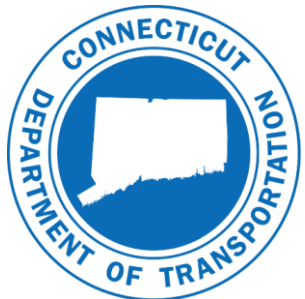


Bipartisan Infrastructure Bill Implementation: Consultant Overview

September 2021

Housekeeping Notes:

- This meeting will be recorded.
- Attendee microphones will be disabled during the presentation and will be reactivated for the Q&A portion.
- During the Q&A, please raise your hand. When called on, you will need to unmute your microphone to speak.
- When asking a question, please state your name and the name of your firm. Once you have asked your question, please mute your microphone and lower your hand.
- Questions can also be submitted through the meeting chat and will be read by the moderator.
- For anyone calling in on the audio only phone line, you can raise and lower your hand by pressing *5 and you can mute and unmute your line by pressing *6.



Today's Agenda

- Opening Remarks – Commissioner Giulietti
- Overview of Anticipated Federal Funding
- What Must be Delivered
- Anticipated Resource Needs
- CTDOT's Plan for Expanded Infrastructure Program
- How the Program Will be Delivered
- Timing for Upcoming Consultant Solicitations
- Consultant Selection Revisions
- Questions & Answers



Overview of Anticipated Federal Formula Funding

FHWA	Yearly Total	Program Size Relative to 2021 Program	Increase over 2021 Program
2021	\$ 549,841,415		
2022	\$ 788,243,862	143%	\$ 238,402,447
2023	\$ 801,552,715	146%	\$ 251,711,300
2024	\$ 815,127,746	148%	\$ 265,286,331
2025	\$ 828,974,277	151%	\$ 279,132,862
2026	\$ 843,097,737	153%	\$ 293,256,322


FTA	Yearly Total	Program Size Relative to 2021 Program	Increase over 2021 Program
2021	\$ 200,684,201		
2022	\$ 249,586,741	124%	\$ 48,902,540
2023	\$ 254,675,083	127%	\$ 53,990,882
2024	\$ 261,505,210	130%	\$ 60,821,009
2025	\$ 267,029,567	133%	\$ 66,345,366
2026	\$ 273,990,153	137%	\$ 73,305,952








FHWA + FTA Formula Funding	Grand Total by Year	Program Size Relative to 2021 Program	Increase over 2021 Program
2021	\$ 750,525,616		
2022	\$ 1,037,830,603	138%	\$ 287,304,987
2023	\$ 1,056,227,798	141%	\$ 305,702,182
2024	\$ 1,076,632,956	143%	\$ 326,107,340
2025	\$ 1,096,003,844	146%	\$ 345,478,228
2026	\$ 1,117,087,890	149%	\$ 366,562,274

Note: These values do not include matching State funds.



Overview of Anticipated Federal Grant Funding

NEC COMPETITIVE GRANTS		
	\$30 B	<ul style="list-style-type: none"> • Make <u>Time for CT</u> and <u>Northeast Corridor's C35</u> a reality • Northeast Corridor grants to procure & address deferred maintenance backlog on Amtrak's Northeast Corridor (\$6 B) • Intercity Passenger Rail Fed-State Partnership grants to repair/replace/ rehabilitate qualified railroad assets to improve state of good & performance (\$24 B)

NATIONAL COMPETITIVE GRANTS		
	\$6 B	<ul style="list-style-type: none"> • *NEW* Safe Streets for All grants for local governments to reduce crashes and fatalities in communities, especially for cyclists and pedestrians (\$5 B) • *NEW* SMART grants for innovative transportation technologies (like drones) or use of data to improve transportation efficiency & safety (\$500 M) • *NEW* Reconnecting Communities grants for planning, design, demolition, and reconstruction of street grids/parks divided by transportation infrastructure (\$500 M)
	\$9.24 B	<ul style="list-style-type: none"> • *NEW* Bridge grants to repair, replace and rehab bridges <i>(grants to supplement CT's \$561 M in formula funding)</i>
	\$15.7 B	<ul style="list-style-type: none"> • RAISE grants for projects of local or regional significance (\$7.5 B) • *NEW* Megaproject grants for multi-modal, multi-jurisdictional projects of national or regional significance (\$5 B) • INFRA grants for highway/rail projects of regional & national economic significance (\$3.2 B)
	\$8 B	<ul style="list-style-type: none"> • Capital Investment grants for new and expanded high-capacity rail and bus service
	\$9.75 B	<ul style="list-style-type: none"> • CRISI Grants to improve safety, efficiency, and reliability of intercity passenger rail (\$5 B) <i>(ex: New Haven Line/Time for CT likely a good candidate for this program)</i> • Railroad Crossing Elimination grants to eliminate railway-highway crossing hazards (\$3 B) • ADA Upgrades to Rail Transit grants to eliminate access barriers (\$1.75 B)
	\$5.25 B	<ul style="list-style-type: none"> • Low-No Emissions Bus grants for low and no emissions buses and the facilities that support them <i>(grants to supplement formula funding for the conversion of CT bus transit fleet)</i>
	\$1 B	<ul style="list-style-type: none"> • *NEW* Culvert grants to remove/replace/restore culverts & address the flow of water through roads, bridges, railroads, tracks and trails <i>(related to flooding, many of CT's culverts are +50 years old & at the end of their service life)</i>
\$100 B		Competitive transportation grants over the next 5 years for CTDOT to pursue <i>(above outlines a targeted list of competitive grants not all grant programs in bill)</i>

What We Must Deliver

Anticipated Funding beyond our current program

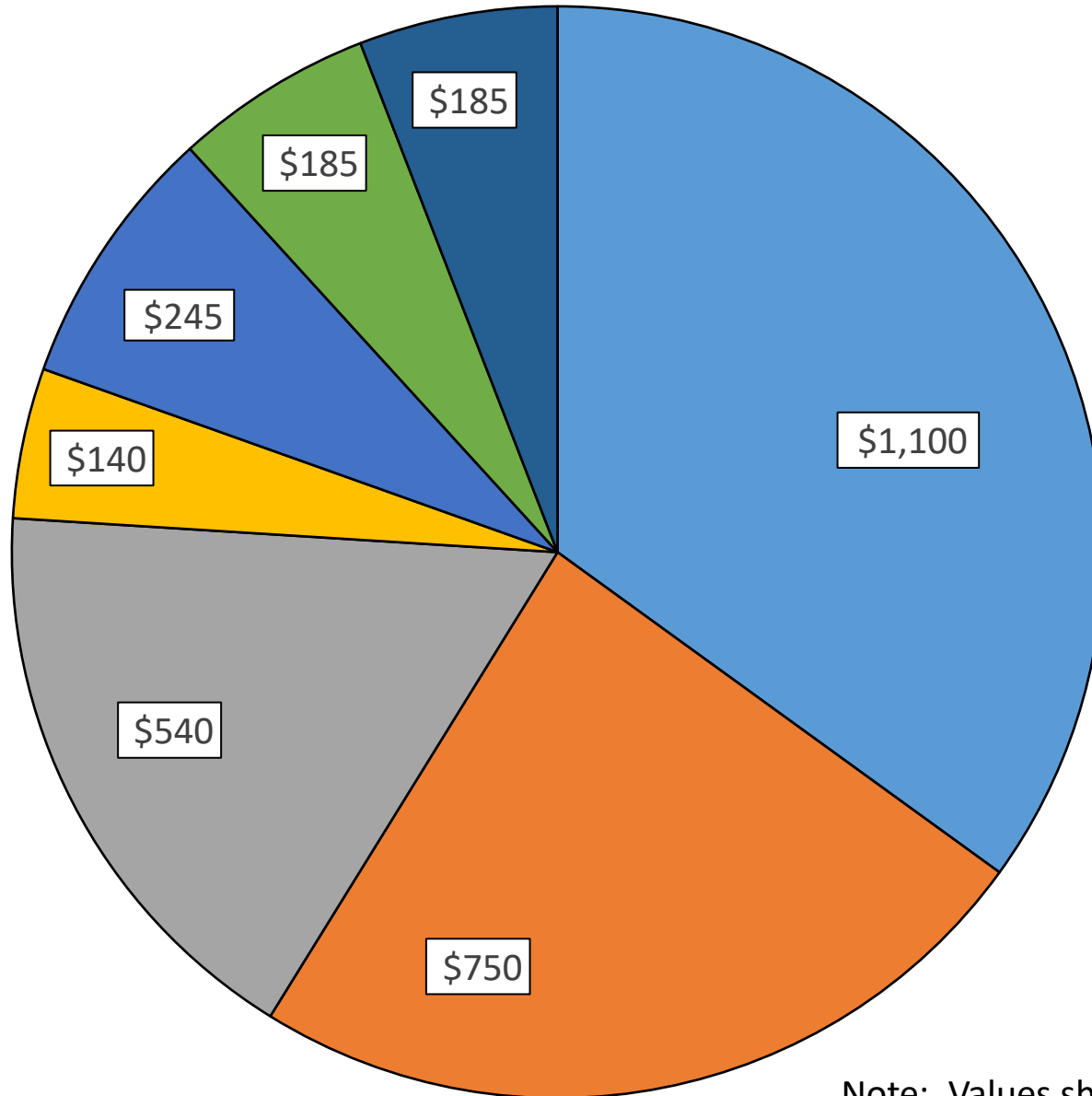
- An additional \$400,000,000 **PER YEAR** for projects
 - Federal Formula Funds and matching State Funds Starting in FFY 2022
- Potentially another \$1,000,000,000 **OVER 5 YEARS**
 - Federal Competitive Grants for transportation projects
 - Northeast Corridor Competitive Grants for rail projects and programs

Resource Needs

Approximate Resource Needs to Deliver Additional Funds

- 225 Additional Full Time Equivalents (FTEs) to deliver the additional formula funds
- Plus, another 110 FTEs to deliver the potential grant programs
- Plus, additional FTEs to administer & inspect the new work during construction
- This need will be met with a combination of new CTDOT staff and Consultants

Categories and Potential New Funding



- Bridge Projects and Programs
- Highway Projects and Programs
- Major Highway Program Development
- Facilities/Clean Energy Projects & Programs
- Traffic Control/Safety Projects & Programs
- Transit Projects and Programs
- Rail Projects and Programs

Note: Values shown in Millions

Planned Projects to Deliver

Bridge Projects & Programs:

- Major Bridge Program
- Expanded Bridge Preservation Program
- Aesthetic Bridge Lighting Program
- Retaining Wall Replacement Program
- Heroes Tunnel**

Major Highway Projects & Programs:

- I-84 Improvements, Exits 1-8
- Greater Hartford Mobility Study
- I-84 and Route 8 Mixmaster
- I-95 Improvements, New Haven to Rhode Island
- I-95 Improvements, Exits 7-9 & Bridge 00032
- I-95 Improvements, Exits 19-27A

Highway Projects & Programs:

- Interchange Improvements I-95 West of New Haven Hot Spots
- Drainage Improvement Program
- Virtual Weigh Station Technology
- Sidewalk Gap Closure Program
- Trail Gap Closure Program
- Truck Parking Areas Program
- Roundabout Program
- Road Diet Program
- Stevenson Dam Crossing**

*** Denotes a project or program where a consultant has previously been selected and this bill will likely enable the continued funding of that work.*



Planned Projects to Deliver

Facilities and Clean Energy Projects & Programs:

- Light Fleet Charging Stations
- Advance Public DC Fast Charging Program
- Solar Panel Program

Traffic Control and Safety Projects & Programs:

- Upgrade of Existing Computerized Traffic Signal System
- Installation of Advanced Traffic Controllers and Communications
- Pedestrian Signal Upgrades
- Upgrade Overhead Signs & Sign Supports
- Upgrade Signs on Secondary State Roads

Rail and Transit Projects & Programs:

- High Level Platform Replacement Program
- Fleet Electrification Program
- New Bus Rapid Transit Program

Northeast Corridor (NEC) Competitive Grants:

- TIME Project: Greenwich CP228 Turnouts
- Undergrade Bridge Program
- Devon Moveable Bridge Replacement**
- Saugatuck Moveable Bridge Replacement**
- Hartford Line Double Tracking**
- Hartford Line Stations**

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How We Will Deliver These Projects and Programs

- Solicit Consultant Liaison Engineering Consultants (CLE) for each Project Delivery Division to supplement staff with Task Based Design Consultants assigned to the CLE (CLE & Task Based program expansion)
- Assign Additional Work to Existing Task Based Consultant Agreements
- Solicit Project Specific Consulting Engineers for Large Projects
- Hire and Train Additional CTDOT Staff

Solicitation and Timing

Immediate Solicitations for work in the next 6-9 months:

- Solicit 4-5 New CLE Consultant Firms ASAP (Facilities, Traffic, Bridge, & Highways)
- Solicit 8-10 Task Design Consultants ASAP (To work with CLE's)
- Solicit On-Call Consultants for Support Groups
 - Estimating, Project Concepts, Archaeological & Historic, Sustainability & Resiliency
- Assign Work to On-Calls with Existing Agreements
- Solicit Design Consultants for High Level Platform Replacement Program

Over the next 9 months to one year:

- Solicit Final Design Consultants for Large Breakout Projects from Major Programs out of the PEL Studies
 - Waterbury Stacks, Hartford Mobility, I-95 Widening, New I-95 Interchange in Stamford

Consultant Selection – Volume Calculation

- **Current Process**
 - Volume is computed based upon fee letters written for the trailing 3-year period.
- **Effective October 1**
 - Volume will be computed based upon actual payments made to firm for the trailing 3-year period.
- **Future Changes**
 - Advisory panel formed to consider additional changes to the Volume Rule. Target date for implementation is January 1, 2022.

Consultant Selection Changes

- **Legal Notice Solicitations**

- Recent selection criteria will not apply (no change).
- The 5% volume limit will not be applied at shortlisting.
- A firm's volume of work will be considered during the final phase of the selection process.

Questions & Answers

