



Appendix 2 – Project Cost Summary Tables

This appendix provides project cost summaries for each the Mixed Technology Alternatives (MTAs):

- MTA-1: Enhanced Conveyance and Treatment
- MTA-2: Satellite Storage with Limited Consolidation
- MTA-3: Satellite Treatment and Storage with Limited Consolidation
- MTA-4A: Satellite Treatment and Storage with Maximized Consolidation
- MTA-4B: Satellite Storage with Maximized Consolidation
- MTA-5: Tunnel Storage Based Control
- MTA-6: Maximize Conveyance and Treatment
- MTA-7: Paxton Creek Storage Conduit

For each MTA, separate summary tables are provided for each of the evaluated levels of control, from 0 overflows to 20 overflows. Each breakdown includes the following components:

- Appendix B projects, less GSI
- Systemwide GSI
- Sewer separation
- Satellite storage tanks
- Satellite treatment facilities, including screening and disinfection and retention treatment basins
- Additional project costs unique to particular MTAs (tunnels, PCI diversion to RTB, linear storage)

Each individual project includes the following cost components (basis for these costs provided in Appendix 1):

- Total construction costs, which includes ancillary costs such as consolidation sewers, pumping, etc.
- Capital markups
- Land acquisition
- Operation and maintenance costs
- Rehabilitation/replacement costs

The sum of these components represents the 20-year present value lifecycle costs in 2024 dollars.

Project Cost Summary: MTA 1, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 54.33 | 25 | 25 | 12 | 0.00 | 0.3 | 0.0 | 38 |
| - | - | AWTF/FSPS Expansion (MGD): | 100.00 | 22 | 22 | 11 | 0 | 2.0 | 2.5 | 38 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.48 | 21 | 23 | 11 | 0.20 | 0.7 | 1.3 | 37 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 3.56 | 34 | 40 | 20 | 0.25 | 1.2 | 2.3 | 64 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 2.89 | 30 | 34 | 17 | 0.30 | 1.1 | 1.9 | 54 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 4.78 | 41 | 47 | 24 | 0.30 | 1.5 | 2.7 | 75 |
| CSO-13 | 12 to 16 | Storage Tank (MG): | 1.03 | 18 | 22 | 11 | 0.50 | 0.7 | 1.3 | 36 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.84 | 10 | 14 | 7 | 0.20 | 0.4 | 0.8 | 22 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 1.44 | 20 | 24 | 12 | 0.30 | 0.8 | 1.4 | 39 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.17 | 6 | 6 | 3 | 0.30 | 0.2 | 0.4 | 11 |
| CSO-21 | 21 | Storage Tank (MG): | 0.55 | 8 | 9 | 4 | 0.35 | 0.3 | 0.5 | 14 |
| CSO-22 | 22 | Storage Tank (MG): | 0.08 | 5 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-24 | 24 | Storage Tank (MG): | 0.74 | 9 | 10 | 5 | 1.00 | 0.3 | 0.6 | 17 |
| CSO-28 | 28 | Storage Tank (MG): | 0.75 | 9 | 10 | 5 | 0.90 | 0.3 | 0.6 | 17 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 1.07 | 18 | 20 | 10 | 0.80 | 0.6 | 1.1 | 32 |
| CSO-37 | 37 | Storage Tank (MG): | 0.50 | 8 | 9 | 4 | 0.60 | 0.3 | 0.5 | 14 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 3.65 | 34 | 39 | 20 | 0.70 | 1.2 | 2.2 | 63 |
| CSO-34 | 34 | Storage Tank (MG): | 1.98 | 24 | 26 | 13 | 0.15 | 0.8 | 1.5 | 41 |
| CSO-40 | 39 to 40 | Storage Tank (MG): | 0.87 | 10 | 11 | 6 | 0.65 | 0.3 | 0.6 | 18 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 4.31 | 38 | 43 | 21 | 0.60 | 1.3 | 2.4 | 68 |
| CSO-44 | 44 | Storage Tank (MG): | 0.93 | 10 | 12 | 6 | 0.45 | 0.4 | 0.7 | 19 |
| CSO-48 | 48 | Storage Tank (MG): | 8.40 | 63 | 71 | 35 | 0.75 | 2.2 | 4.0 | 113 |
| CSO-61 | 61 | Storage Tank (MG): | 1.19 | 19 | 21 | 10 | 0.35 | 0.6 | 1.2 | 33 |
| CSO-63 | 62 to 64 | Storage Tank (MG): | 1.31 | 20 | 22 | 11 | 0.30 | 0.7 | 1.3 | 36 |
| Total | | | 566 | 63 | 629 | 314 | 10.30 | 43.8 | 31.8 | 1,216 |

Project Cost Summary: MTA 1, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 54.33 | 0 | 25 | 12 | 0.00 | 0.3 | 0.0 | 38 |
| - | - | AWTF/FSPS Expansion (MGD): | 100.00 | 0 | 22 | 11 | 0 | 2.0 | 2.5 | 38 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.84 | 2 | 12 | 6 | 0.20 | 0.4 | 0.7 | 19 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.92 | 5 | 29 | 14 | 0.25 | 0.9 | 1.6 | 46 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.49 | 3 | 24 | 12 | 0.30 | 0.7 | 1.3 | 38 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 2.36 | 4 | 31 | 15 | 0.30 | 1.0 | 1.7 | 49 |
| CSO-13 | 12 to 16 | Storage Tank (MG): | 0.71 | 4 | 13 | 6 | 0.50 | 0.4 | 0.7 | 21 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.61 | 3 | 12 | 6 | 0.20 | 0.4 | 0.7 | 19 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 0.83 | 3 | 13 | 6 | 0.30 | 0.4 | 0.7 | 21 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.08 | 1 | 6 | 3 | 0.30 | 0.2 | 0.3 | 9 |
| CSO-21 | 21 | Storage Tank (MG): | 0.34 | 1 | 7 | 4 | 0.35 | 0.2 | 0.4 | 12 |
| CSO-22 | 22 | Storage Tank (MG): | 0.04 | 0 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-24 | 24 | Storage Tank (MG): | 0.38 | 1 | 8 | 4 | 1.00 | 0.2 | 0.4 | 13 |
| CSO-28 | 28 | Storage Tank (MG): | 0.43 | 1 | 8 | 4 | 0.90 | 0.2 | 0.5 | 14 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.51 | 2 | 9 | 5 | 0.80 | 0.3 | 0.5 | 16 |
| CSO-37 | 37 | Storage Tank (MG): | 0.25 | 1 | 7 | 3 | 0.60 | 0.2 | 0.4 | 11 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 1.96 | 4 | 27 | 14 | 0.70 | 0.9 | 1.6 | 44 |
| CSO-34 | 34 | Storage Tank (MG): | 1.15 | 2 | 20 | 10 | 0.15 | 0.6 | 1.1 | 32 |
| CSO-40 | 39 to 40 | Storage Tank (MG): | 0.46 | 1 | 8 | 4 | 0.65 | 0.3 | 0.5 | 14 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 1.96 | 3 | 27 | 13 | 0.60 | 0.8 | 1.5 | 43 |
| CSO-44 | 44 | Storage Tank (MG): | 0.55 | 1 | 9 | 4 | 0.45 | 0.3 | 0.5 | 15 |
| CSO-48 | 48 | Storage Tank (MG): | 5.35 | 7 | 52 | 26 | 0.75 | 1.6 | 2.9 | 83 |
| CSO-61 | 61 | Storage Tank (MG): | 0.64 | 1 | 10 | 5 | 0.35 | 0.3 | 0.6 | 16 |
| CSO-63 | 62 to 64 | Storage Tank (MG): | 0.55 | 2 | 10 | 5 | 0.30 | 0.3 | 0.6 | 17 |
| Total | | | 406 | 50 | 456 | 228 | 10.30 | 38.4 | 22.0 | 941 |

Project Cost Summary: MTA 1, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 47.01 | 0 | 21 | 11 | 0.00 | 0.3 | 0.0 | 32 |
| - | - | AWTF/FSPS Expansion (MGD): | 100.00 | 0 | 22 | 11 | 0 | 2.0 | 2.5 | 38 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.19 | 1 | 7 | 3 | 0.20 | 0.2 | 0.4 | 11 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 0.89 | 4 | 14 | 7 | 0.25 | 0.4 | 0.8 | 23 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 0.90 | 2 | 13 | 6 | 0.30 | 0.4 | 0.7 | 21 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.42 | 3 | 24 | 12 | 0.30 | 0.7 | 1.3 | 38 |
| CSO-13 | 12 to 16 | Storage Tank (MG): | 0.18 | 3 | 9 | 4 | 0.50 | 0.3 | 0.5 | 14 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.20 | 3 | 8 | 4 | 0.20 | 0.3 | 0.5 | 14 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 0.25 | 2 | 8 | 4 | 0.30 | 0.3 | 0.5 | 13 |
| CSO-21 | 21 | Storage Tank (MG): | 0.07 | 0 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-24 | 24 | Storage Tank (MG): | 0.06 | 0 | 5 | 3 | 1.00 | 0.2 | 0.3 | 9 |
| CSO-28 | 28 | Storage Tank (MG): | 0.10 | 0 | 5 | 3 | 0.90 | 0.2 | 0.3 | 9 |
| CSO-26 | 26 | Storage Tank (MG): | 0.24 | 0 | 6 | 3 | 0.15 | 0.2 | 0.4 | 10 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.58 | 2 | 10 | 5 | 0.70 | 0.3 | 0.6 | 17 |
| CSO-34 | 34 | Storage Tank (MG): | 0.47 | 1 | 8 | 4 | 0.15 | 0.3 | 0.5 | 14 |
| CSO-40 | 39 to 40 | Storage Tank (MG): | 0.17 | 0 | 6 | 3 | 0.65 | 0.2 | 0.3 | 10 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 0.79 | 2 | 11 | 6 | 0.60 | 0.3 | 0.6 | 18 |
| CSO-44 | 44 | Storage Tank (MG): | 0.28 | 1 | 7 | 3 | 0.45 | 0.2 | 0.4 | 11 |
| CSO-48 | 48 | Storage Tank (MG): | 1.03 | 2 | 19 | 10 | 0.75 | 0.6 | 1.1 | 32 |
| CSO-61 | 61 | Storage Tank (MG): | 0.22 | 1 | 7 | 3 | 0.35 | 0.2 | 0.4 | 11 |
| CSO-63 | 62 to 63 | Storage Tank (MG): | 0.25 | 1 | 7 | 3 | 0.30 | 0.2 | 0.4 | 11 |
| Total | | | 258 | 29 | 287 | 144 | 8.40 | 33.2 | 12.7 | 672 |

Project Cost Summary: MTA 1, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 29.57 | 12 | 12 | 6 | 0.00 | 0.1 | 0.0 | 18 |
| - | - | AWTF/FSPS Expansion (MGD): | 100.00 | 22 | 22 | 11 | 0 | 2.0 | 2.5 | 38 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.11 | 5 | 6 | 3 | 0.20 | 0.2 | 0.3 | 10 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 0.50 | 8 | 11 | 6 | 0.25 | 0.4 | 0.6 | 18 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 0.56 | 8 | 10 | 5 | 0.30 | 0.3 | 0.6 | 16 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 0.85 | 10 | 13 | 6 | 0.30 | 0.4 | 0.7 | 21 |
| CSO-13 | 12 to 14 | Storage Tank (MG): | 0.09 | 5 | 6 | 3 | 0.50 | 0.2 | 0.4 | 11 |
| CSO-55 | 52 to 55 | Storage Tank (MG): | 0.11 | 5 | 7 | 4 | 0.20 | 0.2 | 0.4 | 12 |
| CSO-57 | 57 to 18 | Storage Tank (MG): | 0.16 | 5 | 6 | 3 | 0.30 | 0.2 | 0.3 | 10 |
| CSO-21 | 21 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-24 | 24 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 1.00 | 0.2 | 0.3 | 9 |
| CSO-28 | 28 | Storage Tank (MG): | 0.05 | 5 | 5 | 2 | 0.90 | 0.2 | 0.3 | 9 |
| CSO-26 | 26 | Storage Tank (MG): | 0.14 | 5 | 6 | 3 | 0.15 | 0.2 | 0.3 | 9 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.33 | 7 | 8 | 4 | 0.70 | 0.3 | 0.5 | 14 |
| CSO-34 | 34 | Storage Tank (MG): | 0.29 | 6 | 7 | 3 | 0.15 | 0.2 | 0.4 | 11 |
| CSO-40 | 39 to 40 | Storage Tank (MG): | 0.09 | 5 | 5 | 3 | 0.65 | 0.2 | 0.3 | 9 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 0.55 | 8 | 9 | 5 | 0.60 | 0.3 | 0.5 | 15 |
| CSO-44 | 44 | Storage Tank (MG): | 0.20 | 6 | 6 | 3 | 0.45 | 0.2 | 0.3 | 10 |
| CSO-48 | 48 | Storage Tank (MG): | 0.62 | 8 | 10 | 5 | 0.75 | 0.3 | 0.5 | 16 |
| CSO-61 | 61 | Storage Tank (MG): | 0.13 | 5 | 6 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-63 | 62 to 63 | Storage Tank (MG): | 0.16 | 5 | 6 | 3 | 0.30 | 0.2 | 0.3 | 10 |
| Total | | | 215 | 21 | 236 | 118 | 8.40 | 31.8 | 10.3 | 590 |

Project Cost Summary: MTA 1, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | AWTF/FSPS Expansion (MGD): | 100.00 | 0 | 22 | 11 | 0 | 2.0 | 2.5 | 38 |
| CSO-51.1 | 51 | Storage Tank (MG): | 0.44 | 0 | 8 | 4 | 0.25 | 0.2 | 0.4 | 12 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 0.42 | 2 | 9 | 4 | 0.30 | 0.3 | 0.5 | 14 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 0.59 | 2 | 11 | 5 | 0.30 | 0.3 | 0.6 | 17 |
| CSO-57 | 57 to 18 | Storage Tank (MG): | 0.05 | 0 | 5 | 3 | 0.30 | 0.2 | 0.3 | 8 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.04 | 1 | 6 | 3 | 0.70 | 0.2 | 0.3 | 10 |
| CSO-34 | 34 | Storage Tank (MG): | 0.14 | 0 | 6 | 3 | 0.15 | 0.2 | 0.3 | 9 |
| CSO-42 | 42 to 59 | Storage Tank (MG): | 0.33 | 1 | 8 | 4 | 0.60 | 0.2 | 0.4 | 13 |
| CSO-48 | 48 | Storage Tank (MG): | 0.11 | 0 | 5 | 3 | 0.75 | 0.2 | 0.3 | 9 |
| CSO-63 | 62 to 63 | Storage Tank (MG): | 0.04 | 0 | 5 | 2 | 0.30 | 0.1 | 0.3 | 8 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 |
| Total | | | 140 | 8 | 148 | 74 | 3.65 | 29.2 | 6.0 | 446 |

Project Cost Summary: MTA 1, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | AWTF/FSPS Expansion (MGD): | 100.00 | 0 | 22 | 11 | 0 | 2.0 | 2.5 | 38 |
| CSO-51.1 | 51 | Storage Tank (MG): | 0.27 | 0 | 7 | 3 | 0.25 | 0.2 | 0.4 | 11 |
| CSO-08 | 07 to 08 | Storage Tank (MG): | 0.24 | 1 | 7 | 3 | 0.30 | 0.2 | 0.4 | 11 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 0.29 | 2 | 8 | 4 | 0.30 | 0.3 | 0.5 | 14 |
| CSO-34 | 34 | Storage Tank (MG): | 0.08 | 0 | 5 | 3 | 0.15 | 0.2 | 0.3 | 8 |
| CSO-59 | 59 | Storage Tank (MG): | 0.11 | 0 | 5 | 3 | 0.60 | 0.2 | 0.3 | 9 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 |
| Total | | | 115 | 4 | 119 | 59 | 1.60 | 28.3 | 4.4 | 398 |

Project Cost Summary: MTA 2, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.77 | 23 | 25 | 12 | 0.20 | 0.8 | 1.4 | 40 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 4.14 | 37 | 44 | 22 | 0.25 | 1.4 | 2.5 | 70 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 3.38 | 33 | 37 | 18 | 0.30 | 1.1 | 2.1 | 59 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 5.71 | 47 | 53 | 26 | 0.30 | 1.6 | 3.0 | 84 |
| CSO-13 | 12 to 16 | Storage Tank (MG): | 1.40 | 20 | 25 | 12 | 0.50 | 0.8 | 1.4 | 40 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.97 | 11 | 15 | 7 | 0.20 | 0.5 | 0.8 | 23 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 2.15 | 25 | 29 | 14 | 0.30 | 0.9 | 1.6 | 46 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.22 | 6 | 7 | 3 | 0.30 | 0.2 | 0.4 | 11 |
| CSO-21 | 21 | Storage Tank (MG): | 0.57 | 8 | 9 | 5 | 0.35 | 0.3 | 0.5 | 15 |
| CSO-22 | 22 | Storage Tank (MG): | 0.09 | 5 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-24 | 24 | Storage Tank (MG): | 0.85 | 10 | 11 | 5 | 1.00 | 0.3 | 0.6 | 18 |
| CSO-28 | 28 | Storage Tank (MG): | 0.79 | 10 | 10 | 5 | 0.90 | 0.3 | 0.6 | 18 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 1.14 | 19 | 20 | 10 | 0.80 | 0.6 | 1.2 | 33 |
| CSO-30 | 30 | Storage Tank (MG): | 0.13 | 5 | 6 | 3 | 2.10 | 0.2 | 0.3 | 11 |
| CSO-37 | 37 | Storage Tank (MG): | 0.54 | 8 | 9 | 4 | 0.60 | 0.3 | 0.5 | 15 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 3.68 | 35 | 37 | 19 | 1.20 | 1.2 | 2.1 | 60 |
| CSO-34 | 34 | Storage Tank (MG): | 1.41 | 20 | 22 | 11 | 0.15 | 0.7 | 1.3 | 35 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 1.36 | 20 | 22 | 11 | 0.65 | 0.7 | 1.2 | 35 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 4.56 | 40 | 44 | 22 | 0.60 | 1.4 | 2.5 | 70 |
| CSO-44 | 44 to 46 | Storage Tank (MG): | 1.10 | 18 | 21 | 11 | 0.45 | 0.7 | 1.2 | 34 |
| CSO-48 | 48 | Storage Tank (MG): | 7.74 | 59 | 67 | 33 | 0.75 | 2.1 | 3.8 | 107 |
| CSO-61 | 61 | Storage Tank (MG): | 0.88 | 10 | 12 | 6 | 0.35 | 0.4 | 0.7 | 19 |
| CSO-63 | 62 to 64 | Storage Tank (MG): | 0.97 | 11 | 13 | 7 | 0.30 | 0.4 | 0.7 | 21 |
| CSO-31 | - | Storage Tank, Gravity In/Out (MG): | 1.62 | 0.0 | 0.0 | 0.0 | 0.50 | 0.0 | 0.0 | 0.5 |
| CSO-34 | - | Storage Tank, Gravity In/Out (MG): | 0.62 | 0.0 | 0.9 | 0.4 | 0.00 | 0.0 | 0.0 | 1.4 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 5.7 | 2.8 | 0.15 | 0.2 | 0.3 | 9.2 |
| Total | | | 542 | 69 | 612 | 306 | 13.55 | 42.4 | 31.0 | 1,192 |

Project Cost Summary: MTA 2, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.08 | 18 | 20 | 10 | 0.20 | 0.6 | 1.1 | 32 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 2.52 | 27 | 32 | 16 | 0.25 | 1.0 | 1.8 | 52 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.96 | 24 | 27 | 14 | 0.30 | 0.8 | 1.5 | 43 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 3.23 | 32 | 36 | 18 | 0.30 | 1.1 | 2.1 | 58 |
| CSO-13 | 12 to 16 | Storage Tank (MG): | 1.05 | 18 | 22 | 11 | 0.50 | 0.7 | 1.2 | 35 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.77 | 9 | 13 | 6 | 0.20 | 0.4 | 0.7 | 20 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 1.17 | 19 | 22 | 11 | 0.30 | 0.7 | 1.2 | 35 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.10 | 5 | 6 | 3 | 0.30 | 0.2 | 0.3 | 10 |
| CSO-21 | 21 | Storage Tank (MG): | 0.34 | 7 | 7 | 4 | 0.35 | 0.2 | 0.4 | 12 |
| CSO-22 | 22 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-24 | 24 | Storage Tank (MG): | 0.39 | 7 | 8 | 4 | 1.00 | 0.2 | 0.4 | 13 |
| CSO-28 | 28 | Storage Tank (MG): | 0.40 | 7 | 8 | 4 | 0.90 | 0.2 | 0.4 | 13 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.53 | 8 | 10 | 5 | 0.80 | 0.3 | 0.5 | 16 |
| CSO-37 | 37 | Storage Tank (MG): | 0.25 | 6 | 7 | 3 | 0.60 | 0.2 | 0.4 | 11 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 1.66 | 22 | 24 | 12 | 0.70 | 0.7 | 1.4 | 39 |
| CSO-34 | 34 | Storage Tank (MG): | 0.58 | 8 | 10 | 5 | 0.15 | 0.3 | 0.5 | 15 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.76 | 9 | 11 | 5 | 0.65 | 0.3 | 0.6 | 18 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 2.05 | 24 | 27 | 13 | 0.60 | 0.8 | 1.5 | 43 |
| CSO-44 | 44 to 46 | Storage Tank (MG): | 0.48 | 8 | 10 | 5 | 0.45 | 0.3 | 0.5 | 16 |
| CSO-48 | 48 | Storage Tank (MG): | 4.65 | 41 | 46 | 23 | 0.75 | 1.4 | 2.6 | 74 |
| CSO-61 | 61 | Storage Tank (MG): | 0.59 | 8 | 9 | 5 | 0.35 | 0.3 | 0.5 | 15 |
| CSO-63 | 62 to 64 | Storage Tank (MG): | 0.55 | 8 | 10 | 5 | 0.30 | 0.3 | 0.6 | 16 |
| CSO-31 | - | Storage Tank, Gravity In/Out (MG): | 1.62 | 0.0 | 0.0 | 0.0 | 0.50 | 0.0 | 0.0 | 0.5 |
| CSO-34 | - | Storage Tank, Gravity In/Out (MG): | 0.62 | 0.0 | 0.9 | 0.4 | 0.00 | 0.0 | 0.0 | 1.4 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 5.7 | 2.8 | 0.15 | 0.2 | 0.3 | 9.2 |
| Total | | | 383 | 55 | 438 | 219 | 10.95 | 37.0 | 21.2 | 914 |

Project Cost Summary: MTA 2, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.34 | 7 | 8 | 4 | 0.20 | 0.2 | 0.4 | 12 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.50 | 21 | 25 | 12 | 0.25 | 0.8 | 1.4 | 40 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.56 | 21 | 24 | 12 | 0.30 | 0.7 | 1.4 | 38 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.89 | 23 | 27 | 13 | 0.30 | 0.8 | 1.5 | 43 |
| CSO-13 | 12 to 16 | Storage Tank (MG): | 0.29 | 6 | 9 | 5 | 0.50 | 0.3 | 0.5 | 15 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.31 | 6 | 9 | 5 | 0.20 | 0.3 | 0.5 | 15 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 0.55 | 8 | 10 | 5 | 0.30 | 0.3 | 0.6 | 17 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.05 | 5 | 5 | 3 | 0.30 | 0.2 | 0.3 | 9 |
| CSO-21 | 21 | Storage Tank (MG): | 0.07 | 5 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-24 | 24 | Storage Tank (MG): | 0.06 | 5 | 5 | 3 | 1.00 | 0.2 | 0.3 | 9 |
| CSO-28 | 28 | Storage Tank (MG): | 0.08 | 5 | 5 | 3 | 0.90 | 0.2 | 0.3 | 9 |
| CSO-26 | 26 | Storage Tank (MG): | 0.23 | 6 | 6 | 3 | 0.15 | 0.2 | 0.4 | 10 |
| CSO-37 | 37 | Storage Tank (MG): | 0.03 | 5 | 5 | 2 | 0.60 | 0.2 | 0.3 | 8 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.33 | 7 | 8 | 4 | 1.20 | 0.2 | 0.4 | 14 |
| CSO-34 | 34 | Storage Tank (MG): | 0.21 | 6 | 7 | 3 | 0.15 | 0.2 | 0.4 | 11 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.32 | 6 | 7 | 4 | 0.65 | 0.2 | 0.4 | 12 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 0.94 | 11 | 12 | 6 | 0.60 | 0.4 | 0.7 | 19 |
| CSO-44 | 44 to 46 | Storage Tank (MG): | 0.21 | 6 | 7 | 4 | 0.45 | 0.2 | 0.4 | 12 |
| CSO-48 | 48 | Storage Tank (MG): | 0.99 | 11 | 12 | 6 | 0.75 | 0.4 | 0.7 | 21 |
| CSO-61 | 61 | Storage Tank (MG): | 0.19 | 6 | 6 | 3 | 0.35 | 0.2 | 0.4 | 10 |
| CSO-63 | 62 to 64 | Storage Tank (MG): | 0.19 | 6 | 7 | 4 | 0.30 | 0.2 | 0.4 | 12 |
| CSO-31 | - | Storage Tank, Gravity In/Out (MG): | 1.62 | 0.0 | 0.0 | 0.0 | 0.50 | 0.0 | 0.0 | 0.5 |
| CSO-34 | - | Storage Tank, Gravity In/Out (MG): | 0.62 | 0.0 | 0.9 | 0.4 | 0.00 | 0.0 | 0.0 | 1.4 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 5.7 | 2.8 | 0.15 | 0.2 | 0.3 | 9.2 |
| Total | | | 243 | 39 | 282 | 141 | 10.45 | 32.2 | 12.3 | 664 |

Project Cost Summary: MTA 2, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.24 | 6 | 7 | 3 | 0.20 | 0.2 | 0.4 | 11 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.09 | 18 | 22 | 11 | 0.25 | 0.7 | 1.2 | 35 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.14 | 19 | 21 | 10 | 0.30 | 0.6 | 1.2 | 33 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.83 | 23 | 26 | 13 | 0.30 | 0.8 | 1.5 | 42 |
| CSO-13 | 12 to 14 | Storage Tank (MG): | 0.18 | 6 | 7 | 4 | 0.50 | 0.2 | 0.4 | 12 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 0.24 | 6 | 8 | 4 | 0.20 | 0.3 | 0.5 | 14 |
| CSO-57 | 17 to 19 | Storage Tank (MG): | 0.36 | 7 | 9 | 4 | 0.30 | 0.3 | 0.5 | 14 |
| CSO-21 | 21 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-24 | 24 | Storage Tank (MG): | 0.03 | 5 | 5 | 2 | 1.00 | 0.1 | 0.3 | 9 |
| CSO-28 | 28 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.90 | 0.2 | 0.3 | 9 |
| CSO-26 | 26 | Storage Tank (MG): | 0.12 | 5 | 6 | 3 | 0.15 | 0.2 | 0.3 | 9 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.19 | 6 | 7 | 3 | 1.20 | 0.2 | 0.4 | 12 |
| CSO-34 | 34 | Storage Tank (MG): | 0.11 | 5 | 6 | 3 | 0.15 | 0.2 | 0.3 | 9 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.17 | 6 | 6 | 3 | 0.65 | 0.2 | 0.3 | 10 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 0.62 | 8 | 9 | 5 | 0.60 | 0.3 | 0.5 | 16 |
| CSO-44 | 44 to 46 | Storage Tank (MG): | 0.12 | 5 | 7 | 3 | 0.45 | 0.2 | 0.4 | 11 |
| CSO-48 | 48 | Storage Tank (MG): | 0.65 | 9 | 10 | 5 | 0.75 | 0.3 | 0.6 | 16 |
| CSO-61 | 61 | Storage Tank (MG): | 0.11 | 5 | 6 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-63 | 62 to 64 | Storage Tank (MG): | 0.12 | 5 | 7 | 3 | 0.30 | 0.2 | 0.4 | 11 |
| CSO-31 | - | Storage Tank, Gravity In/Out (MG): | 1.62 | 0.0 | 0.0 | 0.0 | 0.50 | 0.0 | 0.0 | 0.5 |
| CSO-34 | - | Storage Tank, Gravity In/Out (MG): | 0.62 | 0.0 | 0.9 | 0.4 | 0.00 | 0.0 | 0.0 | 1.4 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 5.7 | 2.8 | 0.15 | 0.2 | 0.3 | 9.2 |
| Total | | | 216 | 32 | 247 | 124 | 9.55 | 31.1 | 10.4 | 608 |

Project Cost Summary: MTA 2, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-51.1 | 51 | Storage Tank (MG): | 1.14 | 19 | 19 | 10 | 0.25 | 0.6 | 1.1 | 31 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.14 | 19 | 20 | 10 | 0.30 | 0.6 | 1.2 | 33 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.68 | 22 | 25 | 12 | 0.30 | 0.8 | 1.4 | 39 |
| CSO-57 | 57 to 18 | Storage Tank (MG): | 0.15 | 5 | 6 | 3 | 0.30 | 0.2 | 0.3 | 9 |
| CSO-26 | 26 | Storage Tank (MG): | 0.03 | 5 | 5 | 2 | 0.15 | 0.1 | 0.3 | 8 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.04 | 5 | 6 | 3 | 0.70 | 0.2 | 0.3 | 10 |
| CSO-40 | 39 to 40 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.65 | 0.2 | 0.3 | 8 |
| CSO-42 | 42 to 43 | Storage Tank (MG): | 0.34 | 7 | 7 | 4 | 0.60 | 0.2 | 0.4 | 12 |
| CSO-48 | 48 | Storage Tank (MG): | 0.27 | 6 | 7 | 3 | 0.75 | 0.2 | 0.4 | 11 |
| CSO-34 | - | Storage Tank, Gravity In/Out (MG): | 0.62 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 |
| Total | | | 155 | 8 | 163 | 81 | 4.00 | 28.5 | 5.6 | 468 |

Project Cost Summary: MTA 2, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|------------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-51.1 | 51 | Storage Tank (MG): | 1.07 | 18 | 19 | 9 | 0.25 | 0.6 | 1.1 | 30 |
| CSO-08 | 07 to 08 | Storage Tank (MG): | 0.95 | 11 | 12 | 6 | 0.30 | 0.4 | 0.7 | 19 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.31 | 20 | 22 | 11 | 0.30 | 0.7 | 1.2 | 35 |
| CSO-42 | 42 to 59 | Storage Tank (MG): | 0.14 | 5 | 6 | 3 | 0.60 | 0.2 | 0.4 | 11 |
| CSO-34 | - | Storage Tank, Gravity In/Out (MG): | 0.62 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 |
| CSO-44 | - | Storage Tank, Gravity In/Out (MG): | 0.56 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 |
| Total | | | 117 | 5 | 123 | 61 | 1.45 | 27.2 | 3.3 | 402 |

Project Cost Summary: MTA 3, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.83 | 23 | 25 | 13 | 0.20 | 0.8 | 1.4 | 40 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 4.27 | 38 | 44 | 22 | 0.25 | 1.4 | 2.5 | 71 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 3.48 | 33 | 38 | 19 | 0.30 | 1.2 | 2.1 | 60 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 5.89 | 48 | 54 | 27 | 0.30 | 1.7 | 3.1 | 86 |
| CSO-55 | 52 to 56 | Storage Tank (MG): | 1.00 | 18 | 22 | 11 | 0.20 | 0.7 | 1.2 | 34 |
| CSO-22 | 22 | Storage Tank (MG): | 0.09 | 5 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-23 | 23 to 25 | Storage Tank (MG): | 0.10 | 5 | 6 | 3 | 0.80 | 0.2 | 0.4 | 11 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 1.36 | 20 | 22 | 11 | 0.65 | 0.7 | 1.2 | 35 |
| CSO-13 | 12 to 16 | Screening & Disinfection (MGD): | 52.59 | 12 | 16 | 8 | 0.50 | 1.0 | 1.8 | 27 |
| CSO-57 | 17 to 19 | Screening & Disinfection (MGD): | 46.76 | 11 | 14 | 7 | 0.30 | 0.9 | 1.6 | 24 |
| CSO-58 | 58 to 20 | Screening & Disinfection (MGD): | 6.20 | 4 | 5 | 2 | 0.30 | 0.3 | 0.6 | 9 |
| CSO-21 | 21 | Retention Treatment Basin (MGD): | 18.70 | 12 | 24 | 12 | 0.35 | 2.1 | 2.7 | 41 |
| CSO-24 | 24 | Retention Treatment Basin (MGD): | 20.99 | 13 | 26 | 13 | 1.00 | 2.2 | 2.9 | 44 |
| CSO-28 | 28 | Retention Treatment Basin (MGD): | 18.41 | 12 | 24 | 12 | 0.90 | 2.1 | 2.7 | 41 |
| CSO-26 | 26 | Retention Treatment Basin (MGD): | 10.09 | 10 | 17 | 8 | 0.15 | 1.5 | 1.9 | 28 |
| CSO-30 | 30 | Retention Treatment Basin (MGD): | 2.91 | 8 | 10 | 5 | 2.10 | 0.9 | 1.1 | 19 |
| CSO-37 | 37 | Retention Treatment Basin (MGD): | 20.73 | 13 | 13 | 7 | 0.60 | 1.2 | 1.5 | 23 |
| CSO-29 | 29 to 33 | Retention Treatment Basin (MGD): | 76.84 | 24 | 66 | 33 | 0.70 | 5.8 | 7.5 | 114 |
| CSO-34 | 34 | Retention Treatment Basin (MGD): | 44.86 | 18 | 43 | 22 | 0.15 | 3.8 | 4.9 | 74 |
| CSO-42 | 42 to 43 | Retention Treatment Basin (MGD): | 74.27 | 23 | 64 | 32 | 0.60 | 5.6 | 7.2 | 109 |
| CSO-45 | 44 to 46 | Retention Treatment Basin (MGD): | 55.27 | 20 | 22 | 11 | 0.20 | 2.0 | 2.5 | 38 |
| CSO-48 | 48 | Retention Treatment Basin (MGD): | 181.29 | 42 | 47 | 24 | 0.75 | 4.1 | 5.3 | 81 |
| CSO-61 | 61 | Retention Treatment Basin (MGD): | 40.40 | 17 | 18 | 9 | 0.35 | 1.6 | 2.1 | 31 |
| CSO-63 | 62 to 64 | Retention Treatment Basin (MGD): | 25.71 | 14 | 16 | 8 | 0.30 | 1.4 | 1.8 | 27 |
| Total | | | 506 | 199 | 705 | 352 | 12.30 | 68.3 | 60.3 | 1,385 |

Project Cost Summary: MTA 3, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.15 | 19 | 20 | 10 | 0.20 | 0.6 | 1.2 | 33 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 2.70 | 28 | 34 | 17 | 0.25 | 1.0 | 1.9 | 54 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 2.10 | 25 | 28 | 14 | 0.30 | 0.9 | 1.6 | 45 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 3.46 | 33 | 38 | 19 | 0.30 | 1.2 | 2.1 | 60 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.11 | 5 | 6 | 3 | 0.30 | 0.2 | 0.3 | 10 |
| CSO-22 | 22 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-23 | 23 to 25 | Storage Tank (MG): | 0.06 | 5 | 6 | 3 | 0.80 | 0.2 | 0.3 | 10 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.76 | 9 | 11 | 5 | 0.65 | 0.3 | 0.6 | 18 |
| CSO-13 | 12 to 16 | Screening & Disinfection (MGD): | 34.42 | 9 | 13 | 6 | 0.50 | 0.8 | 1.4 | 22 |
| CSO-55 | 52 to 56 | Screening & Disinfection (MGD): | 30.27 | 8 | 11 | 6 | 0.20 | 0.7 | 1.3 | 19 |
| CSO-57 | 17 to 19 | Screening & Disinfection (MGD): | 31.87 | 9 | 11 | 6 | 0.30 | 0.7 | 1.3 | 19 |
| CSO-21 | 21 | Retention Treatment Basin (MGD): | 12.89 | 11 | 19 | 10 | 0.35 | 1.7 | 2.2 | 33 |
| CSO-24 | 24 | Retention Treatment Basin (MGD): | 15.89 | 11 | 21 | 11 | 1.00 | 1.9 | 2.4 | 38 |
| CSO-28 | 28 | Retention Treatment Basin (MGD): | 12.83 | 11 | 19 | 9 | 0.90 | 1.7 | 2.1 | 33 |
| CSO-26 | 26 | Retention Treatment Basin (MGD): | 10.05 | 10 | 17 | 8 | 0.15 | 1.5 | 1.9 | 28 |
| CSO-37 | 37 | Retention Treatment Basin (MGD): | 13.23 | 11 | 11 | 6 | 0.60 | 1.0 | 1.3 | 20 |
| CSO-29 | 29 to 33 | Retention Treatment Basin (MGD): | 60.97 | 21 | 56 | 28 | 0.70 | 4.9 | 6.3 | 95 |
| CSO-34 | 34 | Retention Treatment Basin (MGD): | 34.04 | 16 | 35 | 18 | 0.15 | 3.1 | 4.0 | 60 |
| CSO-42 | 42 to 43 | Retention Treatment Basin (MGD): | 55.11 | 20 | 51 | 25 | 0.60 | 4.4 | 5.7 | 87 |
| CSO-45 | 44 to 46 | Retention Treatment Basin (MGD): | 34.04 | 16 | 18 | 9 | 0.20 | 1.5 | 2.0 | 30 |
| CSO-48 | 48 | Retention Treatment Basin (MGD): | 138.06 | 35 | 39 | 19 | 0.75 | 3.4 | 4.4 | 67 |
| CSO-61 | 61 | Retention Treatment Basin (MGD): | 27.08 | 14 | 15 | 7 | 0.35 | 1.3 | 1.7 | 26 |
| CSO-63 | 62 to 64 | Retention Treatment Basin (MGD): | 20.14 | 12 | 14 | 7 | 0.30 | 1.3 | 1.6 | 25 |
| Total | | | 406 | 156 | 561 | 281 | 10.20 | 59.6 | 47.9 | 1,146 |

Project Cost Summary: MTA 3, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.35 | 7 | 8 | 4 | 0.20 | 0.2 | 0.4 | 13 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.55 | 21 | 25 | 13 | 0.25 | 0.8 | 1.4 | 40 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.62 | 22 | 24 | 12 | 0.30 | 0.8 | 1.4 | 39 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 2.56 | 28 | 31 | 16 | 0.30 | 1.0 | 1.8 | 50 |
| CSO-58 | 58 to 20 | Storage Tank (MG): | 0.05 | 5 | 5 | 3 | 0.30 | 0.2 | 0.3 | 9 |
| CSO-21 | 21 | Storage Tank (MG): | 0.07 | 5 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-24 | 24 | Storage Tank (MG): | 0.06 | 5 | 5 | 3 | 1.00 | 0.2 | 0.3 | 9 |
| CSO-28 | 28 | Storage Tank (MG): | 0.08 | 5 | 5 | 3 | 0.90 | 0.2 | 0.3 | 9 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.32 | 6 | 7 | 4 | 0.65 | 0.2 | 0.4 | 12 |
| CSO-13 | 12 to 16 | Screening & Disinfection (MGD): | 11.38 | 5 | 8 | 4 | 0.50 | 0.5 | 0.9 | 14 |
| CSO-55 | 52 to 56 | Screening & Disinfection (MGD): | 17.46 | 6 | 9 | 4 | 0.20 | 0.5 | 1.0 | 15 |
| CSO-57 | 57 to 19 | Screening & Disinfection (MGD): | 12.99 | 6 | 6 | 3 | 0.30 | 0.4 | 0.7 | 10 |
| CSO-26 | 26 | Retention Treatment Basin (MGD): | 9.74 | 10 | 16 | 8 | 0.15 | 1.4 | 1.8 | 28 |
| CSO-37 | 37 | Retention Treatment Basin (MGD): | 3.09 | 8 | 8 | 4 | 0.60 | 0.7 | 0.9 | 14 |
| CSO-29 | 29 to 33 | Retention Treatment Basin (MGD): | 24.37 | 13 | 29 | 15 | 0.70 | 2.6 | 3.3 | 51 |
| CSO-34 | 34 | Retention Treatment Basin (MGD): | 21.97 | 13 | 26 | 13 | 0.15 | 2.3 | 3.0 | 45 |
| CSO-42 | 42 to 43 | Retention Treatment Basin (MGD): | 25.00 | 14 | 29 | 14 | 0.60 | 2.5 | 3.3 | 50 |
| CSO-45 | 44 to 46 | Retention Treatment Basin (MGD): | 24.72 | 14 | 15 | 8 | 0.20 | 1.3 | 1.7 | 26 |
| CSO-48 | 48 | Retention Treatment Basin (MGD): | 38.68 | 17 | 18 | 9 | 0.75 | 1.5 | 2.0 | 31 |
| CSO-61 | 61 | Retention Treatment Basin (MGD): | 16.22 | 12 | 12 | 6 | 0.35 | 1.1 | 1.4 | 21 |
| CSO-63 | 62 to 64 | Retention Treatment Basin (MGD): | 11.88 | 10 | 12 | 6 | 0.30 | 1.1 | 1.4 | 21 |
| Total | | | 294 | 76 | 369 | 185 | 9.05 | 44.9 | 27.9 | 822 |

Project Cost Summary: MTA 3, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.28 | 6 | 7 | 4 | 0.20 | 0.2 | 0.4 | 12 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.18 | 19 | 23 | 11 | 0.25 | 0.7 | 1.3 | 36 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.24 | 19 | 21 | 11 | 0.30 | 0.7 | 1.2 | 34 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.99 | 24 | 27 | 14 | 0.30 | 0.8 | 1.5 | 43 |
| CSO-21 | 21 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-24 | 24 | Storage Tank (MG): | 0.03 | 5 | 5 | 2 | 1.00 | 0.1 | 0.3 | 9 |
| CSO-28 | 28 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.90 | 0.2 | 0.3 | 9 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.17 | 6 | 6 | 3 | 0.65 | 0.2 | 0.3 | 10 |
| CSO-13 | 12 to 14 | Screening & Disinfection (MGD): | 5.88 | 4 | 5 | 3 | 0.50 | 0.3 | 0.6 | 10 |
| CSO-55 | 52 to 56 | Screening & Disinfection (MGD): | 9.92 | 5 | 7 | 4 | 0.20 | 0.4 | 0.8 | 12 |
| CSO-57 | 57 to 19 | Screening & Disinfection (MGD): | 8.76 | 5 | 5 | 2 | 0.30 | 0.3 | 0.6 | 9 |
| CSO-26 | 26 | Retention Treatment Basin (MGD): | 6.25 | 9 | 13 | 7 | 0.15 | 1.2 | 1.5 | 23 |
| CSO-29 | 29 to 33 | Retention Treatment Basin (MGD): | 15.85 | 11 | 23 | 11 | 0.70 | 2.0 | 2.6 | 39 |
| CSO-34 | 34 | Retention Treatment Basin (MGD): | 12.75 | 11 | 19 | 9 | 0.15 | 1.7 | 2.1 | 32 |
| CSO-42 | 42 to 43 | Retention Treatment Basin (MGD): | 17.74 | 12 | 23 | 12 | 0.60 | 2.0 | 2.6 | 40 |
| CSO-45 | 44 to 46 | Retention Treatment Basin (MGD): | 13.55 | 11 | 12 | 6 | 0.20 | 1.1 | 1.4 | 21 |
| CSO-48 | 48 | Retention Treatment Basin (MGD): | 27.68 | 14 | 15 | 8 | 0.75 | 1.3 | 1.7 | 26 |
| CSO-61 | 61 | Retention Treatment Basin (MGD): | 8.03 | 9 | 10 | 5 | 0.35 | 0.8 | 1.1 | 17 |
| CSO-63 | 62 to 64 | Retention Treatment Basin (MGD): | 6.45 | 9 | 10 | 5 | 0.30 | 0.9 | 1.2 | 18 |
| Total | | | 252 | 54 | 305 | 153 | 8.15 | 40.5 | 21.7 | 715 |

Project Cost Summary: MTA 3, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.41 | 20 | 22 | 11 | 0.30 | 0.7 | 1.3 | 36 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 2.07 | 24 | 27 | 14 | 0.30 | 0.8 | 1.5 | 44 |
| CSO-57 | 57 to 18 | Storage Tank (MG): | 0.19 | 6 | 6 | 3 | 0.30 | 0.2 | 0.3 | 10 |
| CSO-26 | 26 | Storage Tank (MG): | 0.03 | 5 | 5 | 2 | 0.15 | 0.1 | 0.3 | 8 |
| CSO-29 | 29 | Storage Tank (MG): | 0.03 | 5 | 5 | 2 | 0.70 | 0.1 | 0.3 | 8 |
| CSO-40 | 39 to 38 | Storage Tank (MG): | 0.05 | 5 | 5 | 2 | 0.65 | 0.2 | 0.3 | 8 |
| CSO-51.1 | 51 | Screening & Disinfection (MGD): | 4.85 | 4 | 4 | 2 | 0.25 | 0.3 | 0.5 | 7 |
| CSO-34 | 34 | Retention Treatment Basin (MGD): | 5.07 | 9 | 12 | 6 | 0.15 | 1.1 | 1.4 | 21 |
| CSO-42 | 42 to 43 | Retention Treatment Basin (MGD): | 6.10 | 9 | 13 | 7 | 0.60 | 1.2 | 1.5 | 23 |
| CSO-45 | 44 to 46 | Retention Treatment Basin (MGD): | 4.86 | 9 | 10 | 5 | 0.20 | 0.8 | 1.1 | 16 |
| CSO-48 | 48 | Retention Treatment Basin (MGD): | 7.03 | 9 | 9 | 5 | 0.75 | 0.8 | 1.1 | 17 |
| Total | | | 167 | 15 | 182 | 91 | 4.35 | 31.7 | 9.4 | 504 |

Project Cost Summary: MTA 3, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-51.1 | 51 | Storage Tank (MG): | 1.07 | 18 | 19 | 9 | 0.25 | 0.6 | 1.1 | 30 |
| CSO-08 | 07 to 08 | Storage Tank (MG): | 0.95 | 11 | 12 | 6 | 0.30 | 0.4 | 0.7 | 19 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.31 | 20 | 22 | 11 | 0.30 | 0.7 | 1.2 | 35 |
| CSO-34 | 34 | Retention Treatment Basin (MGD): | 3.58 | 8 | 11 | 5 | 0.15 | 0.9 | 1.2 | 19 |
| CSO-42 | 42 to 59 | Retention Treatment Basin (MGD): | 3.79 | 8 | 12 | 6 | 0.60 | 1.0 | 1.3 | 20 |
| CSO-44 | 44 | Retention Treatment Basin (MGD): | 2.03 | 8 | 8 | 4 | 0.45 | 0.7 | 0.9 | 14 |
| Total | | | 136 | 10 | 146 | 73 | 2.05 | 29.6 | 6.4 | 444 |

Project Cost Summary: MTA 4, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 2.30 | 26 | 28 | 14 | 0.20 | 0.9 | 1.6 | 45 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 2.30 | 26 | 33 | 16 | 0.15 | 1.0 | 1.9 | 53 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 3.08 | 31 | 38 | 19 | 0.30 | 1.2 | 2.1 | 60 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 1.14 | 19 | 20 | 10 | 0.80 | 0.6 | 1.2 | 33 |
| CSO-38 | 30 to 38 | Storage Tank (MG): | 1.04 | 18 | 23 | 12 | 0.85 | 0.7 | 1.4 | 38 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.85 | 23 | 29 | 14 | 0.30 | 0.9 | 1.6 | 46 |
| CSO-13 | 49 to 13 | Screening & Disinfection (MGD): | 237.59 | 34 | 55 | 27 | 0.50 | 3.4 | 6.2 | 92 |
| CSO-28 | 21 to 28 | Retention Treatment Basin (MGD): | 61.99 | 21 | 64 | 32 | 0.90 | 5.6 | 7.3 | 110 |
| CSO-40 | 29 to 40 | Retention Treatment Basin (MGD): | 144.74 | 36 | 113 | 56 | 0.65 | 9.8 | 12.8 | 192 |
| CSO-48 | 42 to 48 | Retention Treatment Basin (MGD): | 310.84 | 61 | 76 | 38 | 0.75 | 6.6 | 8.5 | 129 |
| Total | | | 358 | 185 | 543 | 271 | 5.40 | 56.2 | 44.6 | 1,107 |

Project Cost Summary: MTA 4, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.58 | 21 | 23 | 12 | 0.20 | 0.7 | 1.3 | 37 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.97 | 24 | 30 | 15 | 0.15 | 0.9 | 1.7 | 48 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.86 | 23 | 29 | 15 | 0.30 | 0.9 | 1.7 | 47 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 1.17 | 19 | 29 | 15 | 0.90 | 0.9 | 1.7 | 47 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.53 | 8 | 10 | 5 | 0.80 | 0.3 | 0.6 | 16 |
| CSO-38 | 30 to 38 | Storage Tank (MG): | 0.54 | 8 | 13 | 6 | 0.85 | 0.4 | 0.8 | 21 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.14 | 19 | 23 | 12 | 0.30 | 0.7 | 1.3 | 37 |
| CSO-13 | 49 to 13 | Screening & Disinfection (MGD): | 164.17 | 26 | 44 | 22 | 0.50 | 2.7 | 5.0 | 74 |
| CSO-40 | 29 to 40 | Retention Treatment Basin (MGD): | 112.72 | 30 | 93 | 46 | 0.65 | 8.1 | 10.5 | 158 |
| CSO-48 | 42 to 48 | Retention Treatment Basin (MGD): | 227.22 | 49 | 61 | 30 | 0.75 | 5.3 | 6.9 | 104 |
| Total | | | 290 | 128 | 418 | 209 | 5.40 | 46.4 | 31.3 | 897 |

Project Cost Summary: MTA 4, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|----------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.82 | 10 | 11 | 5 | 0.20 | 0.3 | 0.6 | 18 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.09 | 18 | 23 | 12 | 0.15 | 0.7 | 1.3 | 37 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.45 | 20 | 26 | 13 | 0.30 | 0.8 | 1.5 | 41 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 0.21 | 6 | 15 | 8 | 0.90 | 0.5 | 0.9 | 25 |
| CSO-38 | 37 to 38 | Storage Tank (MG): | 0.13 | 5 | 7 | 4 | 0.85 | 0.2 | 0.4 | 12 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 1.53 | 21 | 29 | 14 | 0.65 | 0.9 | 1.7 | 47 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 0.38 | 7 | 11 | 5 | 0.30 | 0.3 | 0.6 | 18 |
| CSO-13 | 49 to 13 | Screening & Disinfection (MGD): | 88.65 | 17 | 32 | 16 | 0.50 | 2.0 | 3.7 | 55 |
| CSO-48 | 42 to 48 | Retention Treatment Basin (MGD): | 88.41 | 26 | 34 | 17 | 0.75 | 2.9 | 3.8 | 58 |
| Total | | | 194 | 58 | 252 | 126 | 4.60 | 34.1 | 14.5 | 617 |

Project Cost Summary: MTA 4, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 14.51 | 0 | 6 | 3 | 0.00 | 0.1 | 0.0 | 9 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.82 | 1 | 11 | 5 | 0.20 | 0.3 | 0.6 | 17 |
| CSO-55 | 52 to 55 | Storage Tank (MG): | 0.75 | 2 | 12 | 6 | 0.20 | 0.4 | 0.7 | 19 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.36 | 5 | 25 | 13 | 0.30 | 0.8 | 1.4 | 40 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 0.10 | 4 | 9 | 5 | 0.90 | 0.3 | 0.6 | 16 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 0.88 | 7 | 17 | 9 | 0.65 | 0.5 | 1.0 | 28 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 1.56 | 7 | 29 | 14 | 0.75 | 0.9 | 1.6 | 46 |
| CSO-63 | 61 to 63 | Storage Tank (MG): | 0.22 | 3 | 9 | 4 | 0.30 | 0.3 | 0.5 | 14 |
| CSO-13 | 49 to 13 | Screening & Disinfection (MGD): | 62.54 | 15 | 28 | 14 | 0.50 | 1.8 | 3.2 | 48 |
| Total | | | 164 | 45 | 209 | 105 | 3.80 | 30.7 | 9.6 | 544 |

Project Cost Summary: MTA 4, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 14.51 | 0 | 6 | 3 | 0.00 | 0.1 | 0.0 | 9 |
| CSO-58 | 57 to 20 | Storage Tank (MG): | 2.57 | 2 | 30 | 15 | 0.30 | 0.9 | 1.7 | 47 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 0.27 | 5 | 11 | 6 | 0.65 | 0.4 | 0.7 | 19 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 0.77 | 6 | 15 | 8 | 0.75 | 0.5 | 0.9 | 25 |
| CSO-13 | 51 to 13 | Screening & Disinfection (MGD): | 24.99 | 9 | 17 | 8 | 0.50 | 1.0 | 1.9 | 28 |
| Total | | | 121 | 22 | 143 | 71 | 2.20 | 28.2 | 5.1 | 435 |

Project Cost Summary: MTA 4, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 14.51 | 6 | 6 | 3 | 0.00 | 0.1 | 0.0 | 9 |
| CSO-09 | 51 to 11 | Storage Tank (MG): | 3.34 | 32 | 41 | 21 | 0.30 | 1.3 | 2.3 | 66 |
| CSO-29 | 29 to 34 | Storage Tank (MG): | 0.10 | 5 | 7 | 3 | 0.70 | 0.2 | 0.4 | 12 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 0.20 | 6 | 10 | 5 | 0.75 | 0.3 | 0.6 | 16 |
| Total | | | 113 | 14 | 128 | 64 | 1.75 | 27.2 | 3.3 | 410 |

Project Cost Summary: MTA 4B, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.77 | 23 | 25 | 12 | 0.20 | 0.8 | 1.4 | 40 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 13.02 | 88 | 112 | 56 | 0.50 | 3.5 | 6.4 | 179 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.78 | 23 | 30 | 15 | 0.15 | 0.9 | 1.7 | 47 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 2.40 | 27 | 33 | 17 | 0.30 | 1.0 | 1.9 | 53 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 2.29 | 26 | 37 | 19 | 0.90 | 1.2 | 2.2 | 61 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 1.13 | 18 | 20 | 10 | 0.80 | 0.6 | 1.2 | 33 |
| CSO-38 | 30 to 38 | Storage Tank (MG): | 1.01 | 18 | 22 | 11 | 0.85 | 0.7 | 1.3 | 36 |
| CSO-40 | 29 to 40 | Storage Tank (MG): | 6.82 | 54 | 64 | 32 | 0.65 | 2.0 | 3.6 | 102 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 14.75 | 97 | 116 | 58 | 0.75 | 3.6 | 6.6 | 185 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.77 | 23 | 28 | 14 | 0.30 | 0.9 | 1.6 | 45 |
| Total | | | 459 | 92 | 551 | 276 | 5.40 | 40.6 | 27.8 | 1,088 |

Project Cost Summary: MTA 4B, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.07 | 18 | 20 | 10 | 0.20 | 0.6 | 1.1 | 32 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 7.73 | 59 | 79 | 40 | 0.50 | 2.5 | 4.5 | 126 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.34 | 20 | 26 | 13 | 0.15 | 0.8 | 1.5 | 41 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.31 | 20 | 26 | 13 | 0.30 | 0.8 | 1.5 | 41 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 1.20 | 19 | 30 | 15 | 0.90 | 0.9 | 1.7 | 48 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.52 | 8 | 9 | 5 | 0.80 | 0.3 | 0.6 | 16 |
| CSO-38 | 30 to 38 | Storage Tank (MG): | 0.53 | 8 | 12 | 6 | 0.85 | 0.4 | 0.7 | 20 |
| CSO-40 | 29 to 40 | Storage Tank (MG): | 3.66 | 34 | 43 | 21 | 0.65 | 1.3 | 2.5 | 69 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 8.27 | 62 | 78 | 39 | 0.75 | 2.4 | 4.4 | 124 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.05 | 18 | 23 | 11 | 0.30 | 0.7 | 1.3 | 37 |
| Total | | | 329 | 79 | 409 | 204 | 5.40 | 36.1 | 19.7 | 861 |

Project Cost Summary: MTA 4B, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.34 | 7 | 8 | 4 | 0.20 | 0.2 | 0.4 | 12 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 4.64 | 41 | 58 | 29 | 0.50 | 1.8 | 3.3 | 92 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 0.47 | 7 | 12 | 6 | 0.15 | 0.4 | 0.7 | 20 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 0.65 | 9 | 14 | 7 | 0.30 | 0.4 | 0.8 | 22 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 0.24 | 6 | 15 | 8 | 0.90 | 0.5 | 0.9 | 25 |
| CSO-38 | 37 to 38 | Storage Tank (MG): | 0.13 | 5 | 7 | 4 | 0.85 | 0.2 | 0.4 | 12 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 1.54 | 21 | 29 | 14 | 0.65 | 0.9 | 1.7 | 47 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 2.47 | 27 | 36 | 18 | 0.75 | 1.1 | 2.0 | 57 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 0.37 | 7 | 11 | 5 | 0.30 | 0.3 | 0.6 | 18 |
| Total | | | 193 | 60 | 253 | 127 | 4.60 | 31.3 | 10.9 | 613 |

Project Cost Summary: MTA 4B, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 14.51 | 0 | 6 | 3 | 0.00 | 0.1 | 0.0 | 9 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.22 | 1 | 7 | 3 | 0.20 | 0.2 | 0.4 | 11 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 3.33 | 16 | 49 | 24 | 0.50 | 1.5 | 2.8 | 78 |
| CSO-55 | 52 to 55 | Storage Tank (MG): | 0.23 | 2 | 8 | 4 | 0.20 | 0.2 | 0.5 | 13 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 0.47 | 5 | 12 | 6 | 0.30 | 0.4 | 0.7 | 20 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 0.13 | 4 | 10 | 5 | 0.90 | 0.3 | 0.6 | 16 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 0.86 | 7 | 17 | 9 | 0.65 | 0.5 | 1.0 | 28 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 1.56 | 7 | 29 | 14 | 0.75 | 0.9 | 1.6 | 46 |
| CSO-63 | 61 to 63 | Storage Tank (MG): | 0.25 | 3 | 9 | 4 | 0.30 | 0.3 | 0.5 | 15 |
| Total | | | 164 | 46 | 210 | 105 | 3.80 | 29.8 | 8.1 | 543 |

Project Cost Summary: MTA 4B, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 14.51 | 0 | 6 | 3 | 0.00 | 0.1 | 0.0 | 9 |
| CSO-13 | 51 to 13 | Storage Tank (MG): | 3.23 | 10 | 42 | 21 | 0.50 | 1.3 | 2.4 | 67 |
| CSO-58 | 57 to 20 | Storage Tank (MG): | 0.24 | 3 | 9 | 5 | 0.30 | 0.3 | 0.5 | 15 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 0.26 | 6 | 12 | 6 | 0.65 | 0.4 | 0.7 | 20 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 0.80 | 6 | 15 | 8 | 0.75 | 0.5 | 0.9 | 25 |
| Total | | | 123 | 25 | 149 | 74 | 2.20 | 27.9 | 4.5 | 443 |

Project Cost Summary: MTA 4B, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 14.51 | 0 | 6 | 3 | 0.00 | 0.1 | 0.0 | 9 |
| CSO-11 | 51 to 11 | Storage Tank (MG): | 2.79 | 9 | 38 | 19 | 0.30 | 1.2 | 2.2 | 61 |
| CSO-58 | 58 | Storage Tank (MG): | 0.06 | 0 | 5 | 2 | 0.30 | 0.2 | 0.3 | 8 |
| CSO-29 | 29 to 34 | Storage Tank (MG): | 0.10 | 2 | 7 | 3 | 0.70 | 0.2 | 0.4 | 12 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 0.20 | 4 | 10 | 5 | 0.75 | 0.3 | 0.6 | 16 |
| Total | | | 115 | 15 | 129 | 65 | 2.05 | 27.3 | 3.4 | 413 |

Project Cost Summary: MTA 5, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Storage Tunnel (MG): | 80.45 | 507 | 507 | 253 | 0.00 | 31.6 | 28.7 | 820 |
| | | Total | 570 | 0 | 570 | 285 | 0.00 | 56.9 | 28.7 | 1,127 |

Project Cost Summary: MTA 5, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Storage Tunnel (MG): | 53.78 | 303 | 303 | 151 | 0.00 | 18.9 | 17.1 | 490 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.60 | 21 | 23 | 12 | 0.20 | 0.7 | 1.3 | 37 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 3.74 | 35 | 40 | 20 | 0.25 | 1.3 | 2.3 | 65 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 1.17 | 19 | 29 | 15 | 0.90 | 0.9 | 1.7 | 47 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.53 | 8 | 10 | 5 | 0.80 | 0.3 | 0.6 | 16 |
| Total | | | 449 | 20 | 469 | 234 | 2.15 | 47.4 | 23.0 | 962 |

Project Cost Summary: MTA 5, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Storage Tunnel (MG): | 37.54 | 126 | 126 | 63 | 0.00 | 7.9 | 7.1 | 204 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.36 | 7 | 8 | 4 | 0.20 | 0.2 | 0.4 | 13 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.56 | 21 | 25 | 13 | 0.25 | 0.8 | 1.4 | 40 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.63 | 22 | 24 | 12 | 0.30 | 0.8 | 1.4 | 39 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 2.56 | 28 | 31 | 16 | 0.30 | 1.0 | 1.8 | 50 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 0.21 | 6 | 15 | 8 | 0.90 | 0.5 | 0.9 | 25 |
| CSO-26 | 26 | Storage Tank (MG): | 0.23 | 6 | 6 | 3 | 0.15 | 0.2 | 0.4 | 10 |
| CSO-29 | 29 | Storage Tank (MG): | 0.20 | 6 | 6 | 3 | 0.70 | 0.2 | 0.4 | 10 |
| Total | | | 284 | 22 | 306 | 153 | 2.80 | 36.8 | 13.8 | 698 |

Project Cost Summary: MTA 5, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Storage Tunnel (MG): | 25.77 | 84 | 84 | 42 | 0.00 | 5.3 | 4.8 | 136 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.25 | 6 | 7 | 3 | 0.20 | 0.2 | 0.4 | 11 |
| CSO-51.1 | 49 to 51 | Storage Tank (MG): | 1.13 | 18 | 22 | 11 | 0.25 | 0.7 | 1.3 | 36 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.19 | 19 | 21 | 11 | 0.30 | 0.7 | 1.2 | 34 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.91 | 23 | 27 | 13 | 0.30 | 0.8 | 1.5 | 43 |
| CSO-13 | 12 to 14 | Storage Tank (MG): | 0.18 | 6 | 7 | 4 | 0.50 | 0.2 | 0.4 | 12 |
| CSO-55 | 52 to 55 | Storage Tank (MG): | 0.23 | 6 | 8 | 4 | 0.20 | 0.2 | 0.5 | 13 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 0.10 | 5 | 9 | 5 | 0.90 | 0.3 | 0.6 | 16 |
| CSO-26 | 26 | Storage Tank (MG): | 0.12 | 5 | 6 | 3 | 0.15 | 0.2 | 0.3 | 9 |
| CSO-29 | 29 to 33 | Storage Tank (MG): | 0.35 | 7 | 9 | 4 | 0.70 | 0.3 | 0.5 | 14 |
| Total | | | 243 | 20 | 263 | 132 | 3.50 | 34.2 | 11.4 | 630 |

Project Cost Summary: MTA 5, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Storage Tunnel (MG): | 14.46 | 0 | 63 | 31 | 0.00 | 3.9 | 3.6 | 102 |
| CSO-51.1 | 51 | Storage Tank (MG): | 1.17 | 1 | 19 | 10 | 0.25 | 0.6 | 1.1 | 31 |
| CSO-08 | 06 to 08 | Storage Tank (MG): | 1.17 | 2 | 21 | 10 | 0.30 | 0.6 | 1.2 | 33 |
| CSO-09 | 09 to 11 | Storage Tank (MG): | 1.72 | 3 | 25 | 12 | 0.30 | 0.8 | 1.4 | 40 |
| CSO-26 | 26 | Storage Tank (MG): | 0.03 | 0 | 5 | 2 | 0.15 | 0.1 | 0.3 | 8 |
| CSO-40 | 29 to 40 | Storage Tank (MG): | 0.24 | 4 | 10 | 5 | 0.65 | 0.3 | 0.6 | 16 |
| Total | | | 197 | 9 | 206 | 103 | 1.65 | 31.7 | 8.1 | 536 |

Project Cost Summary: MTA 6, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 36.89 | 0 | 14 | 7 | 0.00 | 0.2 | 0.0 | 22 |
| - | - | PCI Wet Weather RTB (MGD): | 70.00 | 46 | 62 | 31 | 4.50 | 4.7 | 5.9 | 108 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.82 | 2 | 25 | 13 | 0.20 | 0.8 | 1.4 | 41 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 11.74 | 23 | 105 | 52 | 0.50 | 3.3 | 6.0 | 167 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.02 | 6 | 24 | 12 | 0.15 | 0.7 | 1.4 | 38 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.65 | 6 | 28 | 14 | 0.30 | 0.9 | 1.6 | 45 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 2.11 | 11 | 36 | 18 | 0.90 | 1.1 | 2.1 | 58 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.84 | 2 | 12 | 6 | 0.80 | 0.4 | 0.7 | 19 |
| CSO-37 | 37 | Storage Tank (MG): | 0.43 | 1 | 8 | 4 | 0.60 | 0.3 | 0.5 | 13 |
| CSO-40 | 29 to 40 | Storage Tank (MG): | 4.47 | 9 | 49 | 24 | 0.65 | 1.5 | 2.8 | 78 |
| CSO-44 | 42 to 44 | Storage Tank (MG): | 3.47 | 7 | 40 | 20 | 0.45 | 1.2 | 2.3 | 64 |
| CSO-48 | 48 | Storage Tank (MG): | 5.38 | 7 | 52 | 26 | 0.75 | 1.6 | 3.0 | 83 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.76 | 6 | 28 | 14 | 0.30 | 0.9 | 1.6 | 45 |
| Total | | | 420 | 126 | 546 | 273 | 10.10 | 42.9 | 29.1 | 1,088 |

Project Cost Summary: MTA 6, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 36.89 | 0 | 14 | 7 | 0.00 | 0.2 | 0.0 | 22 |
| - | - | PCI Wet Weather RTB (MGD): | 70.00 | 46 | 62 | 31 | 4.50 | 4.7 | 5.9 | 108 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.86 | 2 | 12 | 6 | 0.20 | 0.4 | 0.7 | 19 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 6.88 | 20 | 74 | 37 | 0.50 | 2.3 | 4.2 | 118 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 0.46 | 5 | 12 | 6 | 0.15 | 0.4 | 0.7 | 19 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.07 | 6 | 24 | 12 | 0.30 | 0.7 | 1.4 | 38 |
| CSO-28 | 21 to 28 | Storage Tank (MG): | 1.16 | 11 | 29 | 15 | 0.90 | 0.9 | 1.7 | 47 |
| CSO-23 | 23 to 26 | Storage Tank (MG): | 0.44 | 2 | 9 | 4 | 0.80 | 0.3 | 0.5 | 15 |
| CSO-37 | 37 | Storage Tank (MG): | 0.21 | 1 | 6 | 3 | 0.60 | 0.2 | 0.4 | 11 |
| CSO-40 | 29 to 40 | Storage Tank (MG): | 2.87 | 8 | 37 | 19 | 0.65 | 1.2 | 2.1 | 60 |
| CSO-44 | 42 to 44 | Storage Tank (MG): | 2.22 | 5 | 30 | 15 | 0.45 | 0.9 | 1.7 | 49 |
| CSO-48 | 48 | Storage Tank (MG): | 4.07 | 6 | 43 | 22 | 0.75 | 1.3 | 2.5 | 69 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.03 | 5 | 23 | 11 | 0.30 | 0.7 | 1.3 | 36 |
| Total | | | 325 | 115 | 439 | 220 | 10.10 | 39.5 | 23.1 | 919 |

Project Cost Summary: MTA 6, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 0 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | Sewer Separation (ac): | 7.13 | 0 | 2 | 1 | 0.00 | 0.0 | 0.0 | 4 |
| - | - | PCI Wet Weather RTB (MGD): | 70.00 | 46 | 62 | 31 | 4.50 | 4.7 | 5.9 | 108 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.27 | 1 | 7 | 4 | 0.20 | 0.2 | 0.4 | 12 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 3.42 | 17 | 50 | 25 | 0.50 | 1.6 | 2.8 | 80 |
| CSO-55 | 54 to 55 | Storage Tank (MG): | 0.03 | 0 | 5 | 2 | 0.20 | 0.2 | 0.3 | 8 |
| CSO-58 | 57 to 58 | Storage Tank (MG): | 0.32 | 1 | 7 | 4 | 0.80 | 0.2 | 0.4 | 13 |
| CSO-28 | 24 to 28 | Storage Tank (MG): | 0.15 | 1 | 6 | 3 | 0.90 | 0.2 | 0.4 | 10 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 0.82 | 7 | 17 | 8 | 0.65 | 0.5 | 1.0 | 27 |
| CSO-44 | 42 to 44 | Storage Tank (MG): | 0.52 | 3 | 11 | 5 | 0.45 | 0.3 | 0.6 | 18 |
| CSO-48 | 48 | Storage Tank (MG): | 0.36 | 1 | 8 | 4 | 0.75 | 0.2 | 0.5 | 13 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 0.36 | 4 | 11 | 5 | 0.30 | 0.3 | 0.6 | 18 |
| Total | | | 168 | 81 | 249 | 125 | 9.25 | 33.8 | 13.0 | 616 |

Project Cost Summary: MTA 6, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | PCI Wet Weather RTB (MGD): | 70.00 | 16 | 62 | 31 | 4.50 | 4.7 | 5.9 | 108 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.12 | 5 | 6 | 3 | 0.20 | 0.2 | 0.3 | 10 |
| CSO-13 | 50 to 13 | Storage Tank (MG): | 2.14 | 25 | 39 | 19 | 0.50 | 1.2 | 2.2 | 62 |
| CSO-58 | 18 to 58 | Storage Tank (MG): | 0.20 | 6 | 6 | 3 | 0.80 | 0.2 | 0.4 | 11 |
| CSO-40 | 26 to 40 | Storage Tank (MG): | 0.37 | 7 | 13 | 7 | 0.65 | 0.4 | 0.8 | 21 |
| CSO-44 | 42 to 44 | Storage Tank (MG): | 0.29 | 0 | 3 | 2 | 0.45 | 0.2 | 0.3 | 6 |
| CSO-48 | 48 | Storage Tank (MG): | 0.09 | 5 | 5 | 3 | 0.75 | 0.2 | 0.3 | 9 |
| CSO-63 | 61 to 63 | Storage Tank (MG): | 0.22 | 6 | 9 | 4 | 0.30 | 0.3 | 0.5 | 14 |
| Total | | | 133 | 73 | 206 | 104 | 8.15 | 32.6 | 10.8 | 548 |

Project Cost Summary: MTA 6, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | PCI Wet Weather RTB (MGD): | 70.00 | 16 | 62 | 31 | 4.50 | 4.7 | 5.9 | 108 |
| CSO-11 | 51 to 11 | Storage Tank (MG): | 1.50 | 21 | 29 | 14 | 0.30 | 0.9 | 1.6 | 46 |
| CSO-58 | 58 | Storage Tank (MG): | 0.02 | 5 | 5 | 2 | 0.30 | 0.1 | 0.3 | 8 |
| Total | | | 105 | 54 | 159 | 79 | 5.10 | 31.1 | 7.8 | 468 |

Project Cost Summary: MTA 6, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|--------------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| - | - | PCI Wet Weather RTB (MGD): | 70.00 | 16 | 62 | 31 | 4.50 | 4.7 | 5.9 | 108 |
| CSO-11 | 51 to 11 | Storage Tank (MG): | 0.84 | 10 | 18 | 9 | 0.30 | 0.5 | 1.0 | 28 |
| CSO-58 | 58 | Storage Tank (MG): | 0.02 | 5 | 5 | 2 | 0.30 | 0.1 | 0.3 | 8 |
| Total | | | 94 | 54 | 147 | 74 | 5.10 | 30.7 | 7.2 | 450 |

Project Cost Summary: MTA 7, 0 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| | 21 to 41 | Linear Storage Conduit (MG): | 11.25 | 46 | 62 | 31 | 0.00 | 1.9 | 3.5 | 99 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.77 | 23 | 25 | 12 | 0.20 | 0.8 | 1.4 | 40 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 14.02 | 94 | 117 | 59 | 0.50 | 3.7 | 6.7 | 187 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.78 | 23 | 30 | 15 | 0.15 | 0.9 | 1.7 | 47 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 2.40 | 27 | 33 | 17 | 0.30 | 1.0 | 1.9 | 53 |
| CSO-48 | 42 to 48 | Storage Tank (MG): | 14.76 | 98 | 116 | 58 | 0.75 | 3.6 | 6.6 | 185 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.77 | 23 | 28 | 14 | 0.30 | 0.9 | 1.6 | 45 |
| | | Total | 395 | 81 | 475 | 238 | 2.20 | 38.2 | 23.4 | 964 |

Project Cost Summary: MTA 7, 2 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| | 21 to 48 | Linear Storage Conduit (MG): | 10.53 | 45 | 64 | 32 | 0.00 | 2.0 | 3.6 | 102 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 1.07 | 18 | 20 | 10 | 0.20 | 0.6 | 1.1 | 32 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 8.73 | 65 | 85 | 43 | 0.50 | 2.7 | 4.8 | 136 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 1.34 | 20 | 26 | 13 | 0.15 | 0.8 | 1.5 | 41 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 1.31 | 20 | 26 | 13 | 0.30 | 0.8 | 1.5 | 41 |
| CSO-40 | 29 to 40 | Storage Tank (MG): | 3.73 | 35 | 43 | 22 | 0.65 | 1.4 | 2.5 | 70 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 1.05 | 18 | 23 | 11 | 0.30 | 0.7 | 1.3 | 37 |
| | | Total | 283 | 67 | 350 | 175 | 2.10 | 34.3 | 16.3 | 764 |

Project Cost Summary: MTA 7, 5 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| | 24 to 48 | Linear Storage Conduit (MG): | 4.31 | 26 | 38 | 19 | 0.00 | 1.2 | 2.2 | 61 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.34 | 7 | 8 | 4 | 0.20 | 0.2 | 0.4 | 12 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 5.64 | 47 | 64 | 32 | 0.50 | 2.0 | 3.6 | 102 |
| CSO-16 | 14 to 56 | Storage Tank (MG): | 0.47 | 7 | 12 | 6 | 0.15 | 0.4 | 0.7 | 20 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 0.65 | 9 | 14 | 7 | 0.30 | 0.4 | 0.8 | 22 |
| CSO-21 | 21 | Storage Tank (MG): | 0.07 | 5 | 5 | 3 | 0.35 | 0.2 | 0.3 | 9 |
| CSO-63 | 61 to 64 | Storage Tank (MG): | 0.37 | 7 | 11 | 5 | 0.30 | 0.3 | 0.6 | 18 |
| | | Total | 170 | 45 | 216 | 108 | 1.80 | 30.1 | 8.7 | 551 |

Project Cost Summary: MTA 7, 10 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| | 24 to 48 | Linear Storage Conduit (MG): | 2.60 | 19 | 29 | 15 | 0.00 | 0.9 | 1.6 | 46 |
| CSO-05 | 04 to 05 | Storage Tank (MG): | 0.22 | 6 | 7 | 3 | 0.20 | 0.2 | 0.4 | 11 |
| CSO-13 | 49 to 13 | Storage Tank (MG): | 4.33 | 39 | 55 | 28 | 0.50 | 1.7 | 3.1 | 88 |
| CSO-55 | 52 to 55 | Storage Tank (MG): | 0.23 | 6 | 8 | 4 | 0.20 | 0.2 | 0.5 | 13 |
| CSO-58 | 17 to 20 | Storage Tank (MG): | 0.47 | 7 | 12 | 6 | 0.30 | 0.4 | 0.7 | 20 |
| CSO-21 | 21 | Storage Tank (MG): | 0.04 | 5 | 5 | 2 | 0.35 | 0.2 | 0.3 | 8 |
| CSO-63 | 61 to 63 | Storage Tank (MG): | 0.25 | 6 | 9 | 4 | 0.30 | 0.3 | 0.5 | 15 |
| | | Total | 151 | 38 | 189 | 94 | 1.85 | 29.3 | 7.2 | 508 |

Project Cost Summary: MTA 7, 16 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| | 26 to 48 | Linear Storage Conduit (MG): | 1.07 | 14 | 21 | 10 | 0.00 | 0.6 | 1.2 | 33 |
| CSO-13 | 51 to 13 | Storage Tank (MG): | 4.03 | 37 | 47 | 24 | 0.50 | 1.5 | 2.7 | 75 |
| CSO-58 | 57 to 20 | Storage Tank (MG): | 0.24 | 6 | 9 | 5 | 0.30 | 0.3 | 0.5 | 15 |
| | | Total | 120 | 20 | 141 | 70 | 0.80 | 27.8 | 4.4 | 430 |

Project Cost Summary: MTA 7, 20 Overflows

| Location | Consolidation Group | Project Type / Size | Construction Cost (\$M) | Ancillary Construction Cost (\$M) | Total Construction Cost (\$M) | Capital Markups (\$M) | Land Acquisition Cost (\$M) | Present Value O&M Cost (\$M) | Present Value R&R Cost (\$M) | Present Value Lifecycle Cost (\$M) |
|----------|---------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------|-----------------------|-----------------------------|------------------------------|------------------------------|------------------------------------|
| - | - | Appendix B Projects (less GSI): | - | - | - | - | - | - | - | 184 |
| - | - | Systemwide GSI (ac): | 254.41 | 64 | 64 | 32 | 0.00 | 25.4 | 0.0 | 123 |
| | 34 to 44 | Linear Storage Conduit (MG): | 0.29 | 5 | 11 | 5 | 0.00 | 0.3 | 0.6 | 17 |
| CSO-09 | 51 to 11 | Storage Tank (MG): | 3.44 | 33 | 42 | 21 | 0.30 | 1.3 | 2.4 | 67 |
| CSO-58 | 58 | Storage Tank (MG): | 0.06 | 5 | 5 | 2 | 0.30 | 0.2 | 0.3 | 8 |
| | | Total | 106 | 15 | 122 | 61 | 0.60 | 27.2 | 3.3 | 399 |