b>REVENUE:</b>                         |                               |                                     |                                       |                         |                         |                         |
| <i>TOLL REVENUE</i>                     |                               |                                     |                                       |                         |                         |                         |
| RIP VAN WINKLE BRIDGE                   | 4,748                         | 4,900                               | 4,900                                 | 4,900                   | 4,900                   | 6,000                   |
| KINGSTON-RHINECLIFF BRIDGE              | 6,035                         | 6,200                               | 6,200                                 | 6,200                   | 6,200                   | 7,600                   |
| MID-HUDSON BRIDGE                       | 10,737                        | 11,100                              | 11,100                                | 11,100                  | 11,100                  | 13,500                  |
| NEWBURGH-BEACON BRIDGE                  | 29,752                        | 31,000                              | 31,000                                | 31,000                  | 31,000                  | 37,800                  |
| BEAR MOUNTAIN BRIDGE                    | 5,393                         | 5,700                               | 5,700                                 | 5,700                   | 5,700                   | 6,900                   |
| <b>TOTAL TOLL REVENUE</b>               | <b>56,665</b>                 | <b>58,900</b>                       | <b>58,900</b>                         | <b>58,900</b>           | <b>58,900</b>           | <b>71,800</b>           |
| FEDERAL AND STATE GRANTS                |                               |                                     |                                       |                         |                         |                         |
| INTEREST INCOME                         | 72                            | 0                                   | 0                                     | 0                       | 0                       | 0                       |
| MISCELLANEOUS INCOME                    | 446                           | 375                                 | 350                                   | 350                     | 350                     | 400                     |
| PROCEEDS FROM ISSUANCE OF DEBT          | 630                           | 585                                 | 550                                   | 550                     | 550                     | 550                     |
| <b>TOTAL REVENUE</b>                    | <b>57,813</b>                 | <b>59,860</b>                       | <b>59,800</b>                         | <b>59,800</b>           | <b>59,800</b>           | <b>72,750</b>           |
| <b>OPERATING EXPENSE:</b>               |                               |                                     |                                       |                         |                         |                         |
| <i>ADMINISTRATION EXPENSE</i>           |                               |                                     |                                       |                         |                         |                         |
| SALARIES                                | 2,132                         | 2,241                               | 2,448                                 | 2,521                   | 2,597                   | 2,675                   |
| EMPLOYEE RETIREMENT                     | 303                           | 482                                 | 362                                   | 376                     | 392                     | 407                     |
| SOCIAL SECURITY                         | 159                           | 172                                 | 188                                   | 194                     | 199                     | 205                     |
| EMPLOYEE HEALTH INSURANCE               | 924                           | 1,039                               | 1,136                                 | 1,181                   | 1,229                   | 1,278                   |
| EMPLOYEE DENTAL & VISION CARE INSURANCE | 35                            | 34                                  | 35                                    | 36                      | 38                      | 39                      |
| UNEMPLOYMENT                            | 3                             | 3                                   | 0                                     | 0                       | 0                       | 0                       |
| DISABILITY INSURANCE                    | 2                             | 2                                   | 2                                     | 2                       | 2                       | 2                       |
| SURVIVORS' BENEFITS                     | 0                             | 7                                   | 7                                     | 7                       | 8                       | 8                       |
| COMMUNICATIONS                          | 48                            | 58                                  | 78                                    | 81                      | 84                      | 88                      |
| UTILITIES                               | 142                           | 151                                 | 158                                   | 164                     | 171                     | 178                     |
| WORKERS' COMPENSATION INSURANCE         | 4                             | 5                                   | 5                                     | 5                       | 5                       | 6                       |
| COMMERCIAL INSURANCE                    | 1,229                         | 1,353                               | 1,450                                 | 1,508                   | 1,568                   | 1,631                   |
| PROFESSIONAL SERVICES                   | 341                           | 409                                 | 452                                   | 470                     | 489                     | 508                     |
| SUPPLIES AND MATERIALS                  | 29                            | 50                                  | 52                                    | 54                      | 56                      | 58                      |
| MAINTENANCE AND REPAIRS                 | 27                            | 55                                  | 52                                    | 54                      | 56                      | 58                      |
| INTERGOVERNMENTAL SERVICES ASSESSMENT   | 397                           | 399                                 | 455                                   | 473                     | 492                     | 512                     |
| EQUIPMENT                               | 5                             | 22                                  | 23                                    | 24                      | 25                      | 26                      |
| OTHER EXPENSES                          | 67                            | 153                                 | 149                                   | 155                     | 161                     | 168                     |
| <b>TOTAL ADMINISTRATION EXPENSE</b>     | <b>5,847</b>                  | <b>6,635</b>                        | <b>7,052</b>                          | <b>7,308</b>            | <b>7,773</b>            | <b>7,848</b>            |

|                                         | Last Year<br>(Actual)<br>2015 | Current Year<br>(Estimated)<br>2016 | Next Year<br>(Adopted Budget)<br>2017 | Proposed Budget<br>2018 | Proposed Budget<br>2019 | Proposed Budget<br>2020 |
|-----------------------------------------|-------------------------------|-------------------------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|
| <b>OPERATIONS EXPENSE</b>               |                               |                                     |                                       |                         |                         |                         |
| SALARIES                                | 5,341                         | 5,722                               | 6,087                                 | 6,270                   | 6,458                   | 6,651                   |
| EMPLOYEE RETIREMENT                     | 714                           | 987                                 | 813                                   | 846                     | 879                     | 915                     |
| SOCIAL SECURITY                         | 396                           | 448                                 | 466                                   | 480                     | 494                     | 509                     |
| EMPLOYEE HEALTH INSURANCE               | 2,027                         | 2,344                               | 2,534                                 | 2,635                   | 2,741                   | 2,850                   |
| EMPLOYEE DENTAL & VISION CARE INSURANCE | 109                           | 85                                  | 87                                    | 90                      | 94                      | 98                      |
| UNEMPLOYMENT                            | 0                             | 12                                  | 15                                    | 16                      | 16                      | 17                      |
| DISABILITY INSURANCE                    | 11                            | 11                                  | 11                                    | 11                      | 12                      | 12                      |
| SURVIVORS' BENEFITS                     | 0                             | 7                                   | 7                                     | 7                       | 8                       | 8                       |
| COMMUNICATIONS                          | 134                           | 175                                 | 196                                   | 204                     | 212                     | 220                     |
| UTILITIES                               | 105                           | 139                                 | 138                                   | 144                     | 149                     | 155                     |
| WORKERS' COMPENSATION INSURANCE         | 83                            | 147                                 | 147                                   | 153                     | 159                     | 165                     |
| PROFESSIONAL SERVICES                   | 39                            | 61                                  | 61                                    | 63                      | 66                      | 69                      |
| SUPPLIES AND MATERIALS                  | 121                           | 145                                 | 147                                   | 153                     | 159                     | 165                     |
| MAINTENANCE AND REPAIRS                 | 370                           | 547                                 | 610                                   | 634                     | 660                     | 686                     |
| ELECTRONIC TOLL COSTS                   | 4,095                         | 4,282                               | 4,434                                 | 4,611                   | 4,796                   | 4,988                   |
| EQUIPMENT                               | 87                            | 152                                 | 221                                   | 230                     | 239                     | 249                     |
| OTHER EXPENSES                          | 84                            | 100                                 | 101                                   | 105                     | 109                     | 114                     |
| <b>TOTAL OPERATIONS EXPENSE</b>         | <b>13,716</b>                 | <b>15,364</b>                       | <b>16,075</b>                         | <b>16,652</b>           | <b>17,251</b>           | <b>17,872</b>           |

|                                                  |               |               |               |               |               |               |
|--------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>ENGINEERING AND MAINTENANCE EXPENSE</b>       |               |               |               |               |               |               |
| SALARIES                                         | 2,863         | 3,298         | 3,503         | 3,608         | 3,716         | 3,828         |
| EMPLOYEE RETIREMENT                              | 427           | 663           | 554           | 576           | 599           | 623           |
| SOCIAL SECURITY                                  | 275           | 322           | 336           | 346           | 356           | 367           |
| EMPLOYEE HEALTH INSURANCE                        | 2,223         | 2,397         | 2,597         | 2,701         | 2,809         | 2,921         |
| EMPLOYEE DENTAL & VISION CARE INSURANCE          | 105           | 96            | 99            | 103           | 107           | 111           |
| UNEMPLOYMENT                                     | 4             | 6             | 6             | 6             | 6             | 7             |
| DISABILITY INSURANCE                             | 6             | 7             | 7             | 7             | 8             | 8             |
| SURVIVORS' BENEFITS                              | 0             | 7             | 7             | 7             | 8             | 8             |
| COMMUNICATIONS                                   | 17            | 19            | 28            | 29            | 30            | 31            |
| UTILITIES                                        | 218           | 311           | 344           | 358           | 372           | 387           |
| WORKERS' COMPENSATION INSURANCE                  | 262           | 385           | 385           | 400           | 416           | 433           |
| PROFESSIONAL SERVICES                            | 295           | 353           | 291           | 303           | 315           | 327           |
| SUPPLIES AND MATERIALS                           | 91            | 125           | 117           | 122           | 127           | 132           |
| MAINTENANCE AND REPAIRS                          | 329           | 387           | 461           | 479           | 499           | 519           |
| EQUIPMENT                                        | 39            | 50            | 43            | 45            | 47            | 48            |
| OTHER EXPENSES                                   | 49            | 67            | 68            | 71            | 74            | 76            |
| <b>TOTAL ENGINEERING AND MAINTENANCE EXPENSE</b> | <b>7,203</b>  | <b>8,493</b>  | <b>8,846</b>  | <b>9,161</b>  | <b>9,488</b>  | <b>9,827</b>  |
| <b>DEPRECIATION ON BUILDINGS/EQUIPMENT</b>       | <b>2,491</b>  | <b>2,279</b>  | <b>2,476</b>  | <b>2,400</b>  | <b>2,400</b>  | <b>2,400</b>  |
| <b>TOTAL OPERATING EXPENSE</b>                   | <b>29,257</b> | <b>32,771</b> | <b>34,449</b> | <b>35,522</b> | <b>36,912</b> | <b>37,947</b> |

| NONOPERATING (REVENUE) EXPENSE                           | Last Year<br>(Actual)<br>2015 | Current Year<br>(Estimated)<br>2016 | Next Year<br>(Adopted Budget)<br>2017 | Proposed Budget<br>2018 | Proposed Budget<br>2019 | Proposed Budget<br>2020 |
|----------------------------------------------------------|-------------------------------|-------------------------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|
|                                                          |                               |                                     |                                       |                         |                         |                         |
| PRINCIPAL ON 1997, 2002, 2011, AND 2012 BONDS            | 6,580                         | 6,845                               | 7,135                                 | 7,450                   | 7,745                   | 8,055                   |
| INTEREST ON 1997, 2002, 2011 AND 2012 BONDS              | 2,723                         | 2,007                               | 2,928                                 | 2,630                   | 2,321                   | 1,998                   |
| CAPITAL PLAN OUTLAYS                                     | 36,635                        | 11,651                              | 35,210                                | 18,853                  | 12,625                  | 23,641                  |
| <b>TOTAL NONOPERATING EXPENSES</b>                       | <b>45,938</b>                 | <b>20,503</b>                       | <b>45,273</b>                         | <b>28,933</b>           | <b>22,691</b>           | <b>33,694</b>           |
| <b>TOTAL EXPENSES</b>                                    | <b>75,195</b>                 | <b>53,274</b>                       | <b>79,722</b>                         | <b>64,455</b>           | <b>59,603</b>           | <b>71,641</b>           |
| <b>EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES</b> | <b>(17,382)</b>               | <b>6,586</b>                        | <b>(19,922)</b>                       | <b>(4,655)</b>          | <b>197</b>              | <b>1,109</b>            |

**NEW YORK STATE BRIDGE AUTHORITY  
BUDGET AND FINANCIAL PLAN SUMMARY FILE  
2017 - 2020**

**BUDGETED REVENUES, EXPENDITURES, AND CHANGES IN CURRENT NET ASSETS  
(\$000's)**

|                                                                             | <b>Last Year<br/>(Actual)<br/>2015</b> | <b>Current Year<br/>(Estimated)<br/>2016</b> | <b>Next Year<br/>(Adopted)<br/>2017</b> | <b>Proposed<br/>2018</b> | <b>Proposed<br/>2019</b> | <b>Proposed<br/>2020</b> |
|-----------------------------------------------------------------------------|----------------------------------------|----------------------------------------------|-----------------------------------------|--------------------------|--------------------------|--------------------------|
| <b><u>REVENUE &amp; FINANCING SOURCES</u></b>                               |                                        |                                              |                                         |                          |                          |                          |
| <b>Operating Revenues</b>                                                   |                                        |                                              |                                         |                          |                          |                          |
| Charges for services                                                        | 56,665                                 | 58,900                                       | 58,900                                  | 58,900                   | 58,900                   | 71,800                   |
| Rental & financing income                                                   | 0                                      | 0                                            | 0                                       | 0                        | 0                        | 0                        |
| Other operating revenues                                                    | 630                                    | 585                                          | 550                                     | 550                      | 550                      | 550                      |
| <b>Nonoperating Revenues</b>                                                |                                        |                                              |                                         |                          |                          |                          |
| Investment earnings                                                         | 446                                    | 375                                          | 350                                     | 350                      | 350                      | 400                      |
| State subsidies/grants                                                      | 0                                      | 0                                            | 0                                       | 0                        | 0                        | 0                        |
| Federal subsidies/grants                                                    | 72                                     | 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                        |
| <b>Proceeds from the issuance of debt</b>                                   | <b>0</b>                               | <b>0</b>                                     |                                         |                          | <b>0</b>                 | <b>0</b>                 |
| <b>Total Revenues &amp; Financing Sources</b>                               | <b>57,813</b>                          | <b>59,860</b>                                | <b>59,800</b>                           | <b>59,800</b>            | <b>59,800</b>            | <b>72,750</b>            |
| <b><u>EXPENDITURES</u></b>                                                  |                                        |                                              |                                         |                          |                          |                          |
| <b>Operating Expenditures</b>                                               |                                        |                                              |                                         |                          |                          |                          |
| Salaries and wages                                                          | 10,336                                 | 11,261                                       | 12,038                                  | 12,399                   | 12,771                   | 13,154                   |
| Other employee benefits                                                     | 7,723                                  | 9,131                                        | 9,269                                   | 9,630                    | 10,005                   | 10,395                   |
| Professional services contracts                                             | 675                                    | 823                                          | 804                                     | 836                      | 1,070                    | 904                      |
| Supplies and materials                                                      | 241                                    | 320                                          | 316                                     | 329                      | 342                      | 355                      |
| Other operating expenditures                                                | 10,282                                 | 11,236                                       | 12,022                                  | 12,328                   | 12,725                   | 13,138                   |
| <b>Nonoperating Expenditures</b>                                            |                                        |                                              |                                         |                          |                          |                          |
| Payment of principal on bonds and financing arrangements                    | 6,580                                  | 6,845                                        | 7,135                                   | 7,450                    | 7,745                    | 8,055                    |
| Interest and other financing charges                                        | 2,723                                  | 2,007                                        | 2,928                                   | 2,630                    | 2,321                    | 1,998                    |
| Subsidies to other public authorities                                       | 0                                      | 0                                            | 0                                       | 0                        | 0                        | 0                        |
| Capital asset outlay                                                        | 36,635                                 | 11,651                                       | 35,210                                  | 18,853                   | 12,625                   | 23,641                   |
| Grants and donations                                                        | 0                                      | 0                                            | 0                                       | 0                        | 0                        | 0                        |
| Other nonoperating expenditures                                             |                                        |                                              |                                         |                          |                          |                          |
| <b>Total Expenditures</b>                                                   | <b>75,195</b>                          | <b>53,274</b>                                | <b>79,722</b>                           | <b>64,455</b>            | <b>59,603</b>            | <b>71,641</b>            |
| <b><u>CAPITAL CONTRIBUTIONS</u></b>                                         |                                        |                                              |                                         |                          |                          |                          |
| Excess (deficiency) of revenues and capital contributions over expenditures | (17,382)                               | 6,586                                        | (19,922)                                | (4,655)                  | 197                      | 1,109                    |

NEW YORK STATE BRIDGE AUTHORITY  
Budget & Financial Plan

2017 - 2020

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

|                                                  | Last Year<br>(Actual)<br>2015 | Current Year<br>(Estimated)<br>2016 | Next Year<br>(Adopted Budget)<br>2017 | Proposed Budget<br>2018 | Proposed Budget<br>2019 | Proposed Budget<br>2020 |
|--------------------------------------------------|-------------------------------|-------------------------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|
| <b>ASSETS</b>                                    |                               |                                     |                                       |                         |                         |                         |
| Current Assets:                                  |                               |                                     |                                       |                         |                         |                         |
| Cash and cash equivalents                        | 11,507                        | 13,000                              | 13,000                                | 13,000                  | 13,000                  | 13,000                  |
| Investments                                      | 0                             | 0                                   | 0                                     | 0                       | 0                       | 0                       |
| Receivables, net                                 | 1,884                         | 1,900                               | 1,900                                 | 1,900                   | 1,900                   | 1,900                   |
| Other assets                                     | 1,442                         | 1,800                               | 1,800                                 | 1,800                   | 1,800                   | 1,800                   |
| Restricted cash, investments and capital funds   | 58,232                        | 63,900                              | 44,000                                | 39,000                  | 39,000                  | 40,000                  |
| <b>TOTAL CURRENT ASSETS</b>                      | <b>73,065</b>                 | <b>80,600</b>                       | <b>60,700</b>                         | <b>55,700</b>           | <b>55,700</b>           | <b>56,700</b>           |
| <b>LIABILITIES</b>                               |                               |                                     |                                       |                         |                         |                         |
| Current Liabilities:                             |                               |                                     |                                       |                         |                         |                         |
| Accounts payable                                 | 2,471                         | 2,000                               | 2,000                                 | 2,000                   | 2,000                   | 2,000                   |
| Accrued liabilities                              | 5,407                         | 5,500                               | 5,500                                 | 5,500                   | 5,500                   | 5,500                   |
| Pension contribution payable                     | 0                             | 0                                   | 0                                     | 0                       | 0                       | 0                       |
| Deferred revenues                                | 437                           | 544                                 | 492                                   | 441                     | 389                     | 337                     |
| Bond anticipation notes payable                  | 0                             | 0                                   | 0                                     | 0                       | 0                       | 0                       |
| Long-term debt due within one year               | 8,985                         | 6,845                               | 7,135                                 | 7,450                   | 7,745                   | 8,055                   |
| <b>TOTAL CURRENT LIABILITIES</b>                 | <b>17,300</b>                 | <b>14,889</b>                       | <b>15,127</b>                         | <b>15,391</b>           | <b>15,634</b>           | <b>15,892</b>           |
| <b>NET CURRENT ASSETS (DEFICIT)</b>              |                               |                                     |                                       |                         |                         |                         |
| Net Current Assets:                              |                               |                                     |                                       |                         |                         |                         |
| Restricted                                       | 58,232                        | 63,900                              | 44,000                                | 39,000                  | 39,000                  | 40,000                  |
| Unrestricted                                     | 14,833                        | 16,700                              | 16,700                                | 16,700                  | 16,700                  | 16,700                  |
| <b>CURRENT ASSETS NET OF CURRENT LIABILITIES</b> | <b>55,765</b>                 | <b>65,711</b>                       | <b>45,573</b>                         | <b>40,309</b>           | <b>40,066</b>           | <b>40,808</b>           |

**NEW YORK STATE BRIDGE AUTHORITY**  
**Revenues and Expenditures**  
**Actual Financial Performance 2015 and Change in Estimates**  
**for Previously Approved 2016 Budget**  
**(\$000's)**

|                                         | <b>Actual<br/>Financial<br/>Performance 2015</b> | <b>09/17/15<br/>Approved<br/>Budget 2016</b> | <b>09/15/16<br/>Revised<br/>Budget<br/>2016</b> | <b>Difference Between<br/>Approved and<br/>Revised Budget 2016</b> |
|-----------------------------------------|--------------------------------------------------|----------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------|
| <b>REVENUE:</b>                         |                                                  |                                              |                                                 |                                                                    |
| <i>TOLL REVENUE</i>                     |                                                  |                                              |                                                 |                                                                    |
| RIP VAN WINKLE BRIDGE                   | 4,748                                            | 4,700                                        | 4,900                                           | 200                                                                |
| KINGSTON-RHINECLIFF BRIDGE              | 6,035                                            | 6,000                                        | 6,200                                           | 200                                                                |
| MID-HUDSON BRIDGE                       | 10,737                                           | 10,600                                       | 11,100                                          | 500                                                                |
| NEWBURGH-BEACON BRIDGE                  | 29,752                                           | 29,800                                       | 31,000                                          | 1,200                                                              |
| BEAR MOUNTAIN BRIDGE                    | 5,393                                            | 5,200                                        | 5,700                                           | 500                                                                |
| <b>TOTAL TOLL REVENUE</b>               | <b>56,665</b>                                    | <b>56,300</b>                                | <b>58,900</b>                                   | <b>2,600</b>                                                       |
| FEDERAL AND STATE GRANTS                | 72                                               | 0                                            | 0                                               | -                                                                  |
| INTEREST INCOME                         | 446                                              | 300                                          | 375                                             | 75                                                                 |
| MISCELLANEOUS INCOME                    | 630                                              | 600                                          | 585                                             | (15)                                                               |
| <b>TOTAL REVENUE</b>                    | <b>57,813</b>                                    | <b>57,200</b>                                | <b>59,860</b>                                   | <b>2,660</b>                                                       |
| <b>OPERATING EXPENSE:</b>               |                                                  |                                              |                                                 |                                                                    |
| <u>ADMINISTRATION EXPENSE</u>           |                                                  |                                              |                                                 |                                                                    |
| SALARIES                                | 2,132                                            | 2,260                                        | 2,241                                           | (19)                                                               |
| EMPLOYEE RETIREMENT                     | 303                                              | 376                                          | 482                                             | 106                                                                |
| SOCIAL SECURITY                         | 159                                              | 181                                          | 172                                             | (9)                                                                |
| EMPLOYEE HEALTH INSURANCE               | 924                                              | 1,040                                        | 1039                                            | (1)                                                                |
| EMPLOYEE DENTAL & VISION CARE INSURANCE | 35                                               | 32                                           | 34                                              | 2                                                                  |
| UNEMPLOYMENT                            | 3                                                | 0                                            | 3                                               | 3                                                                  |
| DISABILITY INSURANCE                    | 2                                                | 2                                            | 2                                               | -                                                                  |
| SURVIVORS' BENEFITS                     | 0                                                | 7                                            | 7                                               | -                                                                  |
| COMMUNICATIONS                          | 48                                               | 54                                           | 58                                              | 4                                                                  |
| UTILITIES                               | 142                                              | 159                                          | 151                                             | (8)                                                                |
| WORKERS' COMPENSATION INSURANCE         | 4                                                | 5                                            | 5                                               | -                                                                  |
| COMMERCIAL INSURANCE                    | 1,229                                            | 1,377                                        | 1353                                            | (24)                                                               |
| PROFESSIONAL SERVICES                   | 341                                              | 366                                          | 409                                             | 43                                                                 |
| SUPPLIES AND MATERIALS                  | 29                                               | 52                                           | 50                                              | (2)                                                                |
| MAINTENANCE AND REPAIRS                 | 27                                               | 52                                           | 55                                              | 3                                                                  |
| INTERGOVERNMENTAL SERVICES ASSESSMENT   | 397                                              | 520                                          | 399                                             | (121)                                                              |
| EQUIPMENT                               | 5                                                | 23                                           | 22                                              | (1)                                                                |
| OTHER EXPENSES                          | 67                                               | 142                                          | 153                                             | 11                                                                 |
| <b>TOTAL ADMINISTRATION EXPENSE</b>     | <b>5,847</b>                                     | <b>6,648</b>                                 | <b>6,635</b>                                    | <b>(13)</b>                                                        |

|                                         | Actual<br>Financial<br>Performance 2015 | 09/17/15<br>Approved<br>Budget 2016 | Revised<br>Budget<br>2016 | Difference Between<br>Approved and<br>Revised Budget 2016 |
|-----------------------------------------|-----------------------------------------|-------------------------------------|---------------------------|-----------------------------------------------------------|
| <u>OPERATIONS EXPENSE</u>               |                                         |                                     |                           |                                                           |
| SALARIES                                | 5,341                                   | 6,010                               | 5,722                     | (288)                                                     |
| EMPLOYEE RETIREMENT                     | 714                                     | 876                                 | 987                       | 111                                                       |
| SOCIAL SECURITY                         | 396                                     | 474                                 | 448                       | (26)                                                      |
| EMPLOYEE HEALTH INSURANCE               | 2,027                                   | 2,346                               | 2,344                     | (2)                                                       |
| EMPLOYEE DENTAL & VISION CARE INSURANCE | 109                                     | 103                                 | 85                        | (18)                                                      |
| UNEMPLOYMENT                            | 0                                       | 15                                  | 12                        | (3)                                                       |
| DISABILITY INSURANCE                    | 11                                      | 12                                  | 11                        | (1)                                                       |
| SURVIVORS' BENEFITS                     | 0                                       | 7                                   | 7                         | -                                                         |
| COMMUNICATIONS                          | 134                                     | 168                                 | 175                       | 7                                                         |
| UTILITIES                               | 105                                     | 144                                 | 139                       | (5)                                                       |
| WORKERS' COMPENSATION INSURANCE         | 83                                      | 147                                 | 147                       | -                                                         |
| PROFESSIONAL SERVICES                   | 39                                      | 61                                  | 61                        | -                                                         |
| SUPPLIES AND MATERIALS                  | 121                                     | 131                                 | 145                       | 14                                                        |
| MAINTENANCE AND REPAIRS                 | 370                                     | 536                                 | 547                       | 11                                                        |
| ELECTRONIC TOLL COSTS                   | 4,095                                   | 4,240                               | 4,282                     | 42                                                        |
| EQUIPMENT                               | 87                                      | 136                                 | 152                       | 16                                                        |
| OTHER EXPENSES                          | 84                                      | 99                                  | 100                       | 1                                                         |
| <b>TOTAL OPERATIONS EXPENSE</b>         | <b>13,716</b>                           | <b>15,505</b>                       | <b>15,364</b>             | <b>(141)</b>                                              |

ENGINEERING AND MAINTENANCE EXPENSE

|                                                  |               |               |               |              |
|--------------------------------------------------|---------------|---------------|---------------|--------------|
| SALARIES                                         | 2,863         | 3,336         | 3,298         | (38)         |
| EMPLOYEE RETIREMENT                              | 427           | 573           | 663           | 90           |
| SOCIAL SECURITY                                  | 275           | 331           | 322           | (9)          |
| EMPLOYEE HEALTH INSURANCE                        | 2,223         | 2,439         | 2,397         | (42)         |
| EMPLOYEE DENTAL & VISION CARE INSURANCE          | 105           | 98            | 96            | (2)          |
| UNEMPLOYMENT                                     | 4             | 6             | 6             | -            |
| DISABILITY INSURANCE                             | 6             | 6             | 7             | 1            |
| SURVIVORS' BENEFITS                              | 0             | 7             | 7             | -            |
| COMMUNICATIONS                                   | 17            | 14            | 19            | 5            |
| UTILITIES                                        | 218           | 385           | 311           | (74)         |
| WORKERS' COMPENSATION INSURANCE                  | 262           | 385           | 385           | -            |
| PROFESSIONAL SERVICES                            | 295           | 352           | 353           | 1            |
| SUPPLIES AND MATERIALS                           | 91            | 110           | 125           | 15           |
| MAINTENANCE AND REPAIRS                          | 329           | 657           | 387           | (270)        |
| EQUIPMENT                                        | 39            | 21            | 50            | 29           |
| OTHER EXPENSES                                   | 49            | 70            | 67            | (3)          |
| <b>TOTAL ENGINEERING AND MAINTENANCE EXPENSE</b> | <b>7,203</b>  | <b>8,790</b>  | <b>8,493</b>  | <b>(297)</b> |
| <b>DEPRECIATION ON BUILDINGS/EQUIPMENT</b>       | <b>2,491</b>  | <b>2,343</b>  | <b>2,279</b>  | <b>(64)</b>  |
| <b>TOTAL OPERATING EXPENSE</b>                   | <b>29,257</b> | <b>33,286</b> | <b>32,771</b> | <b>(515)</b> |

|                                                 | Actual<br>Financial<br>Performance 2015 | 09/17/15<br>Approved<br>Budget 2016 | Revised<br>Budget<br>2016 | Difference Between<br>Approved and<br>Revised Budget 2016 |
|-------------------------------------------------|-----------------------------------------|-------------------------------------|---------------------------|-----------------------------------------------------------|
| <b><u>NONOPERATING EXPENSE</u></b>              |                                         |                                     |                           |                                                           |
| PRINCIPAL ON 1997, 2002, 2011, AND 2012 BONDS   | 6,580                                   | 6,845                               | 6,845                     | -                                                         |
| INTEREST ON 1997, 2002, 2011, AND 2012 BONDS    | 2,723                                   | 4,436                               | 2,007                     | (2,429)                                                   |
| CAPITAL PLAN OUTLAYS                            | 36,635                                  | 14,729                              | 11,651                    | (3,078)                                                   |
| <b>TOTAL NONOPERATING EXPENSES</b>              | <b>45,938</b>                           | <b>26,010</b>                       | <b>20,503</b>             | <b>(5,507)</b>                                            |
| <b>TOTAL EXPENSES</b>                           | <b>75,195</b>                           | <b>59,296</b>                       | <b>53,274</b>             | <b>(6,022)</b>                                            |
| <b>DEFICIENCY OF REVENUES OVER EXPENDITURES</b> | <b>(17,382)</b>                         | <b>(2,096)</b>                      | <b>6,586</b>              | <b>8,682</b>                                              |

**NEW YORK STATE BRIDGE AUTHORITY**  
**Budget & Financial Plan**  
**2017 - 2020**  
**Debt Schedule - December 31st**  
**(\$000's)**

|                                                               | <u>2017</u> | <u>2018</u> | <u>2019</u> | <u>2020</u> |
|---------------------------------------------------------------|-------------|-------------|-------------|-------------|
| Debt Outstanding (Principal)                                  | \$96,855    | \$89,405    | \$81,660    | \$73,605    |
| Debt Service Payments (Principal & Interest)                  |             |             |             |             |
|                                                               | 11,104      | 11,091      | 11,082      | 11,076      |
| 2011 Bonds Debt Service as a %<br>of total pledged revenues * | 11.96%      | 0.00%       | 0.00%       | 0.00%       |
| 2012 Bonds Debt Service as a %<br>of total pledged revenues * | 6.61%       | 18.55%      | 18.53%      | 15.22%      |
| Cumulative Debt Service as a %<br>of total pledged revenues * | 18.56%      | 18.55%      | 18.53%      | 15.22%      |

The proceeds of the Series 2012 bond sale will be 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 will be used primarily to rehabilitate the deck on the south span of the Newburgh-Beacon Bridge. Proceeds will also be used to fund a debt service reserve fund and pay costs of issuance. The Authority also issued Series 2011 \$32.4 million in General Revenue Refunding Bonds for the purpose of currently refunding its Series 2002 Bonds for debt service savings. The debt service payments above are NOT reflective of any debt service savings realized through the refinancing of the Authority's Series 2002 Bonds. The Authority is authorized to issue bonds and notes in an aggregate principal amount not-to-exceed \$153.225 million.

|                   |               |               |               |               |
|-------------------|---------------|---------------|---------------|---------------|
| * Pledged Revenue | <u>2017</u>   | <u>2018</u>   | <u>2019</u>   | <u>2020</u>   |
| Tolls             | 58,900        | 58,900        | 58,900        | 71,800        |
| Interest Income   | 350           | 350           | 350           | 400           |
| Other Income      | 550           | 550           | 550           | 550           |
|                   | <u>59,800</u> | <u>59,800</u> | <u>59,800</u> | <u>72,750</u> |

**NEW YORK STATE BRIDGE AUTHORITY**  
**Budget & Financial Plan**  
**2017 - 2020**

SEE NEW YORK STATE BRIDGE AUTHORITY 2017 - 2021 CAPITAL IMPROVEMENT PROGRAM.



**Bridge  
Authority**

**New York State Bridge Authority  
Capital Improvement Program  
2017 - 2021  
(\$ 000,000's)**

| FACILITY                    | 2016            | PROGRAM YEARS   |                 |                 |                 | FIVE (5) YEAR<br>TOTAL |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|
|                             |                 | 2017            | 2018            | 2019            | 2020            |                        |
| Rip Van Winkle Bridge       | \$2,000         | \$3,500         | \$0,000         | \$1,000         | \$2,000         | \$6,500                |
| Kingston-Rhinecliff Bridge  | \$0,000         | \$0,000         | \$1,000         | \$0,000         | \$4,000         | \$5,000                |
| Mid-Hudson Bridge           | \$1,325         | \$3,225         | \$0,500         | \$3,000         | \$5,000         | \$11,725               |
| Newburgh-Beacon Bridge      | \$2,650         | \$18,000        | \$7,000         | \$0,500         | \$0,750         | \$47,750               |
| Bear Mountain Bridge        | \$0,100         | \$1,500         | \$0,500         | \$2,000         | \$0,000         | \$4,000                |
| Walkway over the Hudson     | \$0,025         | \$0,500         | \$4,800         | \$0,000         | \$0,400         | \$5,700                |
| Systemwide (Engineering)    | \$2,840         | \$2,860         | \$3,625         | \$4,900         | \$2,675         | \$17,010               |
| Systemwide (IT Dept.)       | \$0,416         | \$0,640         | \$0,488         | \$0,785         | \$0,311         | \$2,538                |
| Systemwide (Administration) | \$0,085         | \$0,040         | \$0,040         | \$0,040         | \$0,120         | \$0,280                |
| Systemwide (Operations)     | \$2,210         | \$4,945         | \$0,900         | \$0,400         | \$8,385         | \$25,015               |
| <b>Program Total</b>        | <b>\$11,651</b> | <b>\$35,210</b> | <b>\$18,853</b> | <b>\$12,625</b> | <b>\$23,641</b> | <b>\$125,518</b>       |

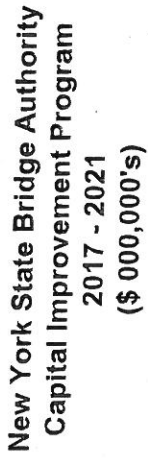
August 26, 2016

New York State Bridge Authority  
Capital Improvement Program  
2017 - 2021  
(\$ 000,000's)

Engineering

August 26, 2016  
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| Project I.D.          | Project Type           | Project Title/Description                                                                                                                                                                                                                     | Phase | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | TOTAL | Remarks                |
|-----------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------|
| R0001<br>2009         | Facility Rehab         | <b>Rip Van Winkle, Electrical Upgrade</b><br>Complete bridge electrical wiring removal, install new conductor cables, new load centers and transformers.                                                                                      | CONST |       |       |       |       | 1.000 |       | 1.000 | 2014 to 2020 ; \$1 mil |
|                       |                        |                                                                                                                                                                                                                                               | OTHER |       |       |       |       |       |       | 0.000 |                        |
|                       |                        |                                                                                                                                                                                                                                               | TOTAL | 0.000 | 0.000 | 0.000 | 0.000 | 1.000 | 0.000 | 1.000 |                        |
| R0002<br>2010         | Preventive Maintenance | <b>Rip Van Winkle, Maintenance Painting</b><br>Power tool clean and spot painting of pier steel bents.                                                                                                                                        | CONST |       |       |       |       | 1.000 |       | 1.000 | 2018 to 2020; \$1 mil  |
|                       |                        |                                                                                                                                                                                                                                               | OTHER |       |       |       |       |       |       | 0.000 |                        |
|                       |                        |                                                                                                                                                                                                                                               | TOTAL | 0.000 | 0.000 | 0.000 | 0.000 | 1.000 | 0.000 | 1.000 |                        |
| R0003<br>2010<br>2013 | Facility Rehab         | <b>Rip Van Winkle, Bridge Railing Replacement and sidewalk replacement</b><br>Complete bridge railing removal and replacement. Pedestrian walkway railing and roadway railings atop parapet walls, including pedestrian sidewalk replacement. | CONST | 2.000 | 3.400 |       |       |       |       | 3.400 |                        |
|                       |                        |                                                                                                                                                                                                                                               | OTHER |       |       |       |       |       |       | 0.000 |                        |
|                       |                        |                                                                                                                                                                                                                                               | TOTAL | 2.000 | 3.400 | 0.000 | 0.000 | 0.000 | 0.000 | 3.400 |                        |
| R0005<br>2012         | Facility Improvement   | <b>Rip Van Winkle, Office building</b><br>Administration interior renovations, roof repairs, etc.                                                                                                                                             | CONST |       | 0.100 |       |       |       |       | 0.100 |                        |
|                       |                        |                                                                                                                                                                                                                                               | OTHER |       |       |       |       |       |       | 0.000 |                        |
|                       |                        |                                                                                                                                                                                                                                               | TOTAL | 0.000 | 0.100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.100 |                        |
| R0006<br>2013         | Facility Rehab         | <b>RVW - Approach Paving and NovaChip</b><br>Mill and Fill approach roadway and NovaChip overlay main bridge.                                                                                                                                 | CONST |       |       |       | 1.000 |       |       | 1.000 |                        |
|                       |                        |                                                                                                                                                                                                                                               | CONST |       |       |       |       |       |       | 0.000 |                        |
|                       |                        |                                                                                                                                                                                                                                               | TOTAL | 0.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 | 1.000 |                        |



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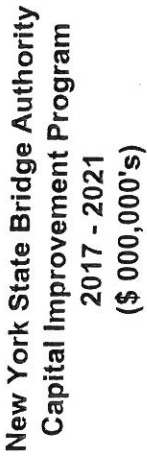
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**New York State Bridge Authority  
Capital Improvement Program  
2017 - 2021  
(\$ 000,000's)**

**Engineering**

August 26, 2016  
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| Project I.D.            | Project Type           | Project Title/Description                                                                                                                                                                                                               | Phase | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | TOTAL | Remarks                                                                                |
|-------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------------------------------------------------------------|
| M0002<br>2010           | Preventive Maintenance | Mid-Hudson, Maintenance Painting<br>Power tool clean and spot paint stiffening truss & towers                                                                                                                                           | CONST |       |       |       |       | 2.000 |       | 2.000 | Postpone contract painting to 2020                                                     |
|                         |                        |                                                                                                                                                                                                                                         | OTHER |       |       |       |       |       |       | 0.000 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | TOTAL | 0.000 | 0.000 | 0.000 | 0.000 | 2.000 | 0.000 | 2.000 |                                                                                        |
| M0003<br>2010 &<br>2011 | Facility Rehab         | Mid-Hudson, Approach and Bridge Paving<br>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. | CONST |       |       |       | 3.000 |       |       | 3.000 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | OTHER |       |       |       |       |       |       | 0.000 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | TOTAL | 0.000 | 0.000 | 0.000 | 3.000 | 0.000 | 0.000 | 3.000 |                                                                                        |
| M0004<br>2011           | Facility Improvement   | Mid-Hudson, Building Renovations<br>Administration building roof, Front Entrance, Old Admin. roof                                                                                                                                       | CONST | 0.650 |       |       |       |       |       | 0.000 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | OTHER |       |       |       |       |       |       | 0.000 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | TOTAL | 0.650 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |                                                                                        |
| M0005<br>2010           | Facility Rehab         | Mid-Hudson, East Approach Viaduct Spans<br>Lead abatement of approach spans including arch truss over the Metro-North rail line.                                                                                                        | CONST |       |       |       |       | 3.000 |       | 3.000 | Postponed from 2018 to 2020 - 2022, \$3 mil<br>Paint System remains in good condition. |
|                         |                        |                                                                                                                                                                                                                                         | OTHER |       |       |       |       |       |       | 0.000 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | TOTAL | 0.000 | 0.000 | 0.000 | 0.000 | 3.000 | 0.000 | 3.000 |                                                                                        |
| M0006<br>2009           | Investigation          | Mid-Hudson, Main Cable Inspection<br>1) Inspection of the Main Cable last performed 2009.                                                                                                                                               | CONST | 0.150 | 1.850 |       |       |       |       | 1.850 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | OTHER |       | 0.500 |       |       |       |       | 0.500 |                                                                                        |
|                         |                        |                                                                                                                                                                                                                                         | TOTAL | 0.150 | 2.350 | 0.000 | 0.000 | 0.000 | 0.000 | 2.350 |                                                                                        |



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| Project I.D. | Project Type           | Project Title/Description                                                                                    | Phase | 2016  | 2017  | 2018   | 2019  | 2020  | 2021  | TOTAL | Remarks |
|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|-------|-------|-------|--------|-------|-------|-------|-------|---------|
| M0009-2013   | Preventive Maintenance | Mid-Hudson, Anchorages<br>Main Cable Dehumidification, Anchorages & Tower Tops                               | CONST | 0.525 |       |        |       |       |       | 0.000 |         |
|              |                        |                                                                                                              | OTHER |       |       |        |       |       |       | 0.000 |         |
|              |                        |                                                                                                              | TOTAL | 0.525 | 0.000 | 0.000  | 0.000 | 0.000 | 0.000 |       |         |
| M0010-2016   | Facility Improvement   | Mid-Hudson, East Anchorage<br>East Anchorage Elevator                                                        | CONST |       | 0.500 |        |       |       |       | 0.500 |         |
|              |                        |                                                                                                              | OTHER |       |       |        |       |       |       | 0.000 |         |
|              |                        |                                                                                                              | TOTAL | 0.000 | 0.500 | 0.000  | 0.000 | 0.000 | 0.000 |       |         |
| M0011-2016   | Facility Improvement   | Mid-Hudson, Old Administration Building<br>Old Admin building renovation, new HVAC system for record storage | CONST |       |       | 0.500  |       |       |       | 0.500 |         |
|              |                        |                                                                                                              | OTHER |       |       |        |       |       |       | 0.000 |         |
|              |                        |                                                                                                              | TOTAL | 0.000 | 0.000 | 0.500  | 0.000 | 0.000 | 0.000 |       |         |
| M0012-2016   | Facility Improvement   | Mid-Hudson Bridge - Sidewalk Lighting<br>Furnish and install new security lighting for north sidewalk        | CONST |       | 0.300 |        |       |       |       | 0.300 |         |
|              |                        |                                                                                                              | OTHER |       | 0.075 |        |       |       |       | 0.075 |         |
|              |                        |                                                                                                              | TOTAL | 0.000 | 0.375 | -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 |       |         |

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| Project I.D.  | Project Type         | Project Title/Description                                                                                                                                                                                                                                                                                      | Phase | Program Years |  |  |  | 2016  | 2017  |  |  | 2018  |  |       | 2019 |  |  | 2020  |  |  | 2021 |  |  | TOTAL  | Remarks                                                                                                                                                                                                                        |
|---------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|--|--|--|-------|-------|--|--|-------|--|-------|------|--|--|-------|--|--|------|--|--|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                      |                                                                                                                                                                                                                                                                                                                |       |               |  |  |  |       |       |  |  |       |  |       |      |  |  |       |  |  |      |  |  |        |                                                                                                                                                                                                                                |
| N0005<br>2000 | Facility Improvement | Newburgh-Beacon, Approach Interchanges<br>I-84 / Rte. 9W Overpass: Rehabilitation project: Deck Replacement and raising the floor system for vertical clearance and approach paving.<br>2016 - Rte 9W Design<br>2017 - 2018: Construction & Construction Inspection<br>Weigh-In-Motion MOU paid \$200K in 2016 | CONST |               |  |  |  |       | 5.000 |  |  | 7.000 |  |       |      |  |  |       |  |  |      |  |  | 12.000 | 1) Federation Project, \$35 mil. post 2019 for "All electronic tolling" (AET) requirements.<br>9D overpass re-construction.<br>2) \$2 mil approach paving and truck median barrier included in 9W Rehabilitation project, 2018 |
|               |                      |                                                                                                                                                                                                                                                                                                                | ENGR  | 0.200         |  |  |  | 0.250 |       |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 0.000  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | TOTAL | 0.450         |  |  |  |       | 5.000 |  |  | 7.000 |  |       |      |  |  | 0.000 |  |  |      |  |  | 12.000 |                                                                                                                                                                                                                                |
| N0008<br>2014 | Facility Rehab       | NBB - North Span Deck Replacement<br>Replace deck, upgrade electrical system, install waterproofing overlay.                                                                                                                                                                                                   | CONST |               |  |  |  |       |       |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 20.000 | Award NBB Deck - Fall 2020<br>-\$80.75 mil deck replacement 2021, 2022 & 2023<br>-Design Deck Replacement 2019 - 2020<br>-Construction to start Spring 2021                                                                    |
|               |                      |                                                                                                                                                                                                                                                                                                                | OTHER |               |  |  |  |       |       |  |  |       |  | 0.500 |      |  |  | 0.750 |  |  |      |  |  | 2.750  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | TOTAL | 0.000         |  |  |  |       | 0.000 |  |  | 0.000 |  | 0.500 |      |  |  | 0.750 |  |  |      |  |  | 22.750 |                                                                                                                                                                                                                                |
| N0009<br>2015 | Extra Maintenance    | NBB - North Span Steel and Deck Repairs<br>2016 - Deck shoring & deck repairs Pier 1 to Pier 15<br>2016 - Gusset plate repairs, main Span Pier 4 to Pier 7                                                                                                                                                     | CONST |               |  |  |  | 2.000 | 3.000 |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 3.000  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | OTHER | 0.200         |  |  |  |       | 0.500 |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 0.500  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | TOTAL | 2.200         |  |  |  |       | 3.500 |  |  | 0.000 |  | 0.000 |      |  |  | 0.000 |  |  |      |  |  | 3.500  |                                                                                                                                                                                                                                |
| N0010<br>2016 | Extra Maintenance    | NBB - North Span Catwalk & Cable Tray Upgrade<br>Lower & Upgrade Catwalk to OSHA Compliance and Upgrade Utility Cable Tray system.                                                                                                                                                                             | CONST |               |  |  |  |       | 4.000 |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 4.000  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | OTHER |               |  |  |  |       | 0.500 |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 0.500  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | TOTAL | 0.000         |  |  |  |       | 4.500 |  |  | 0.000 |  | 0.000 |      |  |  | 0.000 |  |  |      |  |  | 4.500  |                                                                                                                                                                                                                                |
| N0011<br>2016 | Extra Maintenance    | NBB - South Span Painting<br>South Span underside sidewalk painting (thru truss and girder spans).<br>Bottom chord interior joints to be water blast cleaned and painted.                                                                                                                                      | CONST |               |  |  |  |       | 5.000 |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 5.000  | Note: Underside of deck truss sidewalk was done in 1999, may require overcoating.                                                                                                                                              |
|               |                      |                                                                                                                                                                                                                                                                                                                | OTHER |               |  |  |  |       |       |  |  |       |  |       |      |  |  |       |  |  |      |  |  | 0.000  |                                                                                                                                                                                                                                |
|               |                      |                                                                                                                                                                                                                                                                                                                | TOTAL | 0.000         |  |  |  |       | 5.000 |  |  | 0.000 |  | 0.000 |      |  |  | 0.000 |  |  |      |  |  | 5.000  |                                                                                                                                                                                                                                |

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| Project<br>I.D. | Project<br>Type           | Project<br>Title/Description                                                                   | Phase | 2016  | Program Years |       |       |       | TOTAL | Remarks                            |
|-----------------|---------------------------|------------------------------------------------------------------------------------------------|-------|-------|---------------|-------|-------|-------|-------|------------------------------------|
|                 |                           |                                                                                                |       |       | 2017          | 2018  | 2019  | 2020  |       |                                    |
| B0005<br>2007   | Extra<br>Maintenance      | Bear Mountain - Main Cable Evaluation<br>Main cable investigation - 10 year cycle.             | CONST |       | 1.500         |       |       |       | 1.500 |                                    |
|                 |                           |                                                                                                | OTHER | 0.100 |               |       |       |       | 0.000 |                                    |
|                 |                           |                                                                                                | TOTAL | 0.100 | 1.500         | 0.000 | 0.000 | 0.000 | 1.500 |                                    |
| B0002<br>2007   | Preventive<br>Maintenance | Bear Mountain - Maintenance Painting<br>Spot clean and painting of towers and stiffening truss | CONST |       |               | 0.500 |       |       | 0.500 |                                    |
|                 |                           |                                                                                                | OTHER |       |               |       |       |       | 0.000 |                                    |
|                 |                           |                                                                                                | TOTAL | 0.000 | 0.000         | 0.500 | 0.000 | 0.000 | 0.500 |                                    |
| B0003<br>2007   | Extra<br>Maintenance      | Bear Mountain - Main Cable Safety Handrope<br>Remove and replace main cable safety handrope    | CONST |       |               |       | 2.000 |       | 2.000 | Postponed from 2015 -2019 or later |
|                 |                           |                                                                                                | OTHER |       |               |       |       |       | 0.000 |                                    |
|                 |                           |                                                                                                | TOTAL | 0.000 | 0.000         | 0.000 | 2.000 | 0.000 | 2.000 |                                    |
|                 |                           |                                                                                                | CONST |       |               |       |       |       |       |                                    |
|                 |                           |                                                                                                | OTHER |       |               |       |       |       |       |                                    |
|                 |                           |                                                                                                | TOTAL | 0.000 | 0.000         | 0.000 | 0.000 | 0.000 | 0.000 |                                    |
|                 |                           |                                                                                                | CONST |       |               |       |       |       |       |                                    |
|                 |                           |                                                                                                | OTHER |       |               |       |       |       |       |                                    |
|                 |                           |                                                                                                | TOTAL | 0.000 | 0.000         | 0.000 | 0.000 | 0.000 | 0.000 |                                    |

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| Project I.D. | Project Type           | Project Title/Description                                                                                                                                                                                                                                                    | Phase | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | TOTAL | Remarks                                                                             |
|--------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
| S0001        | Investigation          | <b>BA2011-RE-101: General Consultant and Inspections</b><br>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  | 0.445 | 0.460 | 0.475 | 0.500 | 0.525 | 0.550 | 2.510 | NYSBA - Biennial Inspection support, Authority personnel and equipment, UB 60 & 30. |
|              |                        |                                                                                                                                                                                                                                                                              | NYSBA | 0.095 | 0.090 | 0.090 | 0.090 | 0.090 | 0.090 | 0.450 |                                                                                     |
|              |                        |                                                                                                                                                                                                                                                                              | TOTAL | 0.530 | 0.550 | 0.565 | 0.590 | 0.615 | 0.640 | 2.960 |                                                                                     |
| S0002        | Investigation          | <b>Periodic Underwater Bridge Inspections</b><br>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  |       | 0.250 |       |       |       |       | 0.250 |                                                                                     |
|              |                        |                                                                                                                                                                                                                                                                              | OTHER |       |       |       |       |       |       | 0.000 |                                                                                     |
|              |                        |                                                                                                                                                                                                                                                                              | TOTAL | 0.000 | 0.250 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 |                                                                                     |
| S0003        | Extra Maintenance      | <b>BA20XX-RE-10X: In-House Capital Projects</b><br>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      | <b>BA2013-RE-101: Capital Maintenance Projects</b><br>Standby readiness contract for urgent bridge and highway repairs.                                                                                                                                                      | CONST | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 1.250 |                                                                                     |
|              |                        |                                                                                                                                                                                                                                                                              | OTHER |       |       |       |       |       |       | 0.000 |                                                                                     |
|              |                        |                                                                                                                                                                                                                                                                              | TOTAL | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 1.250 |                                                                                     |
| S0005        | Preventive Maintenance | <b>Systemwide, River Pier Base Repairs</b><br>Masonry pier pointing, concrete repairs and rip-rap placement as recommended from underwater and visual inspections.                                                                                                           | CONST |       |       |       | 0.750 |       |       | 0.750 | 2019<br>NBB<br>KRB<br>\$0.500<br>\$0.250                                            |
|              |                        |                                                                                                                                                                                                                                                                              | OTHER |       |       |       |       |       |       | 0.000 |                                                                                     |
|              |                        |                                                                                                                                                                                                                                                                              | TOTAL | 0.000 | 0.000 | 0.000 | 0.750 | 0.000 | 0.000 | 0.750 |                                                                                     |

# Engineering

| Project I.D.  | Project Type           | Project Title/Description                                                                                                                                    | Phase | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | TOTAL | Remarks                                        |
|---------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------------------------|
| S0006<br>2008 | Preventive Maintenance | <b>Systemwide, Substructure Repairs (Land Piers)</b><br><br>Partial depth concrete repairs and sealing                                                       | CONST |       |       |       | 0.500 |       |       | 0.500 | 2019 BMB \$0.200<br>MHB \$0.100<br>KRB \$0.200 |
|               |                        |                                                                                                                                                              | OTHER |       |       |       |       |       |       | 0.000 |                                                |
|               |                        |                                                                                                                                                              | TOTAL | 0.000 | 0.000 | 0.000 | 0.500 | 0.000 | 0.000 | 0.500 | 2019 = \$0.500                                 |
|               |                        |                                                                                                                                                              |       |       |       |       |       |       |       |       |                                                |
| S0007         | Equipment              | <b>Systemwide, Equipment Purchases</b><br><br>Acquisition of major extraordinary vehicles and equipment necessary to operate and maintain the bridge system. | CONST |       |       |       |       |       |       | 0.000 | 2021 - UB Re-build                             |
|               |                        |                                                                                                                                                              | OTHER | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.750 | 2.750 |                                                |
|               |                        |                                                                                                                                                              | TOTAL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.750 | 2.750 |                                                |
|               |                        |                                                                                                                                                              |       |       |       |       |       |       |       |       |                                                |
| S0008<br>2013 | Preventive Maintenance | <b>Systemwide Steel Repairs</b>                                                                                                                              | TOTAL |       |       |       | 1.000 |       |       | 1.000 | RWW, KRB and BMB: 2019                         |
| S0009<br>2015 | Preventive Maintenance | <b>Systemwide, Deck Joint Repairs</b>                                                                                                                        | TOTAL | 0.250 |       |       |       |       |       | 0.000 |                                                |
| S0010<br>2016 | Preventive Maintenance | <b>Systemwide, Fuel Tank Replacement</b>                                                                                                                     | TOTAL |       |       | 1.000 |       |       |       | 1.000 |                                                |
|               |                        |                                                                                                                                                              |       |       |       |       |       |       |       |       |                                                |
|               |                        |                                                                                                                                                              |       |       |       |       |       |       |       |       |                                                |
|               |                        |                                                                                                                                                              |       |       |       |       |       |       |       |       |                                                |

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| Project I.D. | Project Type | Project Title/Description                                                          | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | TOTAL | Remarks                                                                      |
|--------------|--------------|------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------------------------------------------------------------------|
| SI-0001      | IT           | Systemwide - Office Equipment Purchases, Copier, Printers, plotter, ID card system |       |       |       | 0.035 |       |       | 0.035 | Ops Copier                                                                   |
| SI-0002      | IT           | Systemwide - PC Upgrade (System Hardware)                                          | 0.025 | 0.025 | 0.015 | 0.035 | 0.025 | 0.015 | 0.115 |                                                                              |
| SI-0003      | IT           | Mid-Hudson - Necklace Lights                                                       | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.025 |                                                                              |
| SI-0005      | IT           | Systemwide - Card Access / FOB                                                     | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.075 |                                                                              |
| SI-0010      | IT           | ITS Components - Multiplexer, cabinet, UPS                                         | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.075 |                                                                              |
| SI-0013      | IT           | Windows File server(s) and Web Filter                                              | 0.056 | 0.060 | 0.048 | 0.040 | 0.056 | 0.054 | 0.258 |                                                                              |
| SI-0015      | IT           | Data Cabling                                                                       | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.035 | 0.175 |                                                                              |
| SI-0023      | IT           | Firewall/Virtual Private Network (VPN)                                             | 0.040 | 0.050 |       |       |       | 0.050 | 0.100 |                                                                              |
| SI-0026      | IT           | Systemwide - Radios                                                                |       | 0.250 | 0.250 |       |       |       | 0.500 |                                                                              |
| SI-0029      | IT           | Systemwide -Backup                                                                 |       | 0.080 |       |       | 0.055 |       | 0.135 | Email Server 25K and Data Sever 55K                                          |
| SI-0030      | IT           | Systemwide - Internet ReDesign                                                     | 0.012 |       |       |       |       |       | 0.000 |                                                                              |
| SI-0032      | IT           | Systemwide - Alarm                                                                 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.025 |                                                                              |
| SI-0033      | IT           | Rack Enhancement                                                                   |       |       |       |       |       | 0.020 | 0.020 |                                                                              |
| SI-0034      | IT           | Backup AC for Network Room, Ops Bldg.                                              | 0.008 |       |       |       |       |       | 0.000 |                                                                              |
| SO-0006      | IT/OPS       | Mid-Hudson - Command Center, ITS Equip.                                            | 0.200 | 0.100 | 0.100 | 0.600 | 0.100 | 0.100 | 1.000 | 2016: \$.200 Video wall upgrade<br>2017-2020: \$1.000 ITS Equipment upgrades |

## Administration

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**Operations**

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| Project<br>I.D. | Project<br>Type | Project<br>Title/Description                                                                                                                                          | Program Years |       |       |       |       | TOTAL | Remarks                                   |
|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------|-------|-------|-------|-------|-------------------------------------------|
|                 |                 |                                                                                                                                                                       | 2016          | 2017  | 2018  | 2019  | 2020  | 2021  |                                           |
| SO-0001         | OPS             | E-Z PASS - Cashless Tolling Study                                                                                                                                     | Budget        | 0.175 | 0.500 |       |       | 0.500 |                                           |
| SO-0003         | OPS             | All Electronic Tolling (AET), Plaza Removal                                                                                                                           | Budget        |       |       |       | 7.000 | 5.000 |                                           |
| SO-0004         | OPS             | Toll System Upgrade / Toll Gates / Lane Monitors / Antenna replacement and Security Gates                                                                             | Budget        | 0.100 | 0.110 | 0.100 | 0.100 | 0.100 | 2013-2016 Replace Toll Gates & Monitors   |
| SO-0007         | OPS             | Lane Use Signals, Replacement                                                                                                                                         | Budget        | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 2017 Security Gates                       |
| SO-0008         | OPS             | Plaza & Central Server Upgrades                                                                                                                                       | Budget        | 0.375 | 0.015 | 0.015 | 0.015 | 0.015 |                                           |
| SO-0011         | OPS             | UPS (Un-interruptible Power System)                                                                                                                                   | Budget        | 0.075 | 0.015 | 0.010 | 0.010 | 0.010 | Install sump pump Command Center Basement |
| SO-0012         | OPS             | Suicide Call Boxes - Upgrade / Replacement                                                                                                                            | Budget        | 0.100 | 0.005 | 0.005 | 0.005 | 0.005 |                                           |
| SO-0017         | OPS             | Phone system upgrade                                                                                                                                                  | Budget        | 0.100 |       |       |       |       |                                           |
| SO-0018         | OPS             | Toll System Replacement                                                                                                                                               | Budget        |       |       |       |       | 5.000 |                                           |
| SO-0029         | OPS             | Lane Controller RHEL 7 Migration                                                                                                                                      | Budget        | 0.030 | 0.030 |       |       |       |                                           |
| SO-0030         | OPS             | Security Camera Replacement / Upgrade                                                                                                                                 | Budget        | 0.500 | 2.500 |       |       |       | Kapsch/Citilog Phase 1 at BMB             |
| SO-0031         | OPS             | Security Enhancement/Hardening - Perimeter Fencing                                                                                                                    | Budget        |       | 0.500 |       |       |       |                                           |
| SO-0032         | OPS             | Old Admin Renovation - Record Storage & AC                                                                                                                            | Budget        |       | 0.500 |       |       |       |                                           |
| SO-0033         | OPS             | Systemwide - Gasboy (Fuel Dispensing Upgrade)                                                                                                                         | Budget        | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |                                           |
| SO-0034         | OPS             | Systemwide Cameras Replacements                                                                                                                                       | Budget        | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |                                           |
| SO-0035         | OPS             | ITS Consultant - Kapsch, Inc                                                                                                                                          | Budget        | 0.125 | 0.125 | 0.125 | 0.125 | 0.125 |                                           |
| SO-0036         | OPS             | National Interoperability (NICOP) Protocol<br>New tolling protocol will facilitate seamless travel across North America's tolling facility via multi-protocol reader. | Budget        |       | 0.500 |       |       |       |                                           |
| SO-0037         | OPS             | NBB (N&S) - Fiber Optic Replacement<br>North America's tolling facility via multi-protocol reader.                                                                    | Budget        | 0.500 | 0.500 |       |       |       | Kapsch - South Span 2016; North Span 2017 |
| SO-0038         | OPS             | VMS Upgrade - NBB & MHB                                                                                                                                               | Budget        |       | 0.015 | 0.015 | 1.000 |       |                                           |