

Analysis of State Bond Commission Agenda Items

July 23, 2021



OFFICE OF FISCAL ANALYSIS

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General Obligation (GO) Bonds	Item #	New Allocation
Connecticut Port Authority		
Grants-in-aid for improvements to deep water ports, including dredging	3	50,000,000
Department of Administrative Services		
Asbestos Removal Program - Removal or encapsulation of asbestos in state-owned buildings	9	10,000,000
Development, including acquisition and equipment, of a new thermal facility, including extension of the distribution pipeline, for the capitol area district heating and cooling system in Hartford	30	12,000,000
Infrastructure repairs and improvements at state-occupied facilities	25	1,850,000
School building projects - Principal and current payments	36	300,000,000
Department of Correction		
Renovations and improvements to existing state-owned buildings for inmate housing, programming and staff training space and additional inmate capacity, including support facilities and demolition and off-site improvements, technology improvements, various projects at various locations	18	901,797
Department of Economic and Community Development		
Connecticut Manufacturing Fund established by section 32-7o of the general statutes	2	10,000,000
Department of Energy and Environmental Protection		
Alterations, renovations and new construction at state parks and other recreation facilities including Americans with Disabilities Act improvements	26, 27, & 31	11,761,757
Connecticut bikeway, pedestrian walkway, recreational trail and greenway grant program	38	3,000,000
Dam repairs, including state-owned dams	21	500,000
Energy Efficiency in State Buildings	10, 15	14,000,000
Recreation and natural heritage trust program for recreation, open space, resource protection and resource management	22, 28	7,500,000
Department of Housing		
Crumbling Foundations Assistance Fund	20	20,000,000
Department of Public Health		
For the Health Disparities and Prevention Grant Program, not exceeding \$25,000,000, provided (1) not more than \$15,000,000 shall be used for federally qualified health centers, and not more than \$300,000 of such amount may be used to conduct a health disparities study, and (2) not more than \$10,000,000 shall be used for mental health and substance abuse treatment providers	1	25,000,000
Department of Transportation		
Competitive grants for commercial rail freight lines operating in the state for improvements and repairs to, and the modernization of, existing rail, rail beds and related facilities	37	10,000,000
Town Aid Road (TAR) Program	4	30,000,000
Department of Veterans' Affairs		
Alterations, renovations and improvements to buildings and grounds	24	285,000
Judicial Department		
Upgrades to and installation of sound amplification equipment in court and hearing rooms	7	500,000
Office of Policy and Management		
Capital Equipment Purchase Fund (CEPF)	35	20,000,000
Information Technology Capital Investment Program	6, 8	56,787,218
Urban Act - Grants-in-aid for urban development projects	34	54,581,967
State Library		
Grants-in-aid to public libraries for construction, renovations, expansions, energy conservation and handicapped accessibility under the provisions of CGS Sec. 11-24(c)	23	759,375

Connecticut State Colleges and Universities		
Advanced manufacturing and emerging technology programs	11	3,000,000
Naugatuck Valley Community College: Alterations and improvements in compliance with the Americans with Disabilities Act	17	3,000,000
Security improvements	16	5,000,000
At Three Rivers Community College: Design and construction of a new Tutoring and Academic Success Center, library modifications, Student Center renovations and other miscellaneous campus improvements	32	4,779,831
GO New Allocation		655,206,945

Special Tax Obligation (STO) Bonds		
	Item #	New Allocation
Department of Transportation		
Department facilities	5	53,395,000
Highway and bridge renewal equipment	5	19,000,000
Fix-it-First program to repair the state's roads	5, 13	35,250,000
Fix-it-First program to repair the state's bridges	12	47,100,000
Purchase of signs that flash a warning when such signs detect a vehicle wrongly entering a road and installation of such signs on exit ramps from interstate highways that are prone to accidents	12	1,000,000
Environmental compliance at state-owned properties or related to Department of Transportation operations	12, 13	3,900,000
Interstate Highway Program	12, 13	5,400,000
Capital resurfacing and related reconstruction	13	60,950,000
Intrastate Highway Programs	13	17,250,200
State bridge improvement, rehabilitation and replacement projects	13	4,280,000
Urban Systems Projects	13	9,923,000
Bus and rail facilities and equipment, including rights-of-way, other property acquisition and related projects	13	236,000,000
Local Transportation Capital Improvement Program	19	5,488,000
Let's Go Connecticut infrastructure improvement program	29	13,425,000
STO New Allocation		512,361,200

The following is intended to provide legislative members of the State Bond Commission (SBC) with additional information and analysis of the items on the agenda, as it was when first published.

I. Summary

Calendar Year 2020 General Obligation (GO) Bonds

Total New GO Bond Allocations by Month	2021 \$	2020 \$
April Agenda	339,721,558	190,474,478
Allocations Effective July 1	250,121,428	351,016,428
(Current Agenda) July Agenda	655,206,945	323,425,938
September Agenda		63,802,602
December Agenda		453,625,468
CY Total Through July	1,245,049,931	864,916,844
CY Allocation Cap	2,162,000,000	2,125,000,000
Allocation Remaining Under Cap	916,950,069	

C.G.S. 3-21 (as amended by P.A. 17-2 (JSS) Sec. 712) limits GO bond allocations at \$2 billion per calendar year beginning in CY 17. Based on annual increases calculated using CPI, the limit for CY 21 is \$2,162 million.

Calendar Year 2020 Special Tax Obligation (STO) Transportation Bonds

Total New STO Bond Allocations by Month	2021 \$	2020 \$
April Agenda	120,821,691	705,455,155
(Current Agenda) July Agenda	512,361,200	205,996,859
September Agenda		
December Agenda		358,944,000
CY Total Through April	633,179,891	911,452,014

II. Agenda Items

Item #1 Department of Public Health: Health Disparities and Prevention Grant Program (\$25,000,000 in new GO Bonds)

Total funding of \$25 million is requested to support grants for infrastructure improvements as follows: 1) up to \$10 million for mental health and substance abuse treatment providers, and 2) up to \$15 million for federally qualified health centers (FQHCs). A portion of funds for FQHCs (up to \$300,000) may be used to conduct a health disparities study. The allotment process for these grants is not yet defined.

Item #2 Department of Economic and Community Development: Connecticut Manufacturing Innovation Fund (\$10,000,000 in new GO bonds)

This funding will support the recapitalization of the Connecticut Manufacturing Innovation Fund.

The Connecticut Manufacturing Innovation Fund (MIF) is a non-lapsing fund that provides workforce development, innovation and development opportunities to manufacturers statewide. Assistance to eligible applicants may take the form of either grants or loans. Programs supported by the MIF include: Manufacturing Voucher Program, Energy on the Line, Incumbent Worker Training, College Connections, Dream it. Do it., and the Young Manufacturers Academy.

Of the \$75M investment that was originally authorized by the Connecticut State Legislature in 2014 for the MIF, nearly \$72M of those funds has been committed as of June 30, 2020. PA 21-111 authorizes an additional \$10 million to the MIF in FY 22 and FY 23 each.

For more information, see the [2020 MIF Annual Report](#).

Item #3 Connecticut Port Authority: Grants-in-Aid for Improvements to Deep Water Ports, Including Dredging (\$50,000,000 in new GO bonds)

This allocation will provide supplemental financing for redevelopment and upgrades to the State Pier in New London in accordance with the Harbor Development Agreement (HDA). That agreement is a public-private partnership between the Connecticut Port Authority (CPA), North East Offshore, LLC (a joint venture between Ørsted and Eversource) and Gateway New London, LLC. Included within the total estimated project cost is \$75 million in funding from private entities (i.e., Deep Water Wind and Northeast Offshore Funds).

The CPA authorized an amendment to the HDA at its June 29, 2021 Board Meeting which, among other things, provides a mechanism for Ørsted and Eversource to put additional contributions into escrow prior to permit approvals by the Department of Energy and Environmental Protection. The amendment stipulates that Ørsted and Eversource may withdraw a portion of their contributions if certain conditions are not met by the end of August 2021, including permit approvals and securing additional state funding (this agenda item).

Item #4 Department of Transportation: Town Aid Road (\$30,000,000 in new GO bonds)

Town Aid Road is a statutory formula grant distributed to municipalities based on the amount of paved and unpaved road mileage in each town. Towns may use this funding for highway and bridge construction, improvement or maintenance, snow plowing, tree trimming and removal, installation and maintenance of traffic signs and signals, and for other traffic safety, planning, and administrative purposes. Town grants are provided in the appendix.

Items #5, 12, 13, 19 & 29 Department of Transportation: Infrastructure Program (\$512,361,200 combined in new STO bonds)

These funds will be used to finance several programs under the Department of Transportation (DOT). Below is a breakout of certain programs:

Fix it First Program to Repair the State's Roads

Town/District	Description	Total \$	State \$	Other \$
District 2	Replace Highway Signs & Supports along Limited Access Portions of Route 2, Route 3, Route 11 and Route 17 from Hartford to Norwich	19,250,000	3,750,000	15,500,000 ¹
Statewide	Design of Pavement Preservation Projects	1,000,000	1,000,000	-
Statewide	Pavement Preservation Projects - scoping underway to determine specific projects/locations	25,000,000	25,000,000	-
Various	New preliminary engineering (PE) and rights-of-way (RW) Phases/Active PE and RW Phase Cost Increases/Change Orders for Projects Awarded and In Construction	5,500,000	5,500,000	-
TOTAL		50,750,000	35,250,000	15,500,000

Highway & Bridge Renewal Equipment

Type	Description	Unit Cost	Quantity	Total \$ (100% State)
Snow & Ice Removal Equipment	Plow Truck, 39,000 lb.	164,928	38	6,267,264
Snow & Ice Removal Equipment	Plow truck, Single Wing	199,911	12	2,398,932
Snow & Ice Removal Equipment	Plow truck, Double Wing	213,500	3	640,500
Snow & Ice Removal Equipment	Tow Plow	312,250	4	1,249,000
Snow & Ice Removal Equipment	Loader, 2.5 YD	168,000	10	1,680,000
General Maintenance Equipment	Truck Mounted Sweepers	250,000	4	1,000,000
General Maintenance Equipment	Catch Basin Cleaner	375,063	1	375,063
General Maintenance Equipment	Aerial Bucket Trucks Electrical	250,166	4	1,000,662
General Maintenance Equipment	Line Painting Truck	388,579	1	388,579
General Maintenance Equipment	Backhoes, Tractor Mowers, Skid Steer	various	-	1,500,000
General Maintenance Equipment	Trucks (Mason Dump, Clam Shell, 3/4 Ton Crew, 1/2 Ton pickup, Pothole Maint. Truck, etc.)	various	-	2,000,000
General Maintenance Equipment	Various General Maintenance Equipment (as replacements are needed). Items in this category include: chippers, compressors, road saws, and other various pieces of required equipment.	various	-	500,000
TOTAL			77	19,000,000

¹ Represents funds previously approved by the State Bond Commission.

Department Facilities Program

Town	Description	Total \$ (100% State)
Torrington	Construct Bridge and Signs & Markings Facilities	24,600,000
Farmington	Construction of a new Maintenance Facility	1,035,000
Canterbury	Construction of a new Maintenance Facility	900,000
Glastonbury	Maintenance Facility Roof Replacement	260,000
Simsbury	Maintenance Facility Roof Replacement	100,000
East Hartford	New Maintenance/Signs & Markings Facility	21,500,000
Various	Active PE Phase Cost Increases/Change Orders for Projects Awarded and In Construction/Unanticipated Emergency Repairs	5,000,000
TOTAL		53,395,000

Interstate Highway Program

Town	Description	Total \$	Federal \$	State \$	Other \$
Norwalk	Safety Improvements to 2 miles of I-95 from Exit 16 to Exit 17	98,000,000	53,254,585	2,800,000	41,945,415 ²
Various	New PE and RW Phases/ Active PE and RW Phase Cost Increases/Change Orders for Projects Awarded and In Construction	26,000,000	23,400,000	2,600,000	-
TOTAL		124,000,000	76,654,585	5,400,000	41,945,415

Environmental Compliance Program

Town	Description	Total \$ (100% State)
Various	Statewide Replacement of Underground Storage Tanks at Various DOT Facilities to Comply with DEEP Requirements	900,000
East Hartford	Groundwater/Soil Vapor Intrusion Remediation Required for Sight Redevelopment Related to Construction of a New Maintenance and Signs and Markings Facility	1,000,000
Various	CTDOT Administration of the Hazardous Waste Program - Funding for MS4 Compliance - Monitoring/Treatment of Discharge of Storm Water	2,000,000
TOTAL		3,900,000

Fix it First Program to Repair the State's Bridges

Town/District	Description	Total \$ (100% State)
District 1	FY22 BRU Bridge Preservation Repairs	2,325,000
District 2	FY22 BRU Bridge Preservation Repairs	2,325,000
District 3	FY22 BRU Bridge Preservation Repairs	2,325,000
District 4	FY22 BRU Bridge Preservation Repairs	2,325,000
District 1	Install Bridge Deck Joints following 2021 vendor-in-place (VIP) Paving	175,000
District 2	Install Bridge Deck Joints following 2021 VIP Paving	175,000
District 3	Install Bridge Deck Joints following 2021 VIP Paving	175,000
District 4	Install Bridge Deck Joints following 2021 VIP Paving	175,000
Simsbury	Replace Br 00653 carrying CT 10 o/ Hop Brook	3,800,000
Bloomfield	Replace Br 01489 carrying CT 178 over Beaman Brook	4,340,000
Bridgeport	Widen Br 03532 I-95 NB to Increase Exiting Capacity at Exit 27A to CT 8 NB	13,500,000
Stratford	Advanced Utility Relocation of UI Duct Banks (breakout for project 138-245)	2,060,000

² Previously allocated bond funds.

Town/District	Description	Total \$ (100% State)
Middletown	Replace Br 02100 carrying CT 154 o/ Bible Rock Brook	2,000,000
Winchester	Replace Br 00617 carrying SR 800 o/ Mad River	5,900,000
Various	New PE and RW Phases/ Active PE and RW Phase Cost Increases/Change Orders for Projects Awarded and In Construction	5,500,000
TOTAL		47,100,000

Wrong Way Countermeasures³

Town	Description	Total \$ (100% State)
Hartford	Route 15 Exit 87 at Brainard Road	
Hartford	I-84 Exit 46 at Sisson Avenue	
East Hartford	I-84 West Exit 58B at Roberts Street	
New Haven	I-91 Exit 2 at Hamilton Street	
Rocky Hill	I-91 North Exit 23 at Route 411 (West St.)	
Derby	Route 8 North Exit 15 at Route 34 (Main St.)	
North Haven	Route 15 South Exit 60 at Route 10 (Dixwell Ave.)	
Manchester	I-84 East Exit 63 at Route 30 (Deming St.)	
Manchester	I-384 East Exit 3 at Route 83 (South Main St.)	1,000,000
New Haven	I-91 South Exit 8 at Route 17 (Middletown Ave.)	
North Haven	I-91 North Exit 12 at U.S. Route 5 (Washington Ave.)	
North Haven	Route 40 East Exit 1 at Dixwell Avenue	
Plainville	Route 72 West Exit 2 at Route 372 (New Britain Ave.)	
Rocky Hill	I-91 North Exit 24 at Route 99 (Silas Deane Hwy)	
Southbury	I-84 East Exit 16 at Route 188 (Strongtown Rd)	
Stonington	I-95 South at Route 27 (Greenmanville Rd)	
TOTAL		1,000,000

Urban Systems Program

Town	Description	Total \$	Federal \$	State \$	Other \$
North Haven	Replace Highway Signs & Supports I-91/CT 40	12,000,000	9,600,000	2,400,000	-
Orange	Interchange 57/58 Improvements CT 15 at CT 34	3,400,000	2,720,000	680,000	-
Norwich	Replace Br 04047 and 03797 o/Yantic River	14,600,000	11,680,000	1,460,000	1,460,000
Danbury	Int. Imprvs. CT 39 at Beckerle St. & East Gate Rd.	4,165,000	3,332,000	833,000	-
Wallingford	Rehab Br 06537 (culvert)carrying SR 702 o/ Wharton Brk	6,000,000	4,800,000	1,200,000	-
Various	New PE and RW Phases/ Active PE and RW Phase Cost Increases/Change Orders for Projects Awarded and In Construction	16,750,000	13,400,000	3,350,000	-
TOTAL		56,915,000	45,532,000	9,923,000	1,460,000

Intrastate Highway Program

³ This allocation will support the review, design, and installation of wrong way signs with flashers on high risk freeway exit ramps. DOT screened approximately 800 freeway exit ramps and identified the 16 locations listed here as the highest priority for signs with flashers.

Town/ District	Description	Total \$	Federal \$	State \$	Other \$
Norwalk	Reconstruction East Avenue @ Metro North Br No 42.14	14,800,000	-	6,600,000	8,200,000
District 2	Install High Friction Surface Treatment at Various Locations	2,820,000	2,538,000	282,000	-
Statewide	CTDOT Statewide Scoping Activities	1,000,000	-	1,000,000	-
District 1	Install High Friction Surface Treatment at Various Locations	2,820,000	2,538,000	282,000	-
Litchfield	Pavement Rehabilitation	668,000	534,400	66,800	66,800
Hartford	Replace Retaining Wall at South End of Br 01765	1,705,000	1,534,500	170,500	-
District 3	Midblock Crosswalk Upgrades	489,000	440,100	48,900	-
Various	Funding for: New PE and RW Phases/ Active PE and RW Phase Cost Increases/Change Orders for Projects Awarded and In Construction	44,000,000	35,200,000	8,800,000	-
TOTAL		68,302,000	42,785,000	17,250,200	8,266,800

State Bridge Program

Town	Description	Total \$	Federal \$	State \$
Wallingford	Rehab Br 03225 carrying CT 150 o/Brook	3,500,000	2,800,000	700,000
Salem	Rehab Br 06780 (culvert) carrying Ct 11 o/Brk	1,400,000	1,120,000	280,000
Various	New PE and RW Phases/ Active PE and RW Phase Cost Increases/Change Orders for Projects Awarded and In Construction	16,500,000	13,200,000	3,300,000
TOTAL		21,400,000	17,120,000	4,280,000

Capital Resurfacing Program

Town	Description	Total \$ (100% State)
New Canaan/ Norwalk	Resurfacing, Bridge, & Safety Improvements CT 15 from CT 124 in New Canaan to Main Avenue in Norwalk	53,000,000
New Canaan/ Norwalk	Funding Reserve (15%) for Final Bids Received Project 102-296CN	7,950,000
TOTAL		60,950,000

Bus and Rail Facilities

Town/Program	Description	Total \$	Federal \$	State \$
N/A	Transit Capital Planning	450,000	360,000	90,000
NHL	NHL - Station Improvement Program (Design)	5,000,000	-	5,000,000
NHL	NHL - Station Improvement Program	35,000,000	20,000,000	15,000,000
NHL	NHL - Station Improvement Program- Stamford (Phase 2)	3,000,000	-	3,000,000
NHL	S program/Timber Program	8,000,000	-	8,000,000
NHL	Bridge Design	10,000,000	-	10,000,000
NHL	Bridge Replacement Program	35,000,000	28,000,000	7,000,000
NHL	NHL - WALK Moveable Bridge Program	81,490,000	20,000,000	61,490,000
NHL	New Haven Line Track Program (C-33)	75,000,000	60,000,000	15,000,000
NHL	Code Compliance Upgrades of Rail Maintenance Facilities	6,000,000	-	6,000,000
NHL-DB	Danbury Branch Slope & Stabilization	11,000,000	-	11,000,000
NHL	Stamford Yard Lead Tracks, Catenary, Track 7	80,000,000	64,000,000	16,000,000
NHL	NHL - Signal System Replacement Phase 4 - Design	4,000,000	-	4,000,000
NHL	NHY - Wheel Mill Facility	35,000,000	-	35,000,000
NHL	NHY - Design and Program Management	20,000,000	-	20,000,000
CT Transit	CT Transit - Statewide Bus Shelter Improvement Program	1,250,000	1,000,000	250,000
Statewide	Statewide Bus Stop Sign Program-Implementation	2,000,000	-	2,000,000
Statewide	CT Transit Bus Replacements/Battery Electric Bus Program	12,500,000	10,000,000	2,500,000
CT Transit	CT Transit Facility Improvements	25,000,000	20,000,000	5,000,000
GHTD	GHTD Union Station	1,500,000	1,200,000	300,000
GNHTD	GNHTD New Facility	25,000,000	20,000,000	5,000,000
MLFD TD	Milford TD Facility Improvements	50,000	40,000	10,000
MLFD TD	Milford TD Bus Replacements (4 2009 35ft)	1,800,000	1,440,000	360,000
Windham TD	Windham TD Facility Improvements	4,000,000	-	4,000,000
TOTAL		482,040,000	246,040,000	236,000,000

Local Transportation Capital Improvement Program (LoTCIP)

Description	Total \$ (100% State)
Northwest Hills Council of Governments	990,000
Northeastern Connecticut Council of Governments	792,000
Lower CT River Valley Council of Governments	2,706,000
CTDOT Administrative Oversight Project	1,000,000
TOTAL	5,488,000

Let's Go, CT!

Town	Description	Total \$	State \$	Other \$
Hartford	PEL Study I-84 Hartford Area	2,500,000	2,500,000	-
Danbury	Reconstruction I-84 Exits 3-8	10,000,000	10,000,000	-
West Hartford	Intersection Modifications & Traffic Signal Replacement US 44/CT 218	1,000,000	150,000	850,000 ⁴
Plainville	Farmington Canal Heritage Trail Gap Closure (Phase 1) Town Line Road to Norton Park	775,000	775,000	-
TOTAL		14,275,000	13,425,000	850,000

Items #6 & 8 Office of Policy and Management: IT Capital Investment Program (\$56,787,218 in combined new GO bonds)

This funding will be used to develop and implement information technology enhancements for the Department of Administrative Services. The table below shows the breakdown of the allocation.

Funding for the Information Technology Capital Improvement Program					
Description	DAS - IT Optimization and Remediation	DAS - CivicGov	DAS - CT Digital Services	DAS - e-Builder Software	DAS - Cyber Security
Consultant Services	4,450,000	108,800	37,888,135	284,759	750,000
Software	1,400,000	10,815	4,209,793	224,916	540,000
Hardware	-	20,000	-	-	6,900,000
Total	5,850,000	139,615	42,097,928	509,675	8,190,000

Funding will be used for the following projects:

- **DAS - IT Optimization and Remediation:** Remediation costs to achieve Phase I of centralized IT model for state government.
- **DAS - CivicGov:** Purchase and implementation of CivicGov software to support the Division of Real Estate and Construction Services to enhance statutorily required processes
- **DAS - CT Digital Services:** Expand business.ct.gov into other government services, such as health, education and transportation. Funding will be used for project management, technical configuration, research and software licensing.
- **DAS - e-Builder Software:** Installation and maintenance of new construction project management software.
- **DAS - Cyber Security:** Equipment upgrades for external network boundaries and systems to monitor and respond to internal threats.

Item #7 Judicial Department: Upgrades to and Installation of Sound Amplification Equipment in Court and Hearing Rooms (\$500,000 in new GO bonds)

These funds are requested to finance upgrades to outdated sound amplification systems at 142 of the 274 courtrooms and hearing rooms across the state, at a cost of approximately \$3,500 per room. The remaining 132 court rooms and hearing rooms do not need updating as they do not have sound amplification systems. The cost to install sound amplification to these rooms (which is not part of this request) is approximately \$6,500 per room.

Item #8 - See Item #6

⁴ Previously allocated bond funds.

Item #9 Department of Administrative Services: Removal of Asbestos and Hazardous Materials in State-owned Buildings (\$10,000,000 in new GO bonds)

The allocation will be used to provide continued statewide support of asbestos and hazardous material abatement in projects at state facilities throughout the state.

Items #10 & 15 Department of Energy and Environmental Protection: Energy Efficiency Improvements in State Buildings (\$14,000,000 combined in new GO bonds)

This allocation supports energy efficiency upgrades across multiple state agencies statewide, including DEEP's fish hatchery in Quinebaug, Department of Corrections's facilities in Cheshire, Hartford, Enfield, and Newtown, and a Department of Mental Health and Addiction Services facility in New Haven. Projects are generally expected to pay for their own cost through energy or water savings over the course of 5 to 15 years.

Recent activities include major improvements to Department of Corrections buildings, along with improvements at the Connecticut Valley Hospital and in many Department of Motor Vehicles facilities.

Item #11 Connecticut State Colleges and Universities: Advanced Manufacturing (\$3,000,000 in new GO bonds)

These funds will support the purchase of new and replacement equipment for the community colleges' advanced manufacturing programs. The funds will be used across the colleges. Examples of equipment that will be purchased include lathes, milling machines, computers, surface grinders, compressors, CNCs, and access mills, among others. Nine community colleges have advanced manufacturing programs. Recent program expansions include a center at Western Connecticut State University in Danbury through Naugatuck Valley Community College (beginning September 2021) and a small program for high school graduates at A.I. Prince Technical High School in Hartford through Capital Community College (newly operating this summer).

Items #12 & 13 - See Item #5

Item #14 Capital Region Development Authority: Economic Development (\$5,500,000 in previously allocated GO bonds)

This reallocation will allow the funds to be used for the development of a 40,000 square foot retail/commercial space focused on health and wellness in the Upper Albany neighborhood in Hartford and further expand the use of funds for complementary economic development projects along the Albany Avenue Corridor in Hartford.

The original allocation funded a \$5.5 million loan from CRDA to Seven Summits for a \$21 million mixed-use project at the corner of Albany Avenue and Woodland Avenue in Hartford. That plan included 75 affordable housing units, 20,000 square feet of commercial/retail space focused focusing on neighborhood health and wellness needs. Since that time, the developer has been unable to secure additional funding and objections have been raised in the neighborhood about the density of the housing.

Item #15 - See Item #10

Item #16 Connecticut State Colleges and Universities: Security Improvements (\$5,000,000 in new GO bonds)

These funds will be used for design services and purchase of items and systems intended to bolster security across the twelve community colleges. Years ago, a consultant with expertise in security completed a security assessment focused on the community colleges. This funding will secure design services to assist in prioritizing security upgrades based on the assessment, and also be used to implement the improvements. Examples of anticipated components are building access systems, surveillance systems, ballistic resistant windows, and site control barriers.

Item #17 Connecticut State Colleges and Universities: Naugatuck Valley Community College Accessibility (\$3,000,000 in new GO bonds)

These funds will be used for a range of accessibility improvements at Naugatuck Valley Community College in Waterbury for compliance with the Americans with Disabilities Act. CSCU reports that this is the college with the highest level of need for accessibility improvements. Projects that will be accomplished involve accessibility regarding bathrooms, elevators and stairs, doors, furniture, water fountains, and exits. Two additional community colleges, Asnuntuck and Middlesex, also have substantial accessibility challenges, which will not be addressed by this funding.

Item #18 Department of Correction: Renovations and Improvements to Existing State-Owned Buildings (\$901,797 in new GO bonds)

Funding of \$901,797 is requested for the installation of additional security cameras to address security concerns at the following correctional facilities:

- *Bridgeport Correctional Center (\$99,494)* – install 36 cameras and software in the gym, admitting and processing areas, and the hospital.
- *Corrigan Correctional Center (\$175,144)* – install 40 new cameras and software in the kitchen and classrooms.
- *Radgowski Correctional Center (\$85,527)* – install 22 new cameras and software in the kitchen and classrooms.
- *New Haven Correctional Center (\$204,654)* – install 39 cameras and software in housing units A and kitchen and school area blind spots.
- *York Correctional Center (\$182,711)* – install 29 cameras and software throughout the facility.
- *Osborn Correctional Institution (\$94,285)* – install 22 new cameras and software in the hospital and school.
- *Emergency/Minor Capital Projects as Needed (\$59,982)*

Item #19 – See Item #5

Item #20 Department of Housing: Crumbling Foundations Assistance Fund (\$20,000,000 in new GO bonds)

The funds are requested to capitalize the Crumbling Foundations Assistance Fund (CFAF), operated by the captive insurance company, Connecticut Foundation Solutions Indemnity Company, Inc. (CFSIC). This request is the final \$20 million installment of the \$100 million in state GO bonds for the CFAF authorized by PA 17-2 JSS for the five years beginning July 1, 2017. PA 21-111, the 2021 bond bill, authorizes an additional \$25 million per year for four years for this purpose beginning July 1, 2022.

Program Update:⁵ Homeowners affected by pyrrhotite in their foundations were able to begin applying for financial assistance with replacing crumbling foundations starting in January 2019. As of July 19, 2021, CFSIC has put 330 families back in their homes. By July 2022, this number is expected to be 500. There are currently more than 60 condominium units under remediation. As a result of legislation passed in 2021, CFSIC anticipates assisting between 1,500 and 2,000 additional families by 2029. As of July 19, the average allowable cost of foundation remediation is \$154,236, which is almost \$21,000 lower than at the start of the program. There are also now contractors participating that employ a "non-lifting" methodology that can increase the speed of delivery.

Item #21 Department of Energy and Environmental Protection: Dam Repairs, including State Dams (\$500,000 in new GO bonds)

This allocation will be used to fund various state dam repairs and functions based on the table below:

Item:	Amt \$
Various inspections	260,000
Repairs, as needed	180,000
Hurd State Park (East Hampton) - Dam Design	60,000
Total	500,000

Background: Bond funds for dams are used to undertake studies, design, and construction of repairs to state-owned dams. The state owns in excess of 260 dams, which create lakes and ponds that are used for a variety of purposes. DEEP owns and operates 95% of these dams. As owner of these structures, the State is responsible for their on-going safety. Actions are initiated on these state structures based upon their state of repair, compliance with current safety standards and the hazard they pose to downstream areas in the event of a failure.

Items #22 & 28 Department of Energy and Environmental Protection: Recreation and Natural Heritage Trust for Open Space (\$7,500,000 combined in new GO bonds)

This bond funding would provide matching grants to DEEP's partners for eligible land acquisitions. The municipal open space grant program provides state funding towards meeting legislative open space goals. The bond funding for this program is leveraged alongside "off-budget" Community Investment Act dollars through a grand round, annually each September.

The legislature established a goal of preserving 673,210 acres (21%) of the state's land area preserved as open space. The goal calls for 352,634 acres (11%) of the State's land area to be acquired by DEEP's partners (municipalities, nonprofit land conservation organizations and water companies). As of December 2019, it is estimated that these other entities held approximately 248,953 acres, or 70.6% of the goal. To meet the goal set forth for partner open space acquisitions, an additional 103,681 acres of open space must be acquired by the partners by 2023.

⁵ Based on email correspondence with CFSIC Superintendent, July 19, 2021

Item #23 Connecticut State Library: Grants to Public Libraries (\$759,375 in new GO bonds)

This allocation will be used to fund a state portion of the following municipal library projects:

Town	Project	Amount \$
East Haven	Emergency roof repairs	159,375
Haddam	Interior renovations - Brainerd Memorial Library	675,000
Total		834,375

The library grant program, established under CGS 11-24c, is the state's share of one half of public library construction costs, not exceeding \$1 million per library. Projects are approved by the state library using a priority list system and need to secure the remaining financing before they are approved for the state grant.

Public libraries continue to see increased use while at the same time their space needs are changing and renovations and expansions are needed to accommodate new services such as technology centers. Many Connecticut public library buildings are at or near the end of their useful life, do not meet accessibility requirements, or are in need of improving their energy efficiency. These grants serve as incentives for local private and public support.

Item #24: Department of Veterans' Affairs: Alterations, Renovations, and Improvements to Buildings and Grounds (\$285,000 in new GO bonds)

According to the Department of Veteran's Affairs (DVA), \$100,000 of this funding will be used for paving and repairs at the DVA main campus and at the COL Raymond F. Gates State Veterans Cemetery. Areas of both the main campus and cemetery have potholes that pose imminent trip and fall hazards for staff, Veteran residents and visitors as well as damage to vehicles. If not repaired, these areas are expected to continue to degrade and pose increased trip and fall risks.

\$100,000 will be used for the central steam system flash tank repair. The current steam system flash tank is leaking and requires immediate major repair. Any residual funding will be applied to a steam trap study and replacement effort in order to avoid additional degradation and repair costs in the future.

\$85,000 will be used for emergency repairs to campus-wide infrastructure, including steam and water lines, to maintain operability and avoid greater repair and replacement costs in the future.

Item #25 Department of Administrative Services: Infrastructure Repairs and Improvements (\$1,850,000 in new GO bonds)

These funds are to finance the following alterations, renovations, and improvements:

- Lab renovations in Farmington for the Office of the Chief Medical Examiner (\$100,000)
- Statewide security improvements at various locations (\$1,000,000)
- Emergency/minor capital improvements as needed (\$750,000)

Items #26, 27, & 31 Department of Energy and Environmental Protection: State Park Renovations and Improvements (\$11,761,757 combined in new GO bonds)

This allocation will be used to finance the various items presented in the chart below:

Item #	Description	Town	Amount \$
26	New Western District headquarters at Black Rock	Watertown	11,000,000
27, 31	HVAC System at Dinosaur State Park Museum	Rocky Hill	761,757
Total Items 26, 27, 31			11,761,757

The new facility will serve as headquarters for the Western District’s park rangers and Environmental Conservation police. The facility is planned to be 12,000 square feet and will include geothermal and photovoltaic installations and is expected to be “net-zero” energy consumption.⁶ These funds, in combination with \$4,219,328 of funds from other sources, will finance construction of the new facility.

The Dinosaur State Park museum contains an overhead view of the preserved Mesozoic floodplain covered with tracks, dioramas of Triassic and Jurassic environments, collections of fossils, and interactive exhibits. Dinosaur State Park opened in 1968, two years after 2,000 dinosaur tracks were accidentally uncovered during excavation for a new state building. These funds, in combination with \$197,213 of funds from other sources, will finance the expected \$958,970 total cost of HVAC replacement at the facility.

Item #28 – See Item #22

Item #29 – See Item #5

Item #30 Department of Administrative Services: Development, including Acquisition and Equipment, of a New Thermal facility for the Capitol Area (\$12,000,000 in new GO bonds)

The allocation will support the acquisition of the Capitol District Energy Center Cogeneration Associates (CDECCA) Plant located at 490 Capitol Avenue in Hartford.

This will include plant acquisition, energy upgrades to the plant, infrastructure improvements, construction costs, and other incidental costs including design and studies as needed.

Item #31 – See Item #26

Item #32 Connecticut State Colleges and Universities: Three Rivers Community College Improvements (\$4,779,831 in new GO bonds)

These funds will be used primarily for construction costs of renovations and other improvements at Three Rivers Community College in Norwich. The tutoring and academic success center component involves a renovation of approximately 11,600 square feet in the campus's A-Wing. The library aspect includes a renovation of approximately 13,100 square feet that incorporates new teaching and learning support spaces, gathering areas, computer pods, and space reconfiguration. Additionally, roof replacement and roof level masonry repairs will be funded. Design was previously completed for the tutoring and academic success center, and a study begun for the library, using a prior allocation. It is anticipated that construction bidding will occur in early 2022.

⁶ Source: <https://ceseng.com/projects/deep-western-district-headquarters/>

Item #33 Department of Energy and Environmental Protection: Drinking Water Fund (\$2,227,671 in previously allocated CWF bonds)

This reallocation will be used to fund the state's portion of Drinking Water State Revolving Fund loans. Funds are being reallocated from the Clean Water Fund State account to the Drinking Water State Revolving Fund, both of which are funded within the Clean Water Fund using revenue bonds.

Background: The Drinking Water State Revolving Fund (DWSRF) is the state funding mechanism to assist community and nonprofit non-community public water systems with financing infrastructure upgrades designed for public health and to comply with Safe Drinking Water Act requirements

Item #34 Office of Policy and Management: Urban Act (\$54,581,967 in new GO bonds and \$7,000,000 in previously allocated GO bonds)

The program finances various projects throughout the state. See the appendix for a table of allocations on this agenda.

Item #35 Office of Policy and Management: Capital Equipment Purchasing Fund (\$20,000,000 in new GO bonds)

The Office of Policy and Management anticipates receiving capital equipment requests regularly and will use this allocation to provide funding for these requests. A list of the specific equipment to be purchased by the agencies will be provided to OPM at the time the funds are allotted.

Background: The Capital Equipment Purchase Program (CEPF) is authorized by CGS Sec. 4a-9 and has been used for the purchase of equipment with a useful life of at least 5 years. It is financed through the sale of General Obligation bonds and administered by the Office of Policy and Management.

Item #36 Department of Administrative Services: School Building Projects (\$300,000,000 in new GO Bonds)

These funds are requested to finance a portion of estimated grants-in-aid for the state's reimbursement of construction costs associated with local school building projects. These projects include expansion, renovations and improvements, safety and health related projects, vocational agricultural centers and cooperative regional special educational facilities. This program also funds capital improvements to schools that are part of the Connecticut Technical Education and Career System.

School districts may submit requests for school construction grant payments for projects which have been approved legislatively, as part of school construction priority lists or similar public acts, or in certain emergency situations, such as roof repairs. The dollar amount of the bond commission request is based upon the aggregate of all open school construction projects, specific cash flows from some projects, and historical experience with the ebb and flow of grant payment requests.

Item #37 Department of Transportation: Commercial Freight Rail Program (\$10,000,000 in new GO bonds)

The Commercial Freight Rail Program will provide competitive grants for commercial freight lines to finance improvements, repairs and modernization of rail freight lines. This program will also incorporate safety improvements at state and town railroad grade crossings statewide. Preference is given to projects that improve at-grade crossings to eliminate hazards or increase safety, and that connect to major freight generators.

Item #38 Department of Energy and Environmental Protection: Connecticut Bikeway, Walkway, Recreational Trail and Greenways Grant (3,000,000 in new GO bonds)

This allocation will be used to finance a grant round, to be opened in September, for the construction of new trails, maintenance and restoration of existing trails, purchase or lease of equipment, acquisition of trail easements, and developing trail access for people with disabilities. Eligible applicants include municipal, county, state, or federal agencies, and private organizations. Since 2007, \$10 million of bond funds have been allocated to the Greenways program to develop and connect trails and walkways around the state. Recent developments include the Captain John Bissell Trail in South Windsor, the Great Oak Greenway in Ledyard, the South Meadows Greenway at Goodwin College, and the Clinton Blue/Greenway.

APPENDICES

Appendix for Item #4 - FY 22 Town Aid Road Allocations

Municipality	\$	Municipality	\$	Municipality	\$
Andover	187,011	Columbia	205,232	Groton	371,847
Ansonia	315,883	Cornwall	222,522	Guilford	360,695
Ashford	294,033	Coventry	295,442	Haddam	243,741
Avon	312,687	Cromwell	275,821	Hamden	671,515
Barkhamsted	195,098	Danbury	875,273	Hampton	188,501
Beacon Falls	192,522	Darien	341,348	Hartford	1,188,254
Berlin	333,034	Deep River	197,811	Hartland	143,128
Bethany	211,066	Derby	263,823	Harwinton	227,211
Bethel	324,223	Durham	221,727	Hebron	240,936
Bethlehem	209,764	Eastford	175,619	Kent	291,531
Bloomfield	341,950	East Granby	201,874	Killingly	359,653
Bolton	199,975	East Haddam	325,780	Killingworth	249,852
Bozrah	181,182	East Hampton	321,450	Lebanon	319,358
Branford	399,874	East Hartford	578,579	Ledyard	289,527
Bridgeport	1,376,373	East Haven	400,011	Lisbon	179,451
Bridgewater	178,636	East Lyme	316,214	Litchfield	385,394
Bristol	662,854	Easton	227,601	Lyme	179,899
Brookfield	306,554	East Windsor	267,765	Madison	313,110
Brooklyn	243,129	Ellington	341,395	Manchester	643,841
Burlington	261,940	Enfield	535,284	Mansfield	414,352
Canaan	169,236	Essex	215,735	Marlborough	212,046
Canterbury	225,410	Fairfield	718,937	Meriden	662,861
Canton	256,285	Farmington	373,905	Middlebury	224,612
Chaplin	187,035	Franklin	129,022	Middlefield	197,308
Cheshire	404,302	Glastonbury	460,882	Middletown	586,260
Chester	190,235	Goshen	278,415	Milford	601,494
Clinton	267,671	Granby	257,870	Monroe	350,695
Colchester	349,082	Greenwich	751,095	Montville	320,303
Colebrook	201,166	Griswold	188,059	Morris	177,964

Municipality	\$
Naugatuck	421,433
New Britain	767,178
New Canaan	331,787
New Fairfield	275,198
New Hartford	270,025
New Haven	1,254,027
Newington	412,203
New London	384,906
New Milford	557,171
Newtown	469,483
Norfolk	242,721
North Branford	280,274
North Canaan	188,562
North Haven	357,626
North Stonington	236,635
Norwalk	906,875
Norwich	490,906
Old Lyme	228,596
Old Saybrook	246,594
Orange	275,867
Oxford	278,073
Plainfield	290,093
Plainville	306,790
Plymouth	259,103
Pomfret	243,495
Portland	239,191
Preston	199,216
Prospect	241,906
Putnam	238,136
Redding	268,852
Ridgefield	379,283
Rocky Hill	346,211
Roxbury	323,729
Salem	193,274
Salisbury	294,608
Scotland	153,809
Seymour	297,304
Sharon	360,498
Shelton	504,272
Sherman	205,297
Simsbury	373,488

Municipality	\$
Somers	262,898
Southbury	370,237
Southington	527,098
South Windsor	383,811
Sprague	152,349
Stafford	395,893
Stamford	1,248,627
Sterling	192,204
Stonington	298,744
Stratford	598,932
Suffield	292,035
Thomaston	222,141
Thompson	253,880
Tolland	338,776
Torrington	454,469
Trumbull	459,670
Union	124,601
Vernon	405,084
Voluntown	172,922
Wallingford	538,127
Warren	181,648
Washington	331,389
Waterbury	1,067,942
Waterford	317,277
Watertown	349,010
Westbrook	217,298
West Hartford	687,270
West Haven	619,574
Weston	251,306
Westport	394,783
Wethersfield	401,185
Willington	258,989
Wilton	314,972
Winchester	299,812
Windham	366,215
Windsor	402,335
Windsor Locks	266,790
Wolcott	302,425
Woodbridge	240,294
Woodbury	295,531
Woodstock	385,098

Municipality	\$
Groton (City of)	112,613
Fenwick (Bor.)	1,105
Jewett City (Bor.)	77,187
Stonington (Bor.)	15,178
Woodmont (Bor.)	17,542
TOTALS	60,000,000

Appendix for Item #34 - Urban Act Projects

Item	Admin. Agency	Recipient	Purpose/Notes	Amount \$
I.A	DAS	Town of Deep River	Deep River Elementary School Roof Replacement Project	132,000
I.B	DAS	Town of East Hartford	Softball field renovations at East Hartford High School and locker room renovations at East Hartford High and Middle Schools	950,000
I.C	DAS	Town of Greenwich	Redesign of the entryway to Greenwich High School and other renovations, including ADA improvements, lighting for the lobby and exterior of the entrance, and upgrades to the HVAC system	1,200,000
I.D	DAS	City of Waterbury	Installation of a synthetic football field with track at Wilby High School	3,000,000
II.A	DESPP	City of Meriden	Expansion of the Meriden Emergency Communication Center	4,000,000
II.B	DESPP	Town of Tolland	Replacement of emergency communication systems	3,000,000
III.A	DEEP	City of Bristol	Reconstruction of the retaining wall along the Pequabuck River	1,200,000
III.B	DEEP	Town of East Windsor	Outlet Structure removal/replacement project in East Windsor Park	560,000
III.C	DEEP	Town of Killingworth	Killingworth Sports Facility	500,000
III.D	DEEP	Town of Madison	Replacement of a bulkhead and stone revetment at Garvan Point. Matches \$770,000 town funding	770,000
III.E	DEEP	Town of Manchester	Preservation of 102 acres of Lombardo Farm's farmland as open space for hiking, biking, skiing, community gardens, and a wildlife and plant habitat	300,000
III.F	DEEP	City of Milford	Redesign the roadway and parking lots at Wilcox Park and Founders Walk. Matches \$500,000 town funding	1,500,000
III.G	DEEP	Town of New Fairfield	Creation of a multi-use trail that would run between the north side of Margerie Reservoir and Route 37 from Peck Road in Danbury to the center of New Fairfield	484,000
III.H	DEEP	Town of Newtown	Construction of a Sandy Hook Memorial	2,500,000
III.I	DEEP	City of Waterbury	Replacement of three broken water fountains at East Mountain Park	82,700
III.J	DEEP	City of Waterbury	Purchase of a prebuilt restroom facility for Schofield (Bunker Hill) Park	350,000
III.K	DEEP	City of West Haven	Finance four playscapes for West Haven Alliance District Title 1 schools and the Glade Street neighborhood	430,000
IV.A	DECD	City of Ansonia	Redevelopment and adaptive reuse of the Ansonia Copper & Brass Extrusion Mill facility. Matches \$5,000,000 federal funds and \$2,000,000 municipal funds	2,000,000
IV.B	DECD	Town of Bethel	Expansion of Clark Business Park for site construction costs for the development of 17.1 acres and 4 new commercial lots	635,017
IV.C	DECD	Town of Bloomfield	Phase 2 of the Blue Hills Avenue Complete Street Program, including improvements such as a road diet, new standard sidewalk, new stone curbing, brick snow shelf, decorative lighting, and crosswalks	600,000
IV.D	DECD	City of Bridgeport	Reallocation for the rehabilitation of Runway 11-29 at Sikorsky Memorial Airport, including additional improvements	7,000,000
IV.E	DECD	City of Bristol	Bristol Centre Square Infrastructure Project, including the design and construction of a public parking component to accommodate City Hall, Bristol Police Department, and the U.S. Post Office; and the design and construction of Bristol's first downtown "City Plaza" public gathering space on Centre Square to host community events while enhancing private development on the site	4,692,000
IV.F	DECD	Town of Cheshire	Ball and Socket adaptive arts project, consisting of restoring the former Ball & Socket Manufacturing Company to clean a brownfield, revitalize the commercial center of Cheshire, preserve a 3-acre historical complex, provide a regional tourism draw, and promote outdoor activities along the Farmington Valley Linear Trail	1,500,000

Item	Admin. Agency	Recipient	Purpose/Notes	Amount \$
IV.G	DECD	Isham-Terry House	Grant-in-aid to the Isham-Terry House in Hartford for electrical, plumbing, and security updates	95,000
IV.H	DECD	City of Hartford	Streetscape improvements and economic development on Farmington Avenue	7,000,000
IV.I	DECD	City of New London	Abate and demolition of the former Thames River Apartment Complex on Crystal Avenue	1,706,000
IV.J	DECD	Town of Stratford	Sterling House interior and exterior repair and restoration project	2,000,000
IV.K	DECD	City of Torrington	Five Points Center for the Visual Arts to finance renovations to the former University of Connecticut Torrington Regional Campus	2,733,500
IV.L	DECD	Town of Wallingford	Renovation and Expansion of the YMCA, including installation of a new playscape, construction of an aquatics center, and accessibility enhancements	750,000
IV.M	DECD	Town of West Hartford	Acquisition of property for future use as the Elmwood Community Center/Cultural Center and functional program development, feasibility study, and preconstruction services. Matches \$810,000 municipal funds	2,500,000
IV.N	DECD	Town of Wethersfield	Expansion of the parking lot at the fire station on Main Street within the Economic Development Corridor	500,000
V.A	DMHAS	City of New Britain	Design of a new youth center	1,000,000
V.B	DMHAS	City of Norwalk	Interior and exterior renovations to the George Washington Carver Community Center. Matches \$860,000 private contributions	1,261,768
V.C	DMHAS	Town of Woodbridge	Renovations to the Woodbridge Senior Center, including transformation of outdated space, access improvements, and increased functionality. Matches \$128,205 of previous STEAP awards	300,000
VI.A	DCF	City of New Haven	Expansion of the r' Kids Family Center facility at 45 Dixwell Avenue	1,500,000
VI.B	DCF	City of New Haven	Renovations and infrastructure improvements to Farnam Community Center in New Haven and Farnam Camp in Durham	1,500,000
VII.A	DOT	Town of Canton	Extension of the Farmington River Rails to Trails Greenway	599,982
VII.B	DOT	Town of East Windsor	Chestnut Brook Culvert Replacement Project	750,000