

RECEIVED

2023 JAN 31 A 9:55

**REPRESENTATIVE TOWN MEETING
BRANFORD, CONNECTICUT**

LEGAL NOTICE AND CALL

February 8, 2023, 8:00 p.m.

[Signature]
TOWN CLERK

The RTM will be convened on Wednesday, February 8, 2023, at 8:00 p.m. at Fire Headquarters, 45 North Main Street, to consider and act upon the following matters:

1. Roll Call.
2. Approval of minutes of previous meetings.
3. Reception of communications, reports of committees, and citizen petitions.
4. To consider and if appropriate, Review Tree Warden Ordinance, Charter 16, Article 11 of the Town Code.
5. To consider, and if appropriate, adopt a policy for virtual meetings into our Town Meeting Rules.
6. To consider, and if appropriate, approve PZ#22-5.2 Two Lot Subdivision & Coastal Site Plan at 125 Thimble Island Road.
7. To consider, and if appropriate, adjust the Town of Branford's Ordinance on noise and how it addresses commercial pick up of sanitation.
8. To consider, and if appropriate, approve the following transfer for the Registrar of Voters:

From:		
10149040-588802	Contingency	(\$57,612)
To:		
10141120-566900	Other Supplies	\$7,547
10141120-517630	Election Workers	45,925
10141120-566920	Meal Supplies	174
10141120-544300	Repairs & Maintenance	3,211
10141120-518000	Overtime	370
10141120-588090	Travel	<u>385</u>
	Total	\$57,612

9. To consider, and if appropriate, approve the following transfer request for Human Services:

From:		
21844010-555200	Property, Liability	(\$3,436)
21844010-533900	Other Purchase Services	<u>(1,000)</u>
	Total	(\$4,436)
To:		
21844010-579300	Furniture & Fixtures	\$3,436
21844010-526100	Uniforms/Clothing	<u>1,000</u>
	Total	\$4,436

10. To consider, and if appropriate, approve the following transfers and resolution for the Open Space Fund:

Open Space Fund Transfer

Increase:

20545050-480296	Appropriation from Fund Balance	\$60,000
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To:

20545050-599110	Transfer Out 700 Fund	60,000
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Capital Fund – Appropriation Increase

Increase:

70090000-490010	Transfer In	\$60,000
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Increase:

70045050-579480-23310	Parks & Open Space Repairs/Improvements	60,000
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RESOLVED: That the RTM approves an increase in the total appropriation for the fiscal year 2022-2023 Open Space Fund Budget from \$63,051 to \$123,051. The additional appropriation will be funded from the Open Space fund balance and be used to fund the Pine Gutter Brook Restoration Project.

Open Space Transfer Request

From:

20545050-566900	Other Supplies	\$ 3,000
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20545050-579400	Capital Outlay	1,500
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To:

20545050-544300	Purchased Services Repair & Maintenance	4,500
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11. To receive communications with respect to and consider and act upon a resolution entitled:

“A RESOLUTION AMENDING “RESOLUTION APPROPRIATING \$2,750,000 FOR MAIN STREET ROAD AND RELATED IMPROVEMENTS AND AUTHORIZING THE ISSUE OF \$2,750,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE” TO INCREASE THE SCOPE OF THE PROJECT AND INCREASE THE APPROPRIATION AND BOND AUTHORIZATION THEREIN BY AN ADDITIONAL \$5,550,000.” The full text of the Resolution is on file, open to public inspection in the office of the Town Clerk.

12. To receive communications with respect to and consider and act upon a resolution entitled:

“RESOLUTION AUTHORIZING AN APPROPRIATION OF \$325,000 FOR THE POLICE HEADQUARTERS RENOVATION PROJECT AND THE FINANCING OF SAID APPROPRIATION BY THE ISSUANCE OF GENERAL OBLIGATION BONDS OF THE TOWN AND NOTES IN ANTICIPATION OF SUCH BONDS IN AN AMOUNT NOT TO EXCEED \$325,000 THEREFOR.” The full text of the Resolution is on file, open to public inspection in the office of the Town Clerk.

13. To hear a presentation regarding a funding strategy for a Solid Waste Sinking Fund and, if appropriate, approve the following transfers and resolutions:

Resolution for Creating the Solid Waste & Recycling Equipment Fund:

Resolved: The Board of Finance authorizes and recommends to the RTM the establishment of the Solid Waste and Recycling Equipment Fund Sinking Fund.

ARPA Fund Appropriation

Resolved: The Board of Finance recommends to the RTM an increase in the FY2023 ARPA Fund budget from \$2,727,000 to \$3,652,000. This appropriation will be used to fund single stream recycling bins and will be funded through an appropriation from the ARPA fund balance.

Increase:		
26090000-480296-23813	Fund Balance Transfer	\$925,000
Increase:		
26041020-579250-23813	Recycling & Solid Waste Equipment	925,000

Capital Transfer

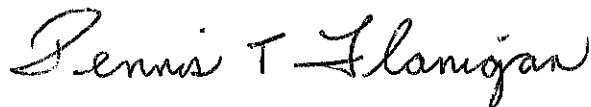
From:		
70043040-579400-22330	Transfer Station Improvements	\$323,101
70043040-599139-22330	Transfer to Fund 721	323,101

General Fund Contingency Transfer

From:		
10149040-588802	Contingency	\$100,000
To:		
10150000-599139	Transfer to Fund 721	\$100,000

14. Any other business to come before the RTM,

15. Adjournment



Dennis T. Flanigan, Moderator
Dated this 31st day of January 2023

BOARD OF FINANCE

TOWN OF BRANFORD

1019 MAIN STREET, P.O. BOX 150, BRANFORD, CONNECTICUT 06405

**JOSEPH W. MOONEY, CHAIRMAN
PAMELA DeLISE
HARRY DIADAMO, JR.
VICTOR J. CASSELLA
ROBERT IMPERATO
CHARLES F. SHELTON, JR.
JEFFREY E. VAILETTE**



**EX-OFFICIO
JAMES B. COSGROVE, First Selectman**

**CLERK
LISA E. ARPIN, Town Clerk, CCTC CMC**

January 31, 2023

To the Representative Town Meeting of
The Town of Branford

Attention: Dennis Flanigan, Moderator

RECEIVED
2023 JAN 31 P 2:50
LISA E. ARPIN
TOWN CLERK

At a meeting of the Board of Finance held January 30, 2023, the following resolution was adopted:

RESOLVED: That the resolution entitled: "A RESOLUTION AMENDING "RESOLUTION APPROPRIATING \$2,750,000 FOR MAIN STREET ROAD AND RELATED IMPROVEMENTS AND AUTHORIZING THE ISSUE OF \$2,750,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE" TO INCREASE THE SCOPE OF THE PROJECT AND INCREASE THE APPROPRIATION AND BOND AUTHORIZATION THEREIN BY AN ADDITIONAL \$5,550,000" is hereby adopted and recommended for approval by the Representative Town Meeting.

Very truly yours,

Joseph W. Mooney
Chairman, Board of Finance

BOARD OF FINANCE

TOWN OF BRANFORD

1019 MAIN STREET, P.O. BOX 150, BRANFORD, CONNECTICUT 06405

JOSEPH W. MOONEY, CHAIRMAN
PAMELA DeLISE
HARRY DiADAMO, JR.
VICTOR J. CASSELLA
ROBERT IMPERATO
CHARLES F. SHELTON, JR.
JEFFREY E. VALETTE



EX-OFFICIO
JAMES B. COSGROVE, First Selectman

CLERK
LISA E. ARPIN, Town Clerk, CCTC CMC

January 31, 2023

To the Representative Town Meeting of
The Town of Branford

Attention: Dennis Flanigan, Moderator

At a meeting of the Board of Finance held January 30, 2023, the following resolution was adopted:

RESOLVED: That the resolution entitled: "RESOLUTION AUTHORIZING AN APPROPRIATION OF \$325,000 FOR THE POLICE HEADQUARTERS RENOVATION PROJECT AND THE FINANCING OF SAID APPROPRIATION BY THE ISSUANCE OF GENERAL OBLIGATION BONDS OF THE TOWN AND NOTES IN ANTICIPATION OF SUCH BONDS IN AN AMOUNT NOT TO EXCEED \$325,000 THEREFOR" is hereby adopted and recommended for approval by the Representative Town Meeting.

Very truly yours,

Joseph W. Mooney
Chairman, Board of Finance

JWM/lea

RECEIVED
2023 JUN 31 P 2:50
LISA E. ARPIN, TOWN CLERK

RECEIVED

2023 JAN 12 P 12: 24

Mai Estepin
BRANFORD TOWN CLERK

January 12, 2023

To: Joseph Mooney, Chairman Board of Finance

From: Darren Lawler & Daniel J. Hally, Registrars of Voters

Re: Budget Transfer

The Registrars of Voters need to request additional funds because of the August 9, 2022 Republican and Democrat State Primaries.

From Contingency: \$57,612

To: 10141120-566900 Other Supplies \$7,547

To: 10141120-517630 Election Workers \$45,925

To: 10141120-566920 Meal Supplies \$174

To: 10141120-544300 Repairs & Maintenance \$3,211

To: 10141120-518000 Overtime \$370

To: 10141120-588090 Travel \$385

Total: \$57,612

Thank you in advance for the board's help in this transfer.

Darren Lawler & Daniel J. Hally

Registrars of Voters

Town of Branford

Item #9

2023 JAN 12 A 10:05



tel (203) 481-4248 | fax (203) 483-7727
342 Harbor Street, Branford, CT 06405

Mai Estepin
BRANFORD TOWN CLERK

January 12, 2023

To: Joseph Mooney, Chairman
Board of Finance

From: Peter Cimino
Human Services Director

Re: Budget Transfer Request FY 2022-2023 Human Services

Furniture & Fixtures

We have a need to replace the aged damaged administrative office desks and cabinets to improve our overall efficiency. To address the shortfall in this budget item, we are requesting a transfer from the Property, Liability budget as the premium payment resulted in a surplus of \$3436.

From		
21844010 555200	Property, Liability	(\$3,436)
To		
21844010 579300	Furniture & Fixtures	\$3,436

Uniforms/Clothing

The addition of replacement staff resulted in a budget shortage. We are requesting a transfer of \$1000 from Other Purchase Services to cover the shortage.

From		
21844010 533900	Other Purchase Services	(\$1,000)
To		
21844010 526100	Uniforms/Clothing	\$1,000

RECEIVED

OFFICE OF THE TREASURER
BRANFORD, CONNECTICUT

2023 JAN 27 P 2:24



W. Edgerton
BRANFORD TOWN CLERK

1019 MAIN STREET
POST OFFICE BOX 150

(203) 315-0663
Fax: (203) 315-3736
www.branford-ct.gov

Date: January 24, 2023

To: Joseph Mooney, Chairman Board of Finance

From: James P Finch, Finance Director *J.P. Finch*

Re: Open Space Budget Increase and Transfer Request (Two Items)

I am writing to supplement the request from the Open Space Commission for \$60,000 to increase funding for the Pine Gutter Brook Channel Restoration Project. I am requesting these supplemental funds come out of the Open Space Fund. As the board may recall, one of the purposes for establishing this fund is to maintain open space.

Therefore, I have drafted the following resolution and transfers for your consideration.

Resolved: That the Board of Finance Recommends to the RTM an increase in the total appropriation for the fiscal year 2022-23 Open Space Fund Budget from \$ 63,051 to \$123,051. The additional appropriation will be funded from the Open Space fund balance and be used to fund the Pine Gutter Brook Restoration Project.

Open Space Fund Transfer

Increase		
20545050-480296	Appropriation from Fund Balance	60,000
Increase		
20545050-599110	Transfer Out 700 Fund	60,000

Capital Fund – Appropriation Increase

Increase:		
70090000-490010	Transfer In	60,000
Increase:		
70045050-579480-23310	Parks & Open Space Repairs/Improvements	60,000

Attached please find supporting documentation received from the Parks and Open Space department as well as a brief spreadsheet.

Open Space Transfer Request:

From:		
20545050-566900	Other Supplies	3,000
20545050-579400	Capital Outlay	3,000
To		
20545050-544300	Purchased Services Repair and Maintenance	6,000

I anticipate Richard Shanahan will attend your meeting to present these items.

Original Budget (70045050-579480-23310) 92,800

Total Obligations 51,235

Future Projects

Supply Pond Bridge Replacement	3,854
Pisgah Saltonstall	8,025
Beacon Hill	4,200
<i>Pine Gutter Brook Debris Dams</i>	<i>70,000</i>
<i>Pine Gutter Brook Professional Services</i>	<i>15,000</i>
	<u>101,079</u>

Total Obligations and Future Projects 152,314

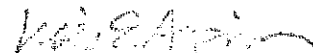
Original Budget 92,800

Amount Needed	59,514
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**PARKS & OPEN SPACE AUTHORITY
INLAND WETLANDS APPLICATION**

2023 JAN 27 P 2:24

12/22/22


BRANFORD TOWN CLERK**PINE GUTTER BROOK CHANNEL RESTORATION PROJECT – BRANFORD SUPPLY PONDS**

Pine Gutter Brook is a relatively short brook originating at a small pond located north of the junction of Laurel Hill Road and Red Rock Road. Passing through a culvert underneath Laurel Hill Road, it begins a 3500' descent to Pisgah Brook through mostly Town-owned property managed by the Parks & Open Space Commission (Map Attached).

Pine Gutter Brook has been experiencing severe erosion problems for close to 40 years. The first mention and documentation of the issue was made by Dr. Herbert Bormann in the early 1970's. The Yale University Forestry School completed a study in May, 1996 of the entire Pisgah Brook watershed, a smaller portion of which included a study of Pine Gutter Brook (Pages 45 through 53 attached). The study describes and documents the erosion problem with explicit photographs throughout the watercourse.

Unfortunately, the Yale study only described the severity of the problem and concluded the problem was primarily caused by extensive development on Brushy Plain Road, Laurel Hill Road and Red Rock Road. The study did not present any practical solution.

In June, 2005, the firm of Milone & MacBroom was hired by the Parks and Open Space Commission to specifically study Pine Gutter Brook and offer possible solutions (The complete study is attached). The study was very comprehensive and detailed and while it did offer several potential solutions, it failed to provide an actual and realistic plan as to how to accomplish those solutions. The report was overwhelming in both scope and cost. The stream bed is situated at the base of a narrow, steep sided and mostly inaccessible ravine which limits the type of equipment that can be used. Unless one specifically walks the streambed, the degree and scope of erosion is invisible from surrounding properties. As a result, the study was filed away and the erosion problem continued.

In August, 2021, Branford experienced an extreme rain event when the remnants of Hurricane Ida dumped between 5 to 7 inches of rain in 24 hours. As a result, the level of sediment deposited in the sedimentation pond at the base of Pine Gutter Brook **rose by approximately two feet**. In addition, the surge of water uncovered what appears to be an old bottle dump in an area behind Squire Hill Apartments spreading extensive amounts of broken glass and pottery shards along the entire stream bed down to the sedimentation pond. This is a definite hazard to pedestrians, dogs and mountain bikers in the area (photos attached).

This past summer, the Parks & Open Space Authority hired Davison Environmental to develop an actual plan addressing the problem and to identify reasonable, cost effective solutions (Report Attached). Upon completion, the stream was then walked with John Witkowski Tree Service to ascertain the viability of the plan.

The Plan has two basic phases. Phase 1 calls for creating a series of debris dams along the entire length of the stream starting just above the pump house behind Squire Hill Apartments down to the sedimentation pond. In addition, several areas along the stream will be planted with live stakes of willow and or dogwood to control further bank erosion. The goal of implementing the steps in Phase 1 is to reduce water velocity, allowing sediment to accumulate behind the debris dams and to reduce the scouring of the stream banks. The work will be done primarily on foot with chainsaw crews cutting, maneuvering and positioning existing fallen trees, branches and rocks along the streambed. Mechanical equipment will be used at the level areas at the base of the stream to position logs brought in from areas away from the

stream bed. There will be no mechanical equipment in the stream bed. The plunge pool adjacent to the pump house behind Squire Hill Apartments will also be rebuilt.

Implementation of Phase 2 would depend on the success of Phase 1 and is not included in this application. Phase 2 will require further study and would probably include actions such as cutting back the river banks in many areas to reduce the slope as well as installing rock and/or log barriers along the areas where the cutting back the banks is not feasible. Implementing Phase 2 will likely require an involved permitting process at the local, state, and federal level whereas the work associated with Phase 1 would not (See pages 3 & 4 of the Davison Study).

Due to the inaccessibility of the area, Phase 1 activities need to be done when no foliage is present. As such, work needs to begin no later than mid-March and completed by mid-April.

Richard Shanahan

Chair – Parks & Open Space Authority



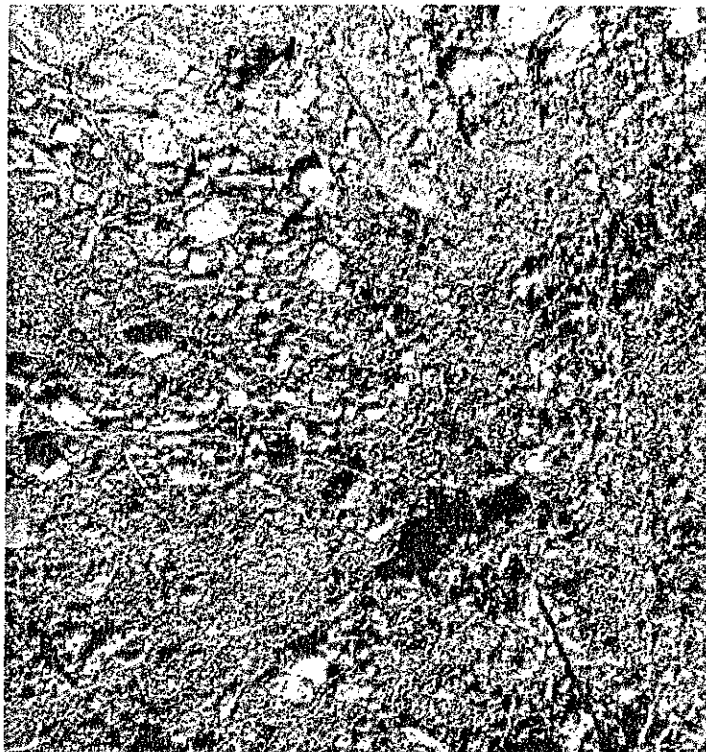
Note Glass Shards



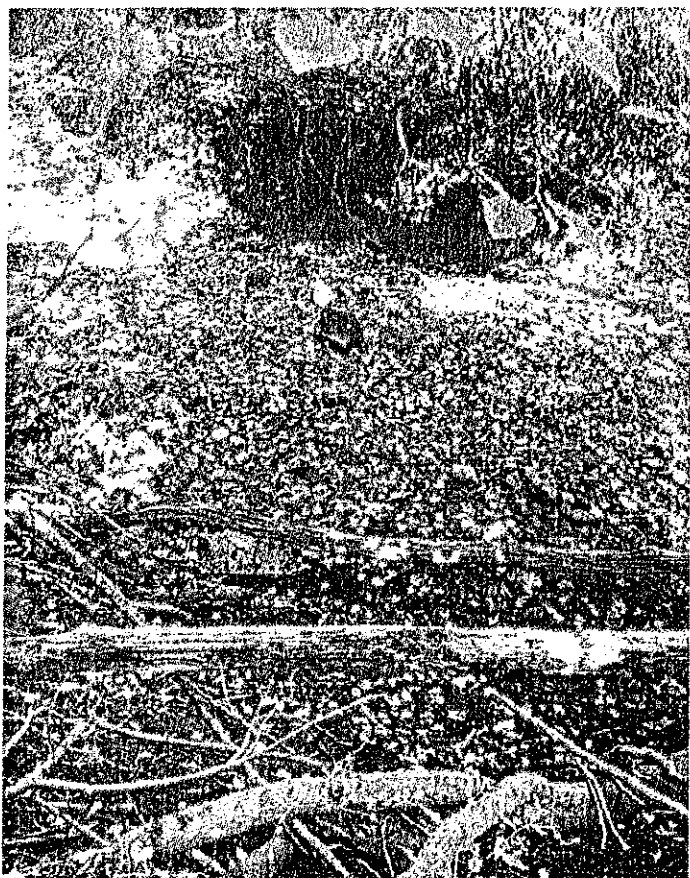
Major Erosion (Bank to Bank)



Glass Shards Throughout Sediment



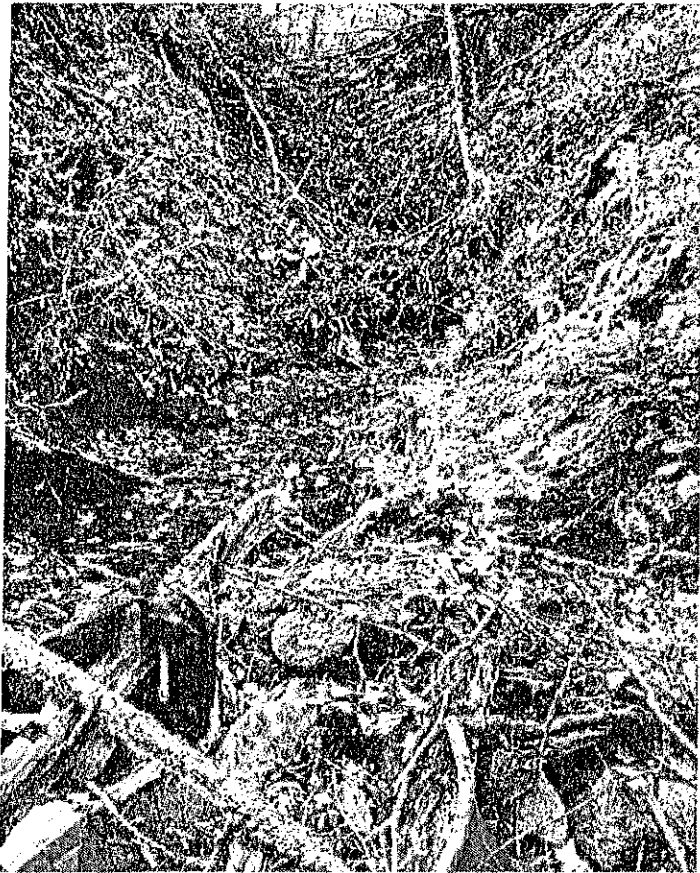
Glass & Debris



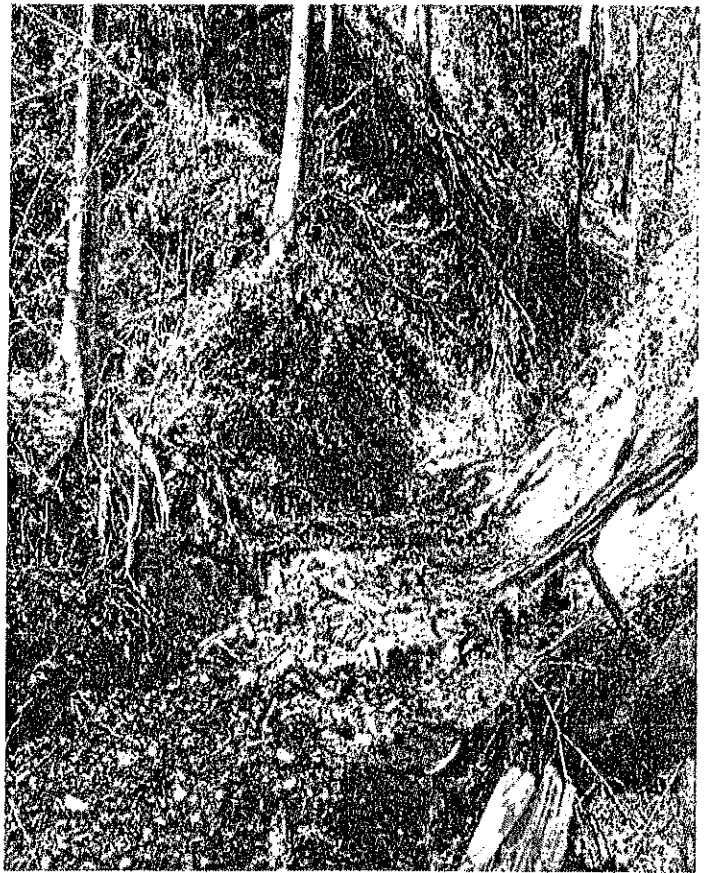
Major Erosion



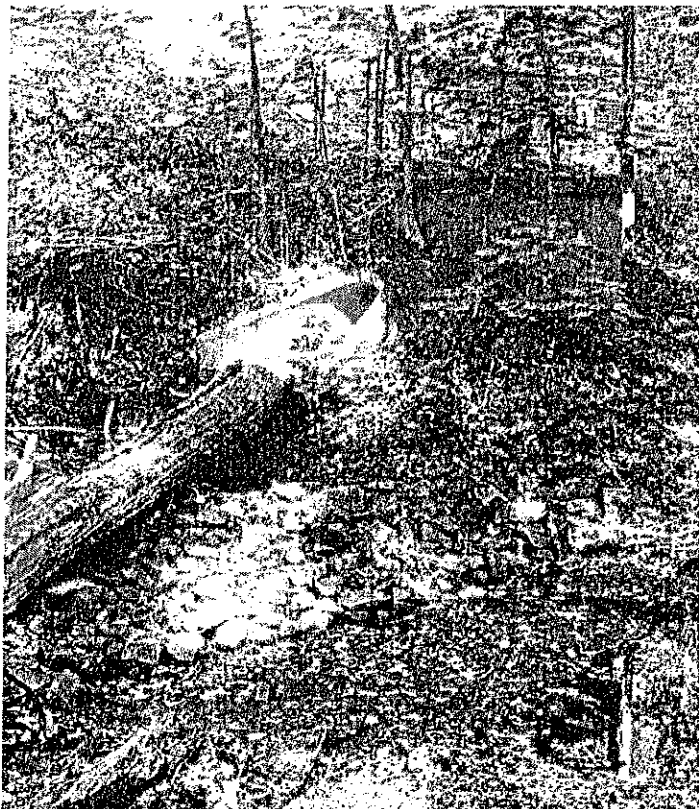
Major Erosion



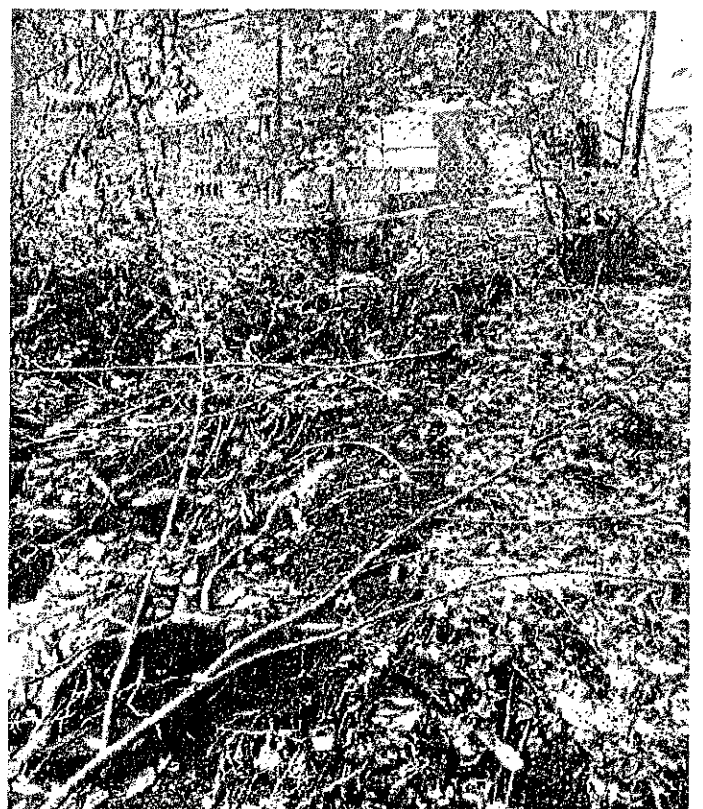
Debris Filled Gully



Debris Filled Gully



Culvert Behind Squire Hill Pump Station w/ No Rip Rap



Unchecked Erosion Behind Squire Hill Pump Station



Wetland Delineation • Wetland Assessment & Permitting • Wildlife Surveys • Fisheries & Aquatics • GIS Mapping • Forestry

RECEIVED

2023 JAN 27 P 2:24

[Handwritten Signature]
ADMINISTRATIVE CLERK

December 16, 2022

Mr. Richard Shanahan
Chair, Branford Parks & Open Space
1019 Main Street
Branford, Connecticut 06405

**RE: *Pine Gutter Brook Channel Restoration
Laurel Hill Road to Pisgah Brook, Branford***

Mr. Shanahan,

The following summarizes the channel restoration measures discussed during our November 28, 2022, field review of Pine Gutter Brook from Laurel Hill Road to Pisgah Brook.

Background

Branford Parks and Open Space Authority retained Milone & MacBroom, Inc. ("MMI") to evaluate Pine Gutter Brook and recommend methods for stabilizing its eroding banks. The results of this evaluation are documented in the "Pine Gutter Brook Assessment and Restoration Plan, Final Draft" ("Plan"), dated March 2005. Pine Gutter Brook is located in the northwestern portion of Branford, originating near Laurel Hill Road. The brook discharges to Pisgah Brook which discharges through the Branford Supply Ponds to the Branford River. The Pine Gutter Brook channel suffers from severe bed and bank erosion that the Town has attempted to control by constructing a sediment basin at the outlet of the brook. Much of the channel degradation that Pine Gutter Brook is experiencing is believed to be caused by poor watershed land management. Solutions that could potentially address watershed-related issues are complicated.

MMI's Plan identified the following, high-level strategy to stabilize Pine Gutter Brook:

1. Allow the natural erosion process to continue in reaches 5 and 6. The channel bed through these reaches is bedrock, so rapid down cutting is not anticipated. Some bank erosion

may occur in isolated areas, but this is a natural process and not harmful to the stream health.

2. Stabilize the channel bed and banks in selected areas of the lower reaches by minimizing bed lowering and widening. Reduce the overall channel slope to reduce flow velocities and minimize scour.

Brook Characteristics and Recommendations by Reach

Channel conditions vary by section or "Reach" as described in the MMI Plan. Reaches are numbered from 1 to 6 beginning at the confluence with Pisgah Brook and terminating at Laurel Hill Road. Reaches 1 and 2 exhibit the highest degree of channel degradation.

Reach 1 extends approximately 515' from the confluence with Pisgah Brook through the sediment basin and broad floodplain northwest of the trail and bridged brook crossing. This reach is largely within glacial outwash derived (stratified sand and gravel) soils as opposed to the glacial till derived soils and shallow bedrock that underlies the upstream reaches. Outwash derived soils can be prone to erosion due to their unconsolidated granular texture. Down cutting by Pine Gutter Brook in these glacial outwash soils has created tall vertical stream banks and caused undermining of the channel banks (see Photo 18).

Reach 1 Recommendations:

1. *Control bed elevation by constructing debris dams (with woody debris or rocks) to capture and attenuate sediment and create a step-pool profile.*
2. *Install log revetments in the submerged zone along the most eroded sections of bank.*
3. *Where the eroded banks are greater than 5 feet high grade back and stabilize.*
4. *Live stakes may be used in select locations to control bank erosion. This method will not be effective for more severe bank erosion. Placement should consider future inevitable bank loss (stakes should be set back from any vertical or incised banks).*

Reach 2 is characterized by the upstream limit of the broad floodplain (when viewing the channel downstream to upstream). The silty bed material encountered here indicates that water velocities are low. The channel is actively meandering through this reach and floodplain erosion is occurring as a result. Bank erosion in this reach is characterized by bank undercutting, and halting bed erosion will eliminate this issue.

Reach 2 Recommendations:

1. *Control bed elevation by constructing debris dams (with woody debris or rocks) to capture and attenuate sediment and create a step-pool profile.*
2. *Where tree roots along the bank are being undercut, evaluate cutting the trees on a case-by-case basis.*
3. *Live stakes may be used in select locations to control bank erosion. This method will not be effective for more severe bank erosion. Placement should consider future inevitable bank loss (stakes should be set back from any vertical or incised banks).*

Generally, the upper reaches of the brook (Reaches 3 – 6) are characterized by moderate grades. In Reach 3 the channel begins to transition to a bedrock substrate with a shallow overlay of sediment. Transitioning from Reach 3 to 4, some areas the channel bed are exposed bedrock. Sand and sediment bars are present in several locations. Stormwater outfalls (generally concrete pipes to degraded riprap splash pad) were observed in these reaches at several locations. A perched stormwater outfall is located downstream of the pump station below Squire Hill Apartments (see Photo 8). Riprap had been placed at the pipe outlet to protect from bank scour. However, the outlet is still set above the elevation of the riprap. A bedrock flume was observed in this channel reach upstream of the pump station. While stream velocities are higher, streambed erosion is limited due to the streambed's bedrock underlayment. Since the streambed elevation is stable, streambank erosion is present but limited when compared to the lower reaches.

Reach 3 – 6 Recommendations:

1. *Control streamflow velocity by constructing debris dams with woody debris that is currently within the stream corridor.*
2. *Enhance stormwater outfalls by reforming plunge pools using existing materials (e.g., riprap) that have eroded from outfall location.*
3. *Live stakes may be used in select locations to control bank erosion. This method will be more effective here than in the lower reaches since little bed erosion is occurring, bank erosion is more confined. Again, placement should consider future inevitable bank loss along the brook edges. Some erosion is acceptable in the upper reaches as the lower reaches are in need of some sediment to correct bed downcutting.*

Proposed "Phase 1" Activities

Many of the corrective actions require equipment, and access to the affected work areas. Grading back streambanks and installing revetments in the submerged zone will likely require permitting at the local, state, and federal level. Due to these challenges, it is recommended that the proposed channel restoration efforts occur in phases. The "Phase 1" work would primarily include hand

work that can be accomplished by crews with chain saws and hand tools. Small equipment working from uplands may assist with the placement of logs for debris dams in Reach 1. It is anticipated that only local permitting would be required for this work since in-stream impacts would be limited to the reconfiguration of woody debris already present in the stream channel, and insertion of live stakes on the streambanks.

It is anticipated that "Phase 2" work could include additional bank stabilization efforts in lower reaches of Pine Gutter Brook to regrade and stabilize the large vertical and incised stream banks where the bed elevation has dropped. This work, which is depicted on MMI's "Recommended Improvements" Plan (Reaches 1 and 2), would include streambank grading and installation of log revetments in the submerged zone, j-vanes, and additional debris dams. This work would require additional planning for access and construction. It is anticipated that this work would require local, state (CTDEEP), and federal (USACOE) permitting under General Permit #9 (New Shoreline & Bank Stabilization Projects and Living Shorelines) of the Department of the Army Regional General Permits for the State of Connecticut.

Phase 1 – Debris Dams and Streambank Stabilization with Live Stakes

Debris dams can be created and/or enhanced by reconfiguring existing woody debris that is present and abundant within portions of the stream channel. In the upper reaches debris dams will slow stream flow velocities during storm events. Where debris dams have been located downstream of broader floodplain terraces, some floodflow attenuation will occur. In lower reaches, debris dams will serve to control downcutting of the streambed (which exacerbates bank erosion) by capturing sediment erosion from upstream reaches. Debris dams will be created or reconfigured by hand cutting (with chain saws) the wood debris overhanging the brook and anchoring, as much as is as feasible by hand. See Representative Photos 3, 9, and 14.

Bank stabilization/erosion control plantings would consist of live stakes of shrub species known for their erosion control potential. The plantings would be placed on select eroded banks along Pine Gutter Brook in order to stabilize the banks and minimize future soil erosion.

1. Live stakes shall be purchased and installed during the dormant season, between November 15 and March 15.
2. Live stakes shall be dormant live cut branches of willow (*Salix spp.*) and dogwood (*Cornus spp.*) Purchased from an approved supplier. Plant material shall be dormant and free of splits, rot, disease and insect infestation.

3. Dormant live stakes shall be between 0.75 and 2 inches in diameter and 3 to 4 feet in length. Side branches shall be cleanly removed. The basal end of the cutting shall be cleanly cut at an angle and the top shall be cut square (flat).
4. If live stakes must be stored prior to planting, one third of the basal end shall be submerged in cold water.
5. Live stakes shall be installed basal end down, 2 – 3' apart, with at least two buds or bud scars above ground (generally 3 to 6 inches exposed). Exposure should be minimized to prevent desiccation.
6. Tubelings may also be used if live stakes are not available due to seasonal or other constraints. Tubelings shall be 5" deep plugs, 8'-24" in height, *Salix spp.* or *Cornus spp.*
7. The project wetland scientist shall inspect the installation during construction.
8. Irrigate the live stakes or tubelings prior to planting per supplier's recommendation.
9. The plantings shall be inspected once per year for three complete growing seasons after installation.

If you have any questions regarding these findings, please feel free to contact me.

Respectfully submitted,



Matthew Davison
Certified Professional Wetland Scientist
Professional Soil Scientist
matt@davisonenvironmental.com
www.davisonenvironmental.com

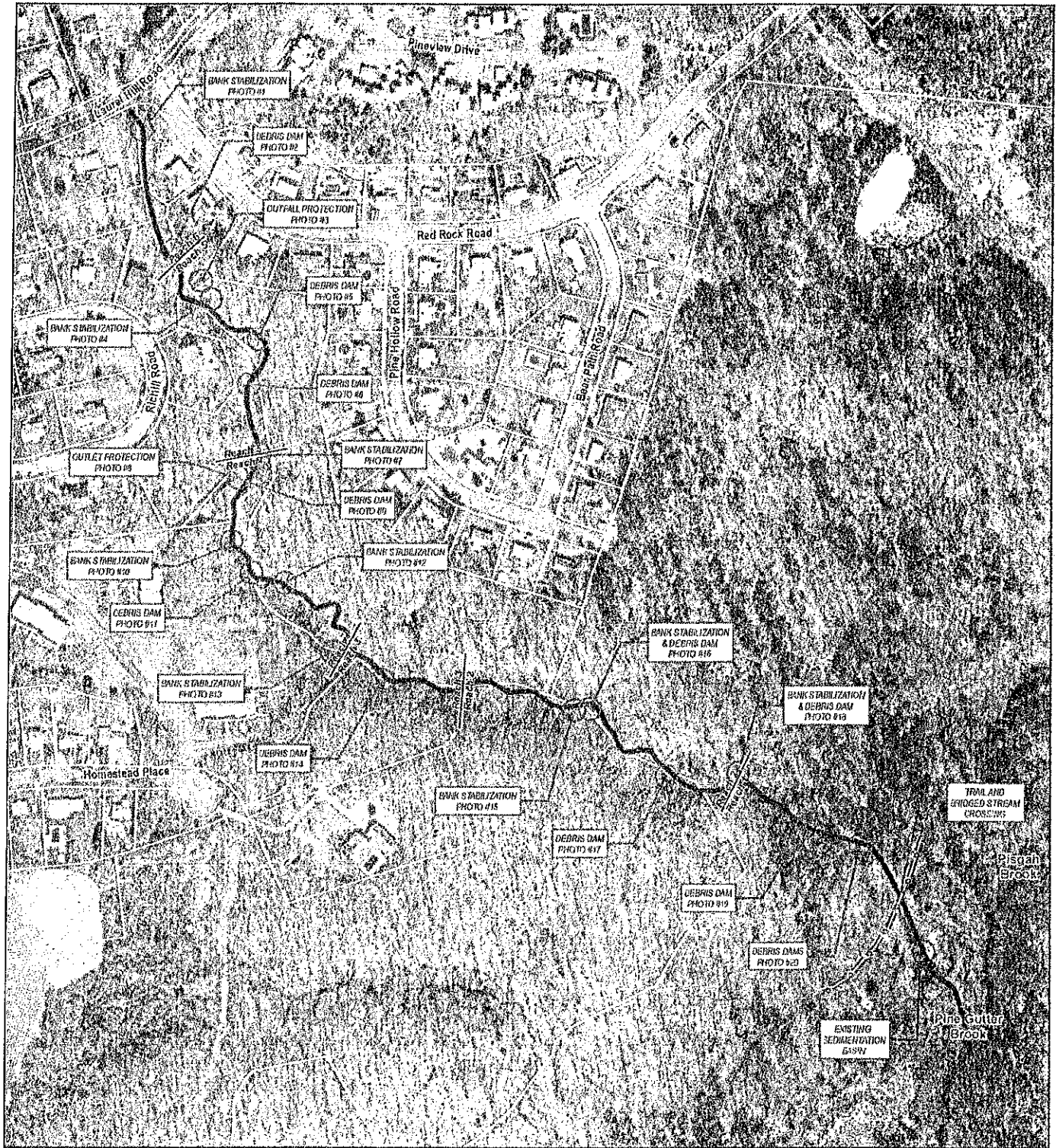
Attachment: Pine Gutter Brook Channel Restoration Map – Phase 1
Site Photographs

PINE GUTTER BROOK CHANNEL RESTORATION MAP – PHASE 1

RECEIVED

2023 JUN 21 P 2:25

M. J. Spivak
SHERIFF/TOWN CLERK



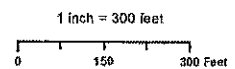
PINE GUTTER BROOK CHANNEL RESTORATION - PHASE 1
 Town of Branford Parks & Open Space
 Laurel Hill Road to Pisgah Brook, Branford, CT

Legend

- Pine Gutter Brook
- Reaches
- Trail and Bridged Stream Crossing
- Approximate Parcel Boundary

Map Notes/Disclaimer:
 This map was created using GIS/RTS level data, and is NOT a survey. This map should be used for graphical and informational purposes only.
 Data Source: CTEDD 2019 Aerial Imagery
 Map Date: December, 2022

SCALE



DAVISON ENVIRONMENTAL, LLC
 10 MAPLE STREET
 CHESTER, CT 06412
 860-803-0938



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 2023 JAN 27 P 2:25
 [Handwritten signature/initials]

SITE PHOTOGRAPHS

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Michael J. O'Brien
EMERSON COLLEGE LIBRARY

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22

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Signature
TOWN CLERK

Photo 1: bank stabilization (dormant live stakes)



Photo 2: debris dam

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 3: outlet protection (reconfigure with existing rip-rap)

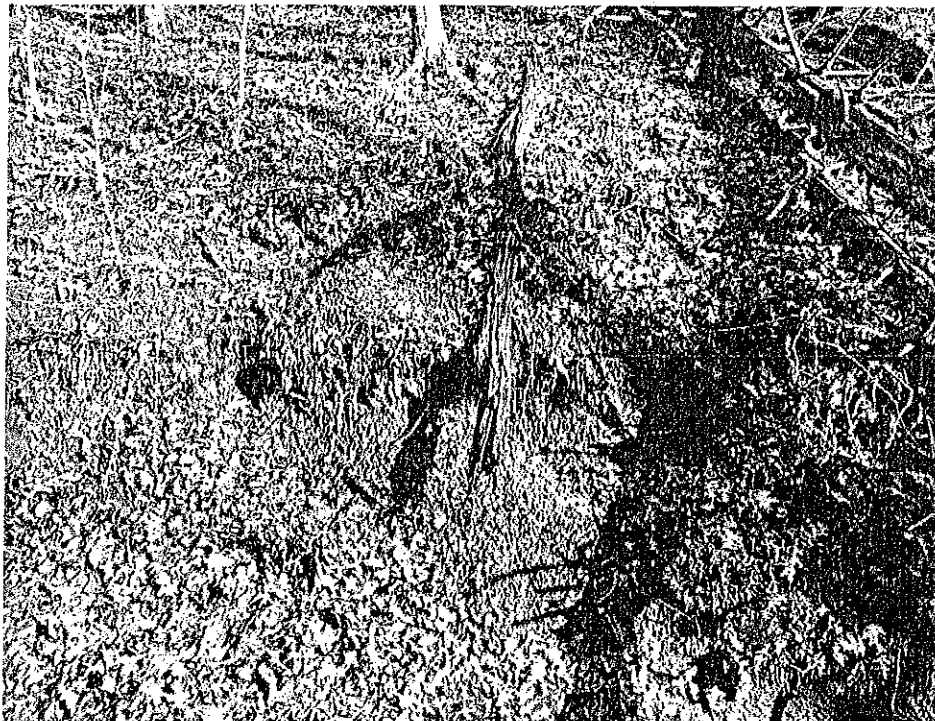


Photo 4: bank stabilization (dormant live stakes)

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 5: debris dam



Photo 6: debris dam

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 7: bank stabilization (dormant live stakes)



Photo 8: outlet protection (machine access from Squire Hill pump station access road)

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 9: debris dam

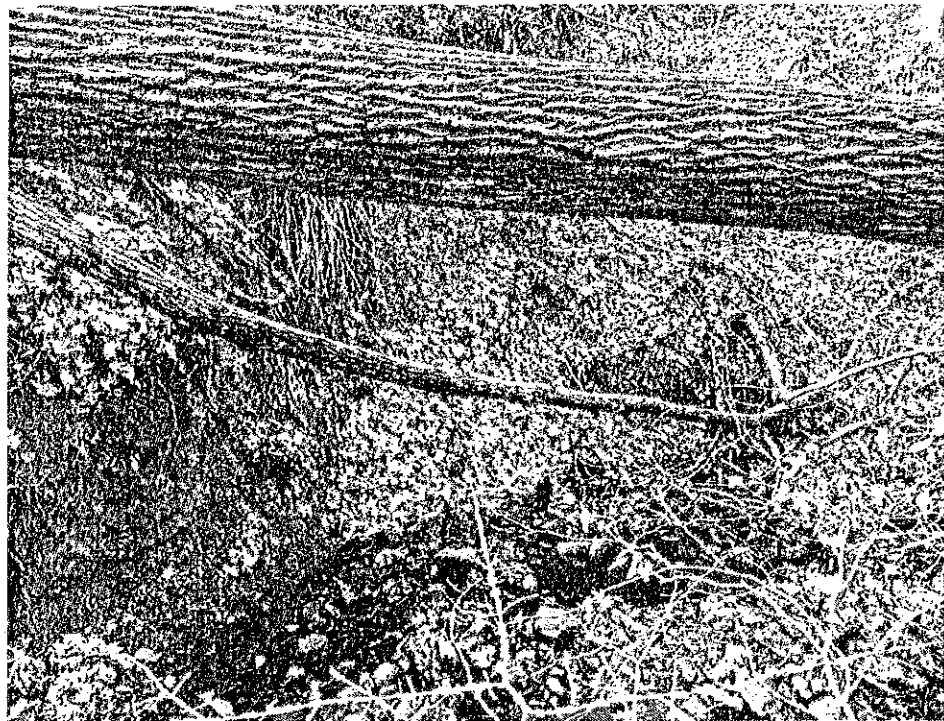


Photo 10: bank stabilization (dormant live stakes)

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 11: debris dam



Photo 12: bank stabilization (dormant live stakes)

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22

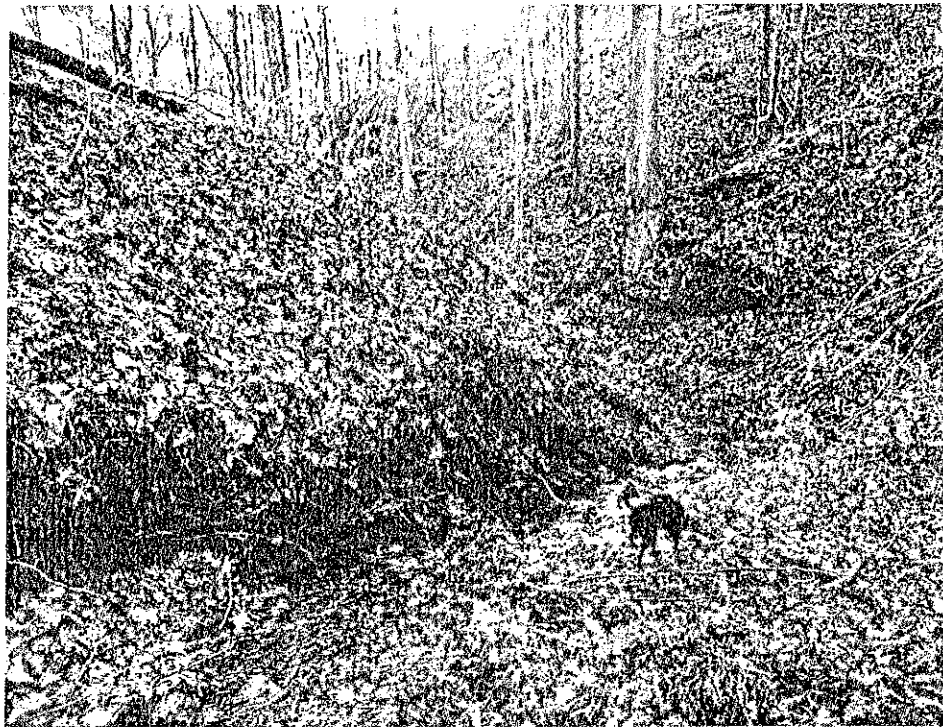


Photo 13: bank stabilization (dormant live stakes)



Photo 14: debris dam

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 15: bank stabilization (dormant live stakes)



Photo 16: bank stabilization (dormant live stakes) and debris dam

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration – Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 17: debris dam



Photo 18: bank stabilization (dormant live stakes) and debris dam

SITE PHOTOGRAPHS

Pine Gutter Brook Channel Restoration -- Phase 1

Laurel Brook Drive to Pisgah Brook

Photos Taken 11-28-22



Photo 19: debris dam



Photo 20: debris dams

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Item #7

2023 JAN 26 P 12: 23

TOWN OF BRANFORD
OFFICE OF THE TOWN ENGINEER
1019 MAIN STREET
POST OFFICE BOX 150
BRANFORD, CT 06405

Wes Sampson
BRANFORD TOWN CLERK

JOHN M. HOFFERLE, PE, CFM
TOWN ENGINEER

Tel. 203-315-0606
Fax: 203-315-2188

Mr. Joseph Mooney, Chairman
Board of Finance

January 24th, 2023

Re: Main Street Reconstruction Project
Increase to Consulting Services

Dear Chairman Mooney:

The Board of Finance and RTM had previously approved an appropriation of \$250,000 for design services for the reconstruction of Main Street in the center of town. The Engineering Department solicited Requests for Qualifications for design services, and through an interview process chose Weston & Sampson as the consultant who best met the project's needs.

The scope of work at that time was tailored towards what the Town believed to be the maximum allowable scope of work – the straightforward reconstruction of the roadway and parking areas, and resetting/replacement of granite curbing. During the Town's design development process, we were made aware a full reconstruction (from building facades on the north to the edge of walks on the south) would be eligible for LoTCIP funding, due to accessibility and safety reasons.

Once the Town and Weston/Sampson were able to expand the scope of the work, and after public input was received through surveys and an open house on the green, an updated preliminary design and cost estimate was provided to the Town for a full 'streetscape' project. The work proposed is in addition to the list above, and includes: full replacement of all brick sidewalks along Main Street; roadway and pedestrian lighting conversions (LED) for energy conservation; additional lighting where deemed necessary; crosswalk signalization upgrades; drainage upgrades; 'street furniture', including new garbage receptacles, benches (where necessary), and other sidewalk amenities; tree pits; seat walls; rain gardens; etc.

The change in scope increased the construction estimates from a conceptual estimate of \$2.5M to a current estimate of approximately \$8.3M. Bear in mind, 100% of eligible construction costs are funded through the State's LoTCIP program. As you are likely aware, Design Engineering costs are locally funded.


In the time between the original appropriation and this request, the Town has successfully received authorization from the South Central Regional Council of Governments (SCRCOG), the regional entity charged with approving all LoTCIP requests, and we have received a Commitment to Fund from the CT Department of Transportation for the revised scope.

I respectfully request an increase in the Design Engineering appropriation from \$250,000 to \$650,000 in order to facilitate the large increase in scope. The full appropriation will leverage the \$8.3M in State grants to rejuvenate the center of town for another few decades. With a full 'streetscape' project, the design team will switch gears from the already completed roadway design to focus on the Landscape Architecture scope of work.

I have enclosed a cost justification memo prepared by Weston and Sampson in support of increasing the construction costs. The memo provides more in-depth detail for the scope change and the extensive work proposed.

If you have any questions or would like to discuss these projects prior to the meeting, please feel free to reach out to my office. Thank you for your attention to this matter.

Sincerely,



John M. Hoeffler, PE, CFM
Town Engineer

Enclosures

cc: James Cosgrove, First Selectman
James Finch, Finance Director
Lisa Arpin, Town Clerk

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OFFICE OF THE TREASURER
BRANFORD, CONNECTICUT

2023 JAN 27 A 10:03



Ken Egan
BRANFORD TOWN CLERK

1019 MAIN STREET
POST OFFICE BOX 150

(203) 315-0663
Fax: (203) 315-3736
www.branford-ct.gov

Date: January 26, 2023
To: Joseph Mooney
Chairman, Board of Finance
From: James P. Finch *JPF*
Finance Director
Re: Resolution -Main Street Renovation

I attach for your review a resolution which supplements the request from the Town Engineer for an increase in the appropriation and debt authorization for the Main Street Improvement Project. Please note that the resolution (prepared by bond counsel) incorporates the expanded scope and funding requirements. The local share of the project is estimated at \$650,000. I should also underscore that nothing in the future precludes the town from funding the local share from non-debt sources.

Actions for Consideration:

Request a motion to waive the full reading of the resolution and I have attached a "First Person Version" for your use.

Approve the attached resolution.

Cc J. Cosgrove
J. Hoefferrle
L. Arpin

A RESOLUTION AMENDING "RESOLUTION APPROPRIATING \$2,750,000 FOR MAIN STREET ROAD AND RELATED IMPROVEMENTS AND AUTHORIZING THE ISSUE OF \$2,750,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE" TO INCREASE THE SCOPE OF THE PROJECT AND INCREASE THE APPROPRIATION AND BOND AUTHORIZATION THEREIN BY AN ADDITIONAL \$5,550,000

Handwritten signature
TOWN CLERK

WHEREAS, a resolution entitled "Resolution Appropriating \$2,750,000 For Main Street Road and Related Improvements And Authorizing The Issue Of \$2,750,000 Bonds Of The Town To Meet Said Appropriation And Pending The Issuance Thereof The Making Of Temporary Borrowings For Such Purpose" adopted by the Representative Town Meeting on February 12, 2020 (the "Original Resolution"); and

WHEREAS, the Town of Branford (the "Town") would like to amend the project scope of the Original Resolution to include the addition of the description of streetscape and other improvements.

NOW THEREFORE BE IT RESOLVED:

Section I. The Original Resolution is hereby ratified, confirmed and adopted, and is amended to modify the scope of the Project, to increase the appropriation and bond authorization therein by \$5,550,000, from \$2,750,000 to \$8,300,000, and to make amendments to such resolution as set forth herein.

Section II. The caption of the Original Resolution is replaced in its entirety as follows:

RESOLUTION APPROPRIATING \$8,300,000 FOR MAIN STREET ROAD AND RELATED IMPROVEMENTS AND AUTHORIZING THE ISSUE OF \$8,300,000 BONDS OF THE TOWN TO MEET SAID APPROPRIATION AND PENDING THE ISSUANCE THEREOF THE MAKING OF TEMPORARY BORROWINGS FOR SUCH PURPOSE

Section III. Section 1 of the Original Resolution is replaced in its entirety as follows:

Section 1. The sum of \$8,300,000 is appropriated for the planning, acquisition and construction of Main Street road and related improvements, including but not limited to, streetscape improvements (including, but not limited to, replacement of brick sidewalks, additional lighting and conversions to LED, crosswalk signal upgrades, furniture such as benches), connection and relocation, horizontal and vertical realignment, drainage installation, reclamation, paving, curbing, milling, capping, utility relocation, ADA compliance, sidewalks, and for improvements to structures or utilities, incidental, appurtenant or encountered in the course of or necessary to such road improvements and for engineering, design, traffic control, administrative, advertising, printing, legal and financing costs, capitalized interest, and

appurtenances and services related thereto (the "Project"). The appropriation is inclusive of grants, and bond proceeds reallocated from the Gateway Project.

Section IV. The first sentence of Section 3 of the Original Resolution is replaced in its entirety as follows:

Section 3. To meet said appropriation, \$8,300,000 bonds of the Town or so much thereof as shall be necessary for such purpose, shall be issued, maturing not later than the twentieth year after their date, or such later date as may be allowed by law.

Section V. Section 8 of the Original Resolution is replaced in its entirety as follows:

Section 8. It is hereby found and determined that it is in the public interest to issue all, or a portion of, the Bonds, Notes or other obligations of the Town authorized hereby as qualified private activity bonds, or with interest that is includable in gross income of the holders thereof for purposes of federal income taxation. The First Selectman and the Treasurer are hereby authorized to issue and utilize without further approval any financing alternative currently or hereafter available to municipal governments pursuant to law including but not limited to any "tax credit bonds," "tax-advantaged bonds," including direct payment and tax credit versions of such bonds.

Section VI. Sections 2 and 4 through 7 of the Original Resolution remain unchanged and are hereby ratified, confirmed and adopted.

MEMORANDUM

TO: John Hoeffler, PE – Town of Branford
FROM: Nicholas DePalermo, PE
DATE: May 6, 2022
SUBJECT: LOTCIP Estimate Adjustment
Main Street Reconstruction, Branford, CT
cc: Jennifer Acquino, Jamie Cosgrove – Town of Branford
Lisa Slonus, Ryan Chmielewski – Weston & Sampson

Nicholas DePalermo
BRANFORD TOWN CLERK

2022 JAN 26 P 12:23

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On behalf of the Town of Branford, Weston & Sampson has prepared this memorandum regarding estimated project costs for the Main Street Reconstruction project that is proposed along Main Street from Laurel Street to Chestnut Street. A LOTCIP Application, prepared by the Town, was submitted to SCCOG in June 2020, at which time the construction cost estimate was \$2,500,000 (attached).

The LOTCIP application was based on full depth reconstruction of Main Street, typically holding existing granite curb, except where curb extensions and bumpouts were proposed, minimal drainage improvements, and installation of ADA compliant sidewalk ramps and crosswalks.

Weston & Sampson provided qualifications and a price proposal in response to the Town's request for qualifications in Summer 2020. After attending an interview with Town representatives, Weston & Sampson was awarded the contract and an agreement was signed in January 2021 to perform certain professional engineering services for the Main Street Reconstruction and Rehabilitation project.

During the preliminary design process additional improvements were identified as beneficial to the project particularly for pedestrian safety and ADA compliance, as well as additional items necessary to construct the full depth reconstruction of the roadway. The attached photographs illustrate some of the existing sidewalk conditions which include:

- Non-ADA compliant sidewalk cross slopes
- Non-ADA compliant handicap parking spaces
- Parking spaces with no direct access to sidewalks
- Heaving sidewalks
- Spalling concrete sidewalks
- Trip hazards
- Uneven pavement settlement
- Popping pavers
- Ponding

Based on review of sidewalk cross sections every 50' along the project corridor, it is estimate that nearly 50% of the existing sidewalks are not ADA compliant due to cross slope alone.

During the Preliminary Design phase, two major alternatives were presented to the Town for review in September 2021:

1. The first alternative limits ADA improvements to the sidewalk ramps and crosswalks as presented in the LOTCIP application.
2. The second alternative extended ADA improvements to also include reconstruction of the sidewalk from curb line to building facades as well as upgrading existing pedestrian level lighting and extend pedestrian level lighting to locations current unlit increasing pedestrian visibility.

Since so much of the sidewalk system is currently in need of ADA improvements and the integral nature of reconstructing Main Street that works with the necessary sidewalk and curb line grades necessary to provide ADA compliant access to the built up downtown, it was decided that the Town would like to move forward with the second alternative that includes reconstruction of the sidewalk from curb line to building facades.

Due to the anticipated cost increase by more than 20%, this memorandum has been prepared as the justification document and includes a side-by-side comparison of the June 2020 LOTCIP Application project cost and November 2021 preliminary project cost (attached). Project cost increase is not solely an outcome of full sidewalk reconstruction, but a result of a more thorough design. Categories of costs that increased include:

1. Sidewalk & Roadway Items
2. Drainage Items
3. Traffic & Electrical Items
4. Erosion & Dust Control Items
5. Utility Relocation Items
6. Landscape Items
7. Construction Staging & Maintenance and Protection of Traffic
8. Minor Item Allowance
9. Clearing and Grubbing
10. Mobilization and Project Closeout
11. Construction Staking
12. Inflation
13. Contingencies & Incidentals

The current total project cost is approximately \$8,281,200.

The following provides a detailed breakdown of significant item differences as well as new items not included in the LOTCIP application.

1. Sidewalk & Roadway Items

The LOTCIP application estimate was determined based on the original scope of the project. This included roadway reconstruction, typically maintaining existing granite curb and existing concrete paver sidewalk, and new concrete sidewalk ramps. The construction of sidewalk bump-outs and decorative crosswalks was also included in the original scope.

Based on the expanded project scope for increased pedestrian safety and ADA compliance, the cost for sidewalk and roadway items has significantly increased. The following is a list of proposed roadway and sidewalk items and the difference in quantities between the LOTCIP application estimate and the preliminary design construction cost estimate.

ITEM TYPE	QUANTITY DIFFERENCE
CUT CONCRETE PAVEMENT	+65 LF
REMOVAL OF CONCRETE PAVEMENT	+10,000 SY
REMOVAL OF CONCRETE SIDEWALK	-183 SY
CUT BITUMINOUS CONCRETE PAVEMENT	+429 LF
FORMATION OF SUBGRADE	+11,930 SY
SUBBASE	+273 CY
PROCESSED AGGREGATE BASE	-494 CY
HMA S1.0	+240 TON
HMA S0.375	-465 TON
MATERIAL FOR TACK COAT	+2,450 GAL
GRANITE STONE CURBING	+1,261 LF
RESET GRANITE STONE CURBING	+3,165 LF
CONCRETE SIDEWALK RAMP*	+5,131 SF
BRICK PAVING	+41,423 SF
DETECTABLE WARNING STRIP	+40 EA
DECORATIVE CROSSWALK	+6810 SF
BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)	+155 SY
BRICK DRIVEWAY	+3100 SF
EARTH EXCAVATION**	-2600 CY
ROCK EXCAVATION	+175 CY

* Item was shown as each, but should be SF, LOTCIP Application estimate was 50% less cost than the November 2021 estimate.

** A portion of earth excavation has been shifted to "Removal of Concrete Pavement" to account for the removal of the existing concrete base below the roadway. The extent of the concrete base was determined by performing test pits and borings and it was concluded that the limits of the concrete pavement extended much further into the project area than anticipated in the LOTCIP application.

- Difference in cost subtotal, +\$1,979,155.50

2. Drainage

The LOTCIP application included a minimal amount of drainage comprising of 23 catch basins. During preliminary design a detailed drainage analysis was performed. A proposed drainage plan has been

developed to reduce gutter spreads, increase system capacities, and improve water quality. The following is a list of the change in proposed drainage items.

ITEM TYPE	QUANTITY DIFFERENCE
TYPE 'C' CATCH BASIN – 0' – 10' DEEP	+7 EA
OFFSET TYPE 'C' CATCH BASIN - 0'-10' DEEP	+3 EA
MANHOLE – 0'-10' DEEP	+1 EA
RESET TYPE 'C' CATCH BASIN	+3 EA
RESET MANHOLE (STORM)	+9 EA
TYPE 'C' CATCH BASIN TOP	+8 EA
CLEAN DRAINAGE SYSTEM	LS
12" R.C. PIPE - 0' - 10' DEEP	+1100 LF
15" R.C. PIPE – 0'-10' DEEP	+250 LF
18" R.C. PIPE - 0' - 10' DEEP	+110 LF
24" R.C. PIPE - 0' - 10' DEEP	+116 LF

- Difference in cost subtotal, +\$176,400

3. Traffic & Electrical Items

The LOTCIP application only included items for a signal controller upgrade, pedestrian signals, minimal signing, and minimal pavement marking. To improve visibility for pedestrians and drivers, the existing pedestrian level lighting on Main Street will be upgraded and supplemented with additional pedestrian level lighting.

ITEM TYPE	QUANTITY DIFFERENCE
LIGHT STANDARD FOUNDATION	+21 EA
DECORATIVE LIGHT POLE WITH SINGLE LUMINAIRE	+14 EA
DECORATIVE LIGHT POLE AND LIGHT FIXTURE (STREET)	+7 EA
REMOVE EXISTING LUMINAIRE	+97 EA
LED LUMINAIRE	+97 EA
2" POLYVINYL CHLORIDE CONDUIT IN TRENCH	+1000 LF
CONCRETE HANDHOLE	+21 EA
NO. 8 BARE COPPER GROUNDING CONDUCTOR	+3500 LF
NO. 10 BARE COPPER GROUNDING CONDUCTOR	+7000 LF
NO. 6 BARE COPPER GROUNDING CONDUCTOR	+2400 LF
PAINT EXISTING DECORATIVE LIGHT POLE	+80 EA
REMOVAL AND RELOCATION OF EXISTING SIGNS	+1 LS
SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	+395 SF
4" WHITE EPOXY RESIN PAVEMENT MARKINGS	+5800 LF
4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	+3885 LF
EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS	+700 SF
12" WHITE EPOXY RESIN PAVEMENT MARKINGS	+1600 LF

- Difference in cost subtotal, +\$533,425.50

4. Erosion & Dust Control Items

The LOTCIP application did not include erosion or dust control items. The preliminary construction estimate includes additional sedimentation/erosion and dust control items:

ITEM TYPE	QUANTITY DIFFERENCE
SEDIMENTATION CONTROL SYSTEM	+1680 LF
SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN	+44 EA
SWEEPING FOR DUST CONTROL	+120 HR
WATER FOR DUST CONTROL	+575 MGAL
CALCIUM CHLORIDE FOR DUST CONTROL	+4 TON

- Difference in cost subtotal, +\$21,110

5. Utility Relocation Items

The LOTCIP application did not include any cost for utility relocations.

ITEM TYPE	QUANTITY DIFFERENCE
RESET WATERGATE	+19 EA
RESET MANHOLE (SANITARY SEWER)	+11 EA
RESET MANHOLE (TELEPHONE)	+9 EA

- Difference in cost subtotal, +\$26,965.00

6. Landscape Items

Additional streetscape features have been included in the preliminary construction cost estimate. Items include landscape and furniture include seat wall planters, benches, trash receptacles, brick pavers, rain gardens, new tree plantings and extending the streetscape lighting. These durable streetscape elements will improve the user experience and connect business to the streetscape better. New tree and rain garden plantings will provide shade and improve the air and water quality. In addition, water quality improvements will disconnect impervious areas and contribute to the Town's MS4 goals and requirements.

ITEM TYPE	QUANTITY DIFFERENCE
FURNISHING AND PLACING TOPSOIL	+1350 SY
STRUCTURAL SOIL	+1060 CY
FURNISHING, PLANTING, AND MULCHING TREES, SHRUBS, VINES AND GROUND COVER PLANTS	+1 LS
TURF ESTABLISHMENT	+1350 SY
RAIN GARDEN PLANTER	+34 EA
SEAT WALL PLANTER	+14 EA
BENCH	+25 EA
TRASH CAN	+20 EA

- Difference in cost subtotal, +\$616,440.00

7. Construction Staging & Maintenance and Protection of Traffic

The LOTCIP application did not include items for traffic persons, municipal police, a field office, or items such as traffic cones and drums.

ITEM TYPE	QUANTITY DIFFERENCE
CONSTRUCTION FIELD OFFICE, SMALL	+8 MO
TRAFFICPERSON (MUNICIPAL POLICE OFFICER)	+145,000 EST
TRAFFICPERSON (UNIFORMED FLAGGER)	+800 HR
TRAFFIC CONE	+50 EA
TRAFFIC DRUM	+30 EA
CONSTRUCTION SIGNS	+150 SF

- Difference in cost subtotal, +\$202,160.00

8. Minor Item Allowance

The increased construction item subtotal in the new estimate has resulted in an increased minor item allowance. Due to the detail of the preliminary cost estimate, the percentage was lowered from 20% to 15%. This still resulted in an increase in cost.

- Difference in cost subtotal is +\$ 457,025

9. Clearing and Grubbing

The LOTCIP application did not include clearing and grubbing.

- Cost Difference subtotal: +\$58,270

10. Mobilization and Project Closeout

The LOTCIP application has 7% for Mobilization and Project Closeout. The increased construction item subtotal in the preliminary construction cost estimate has resulted in an increase to Mobilization and Project Closeout.

- Cost Difference subtotal: +\$280,622

11. Construction Staking

The LOTCIP application has 1% for Construction Staking. The increased construction item subtotal in the preliminary construction cost estimate has resulted in a greater subtotal.

- Cost Difference subtotal: +\$40,100

12. Inflation

The increased construction item subtotal in the new estimate has resulted in a greater cost for inflation. In addition, the duration of the project timeline has increased due to the expansion of the scope.

- Cost Difference subtotal: +\$243,333

13. Contingencies & Incidentals

The increased construction item subtotal in the new estimate has resulted in an increase for contingencies and incidentals. Both estimates used 10% for contingencies and 10% for incidentals. The LOTCIP cost estimate used the Major and Minor Contract Items Subtotal as a basis to calculate the 10% contingencies and incidentals. The preliminary construction cost estimate calculates contingencies and incidentals based on the Total Contract Cost Estimate, per LOTCIP guidelines.

- Cost Difference subtotal: +\$1,016,572

The total cost difference is +\$5,781,200.

ATTACHMENTS

Photos

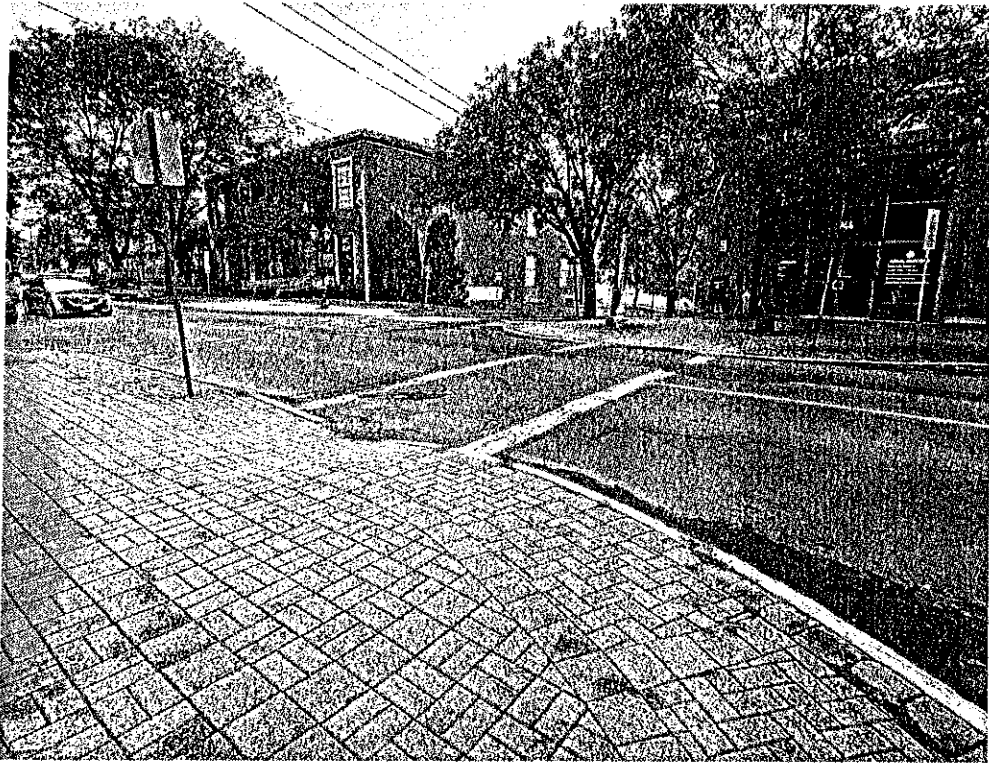


Figure 1. Representative photo of non-ADA compliant sidewalk ramps and crosswalks in poor condition.



Figure 2. Non-ADA compliant handicap parking spaces.



Figure 3. On-street parking spaces with no direct access to sidewalks.

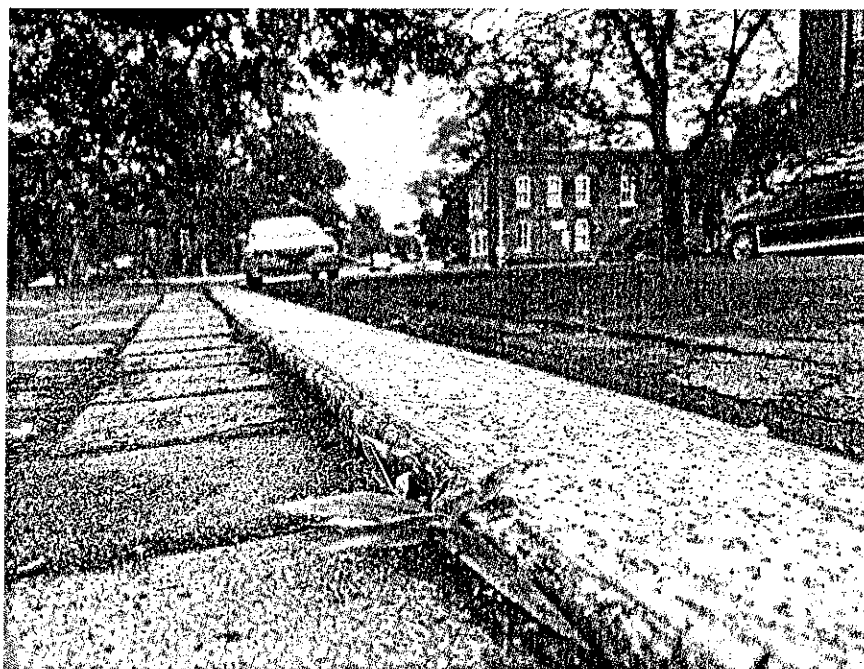


Figure 4. Representative photo of trip hazard at curb where sidewalk pavers have settled. This differential settlement also causes ponding of storm drainage on sidewalk surface.



Figure 5. Erosion at back of sidewalk.



Figure 6. Heaving of pavers causing trip hazards.



Figure 7. Example of non ADA-compliant sidewalk cross slopes.

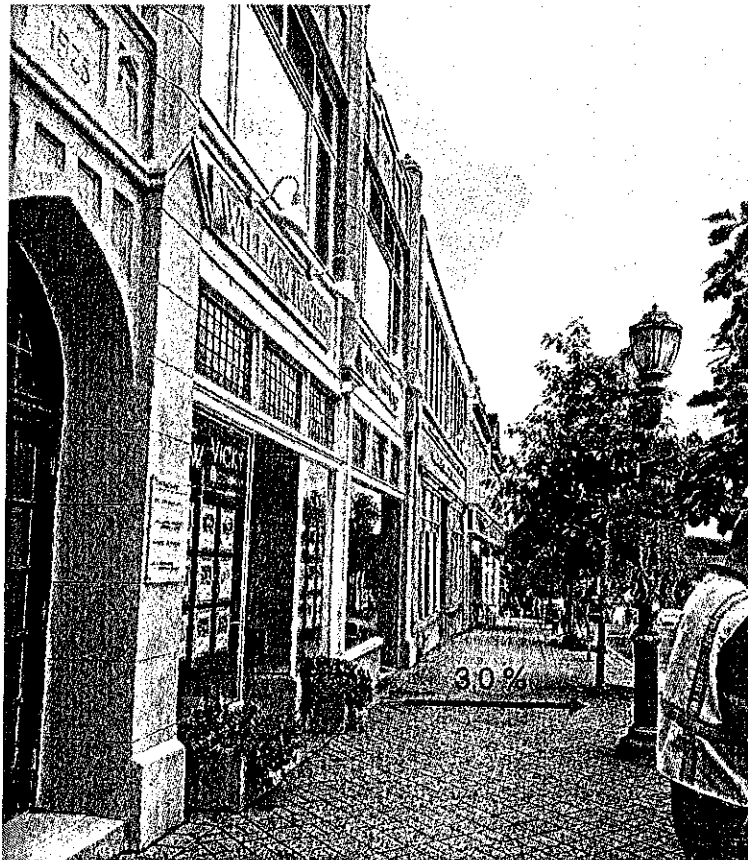


Figure 8. Example of non-ADA compliant sidewalk cross slopes.

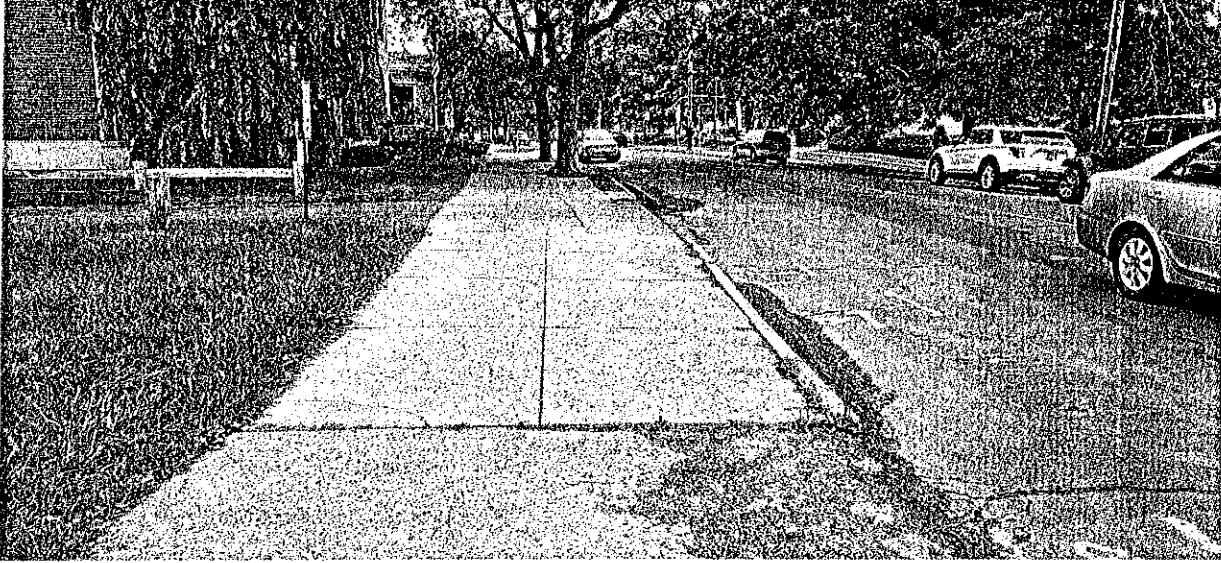


Figure 9. Spalling concrete sidewalk and heaving sidewalk at trees.

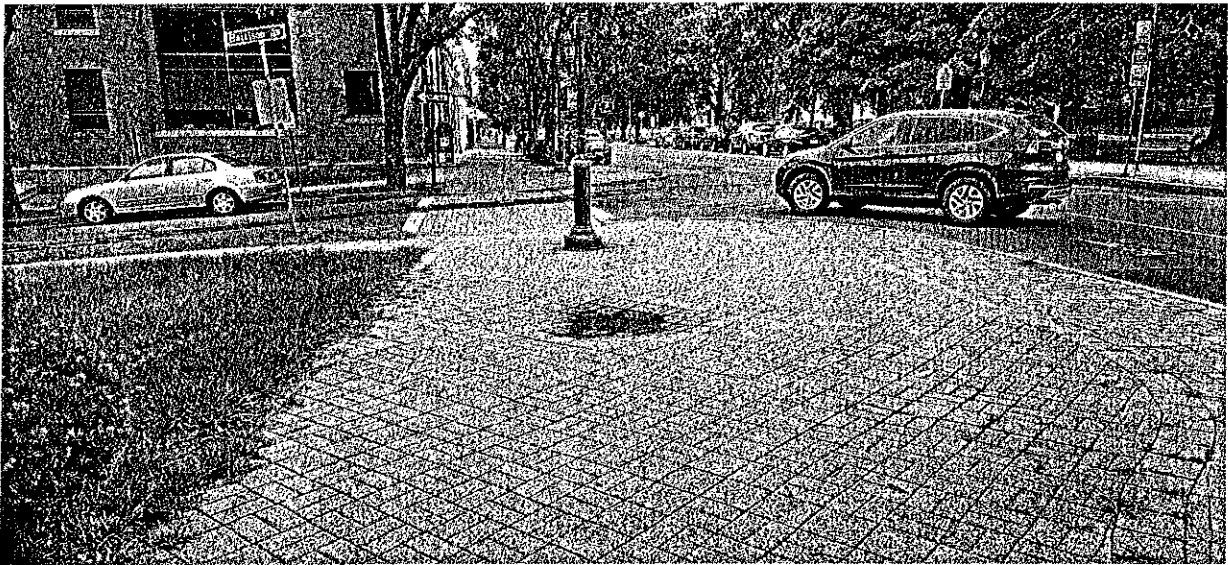


Figure 10. Uneven pavement settlement causing ponding.

LOT/CIP Application Estimate

TOWN OF BRANFORD
ENGINEERING DEPARTMENT
MAIN STREET RECONSTRUCTION - PRELIM ESTIMATE
SOUTH MAIN STREET TO CHESTNUT STREET

7/27/2020
 JA/JMH

ITEM	QTY		UNIT PRICE	EXTENDED
CROSSWALKS				
Earth Excavation - included in road excavation				
pavers for crosswalks	7887	SF	\$ 27.20	\$ 214,526.40
4" reinforced PCC base	7887	SF	\$ 8.40	\$ 66,250.80
6" processed base	146	CY	\$ 65.60	\$ 9,577.60
ADA ramps @ crosswalks	40	EACH	\$ 1,300.00	\$ 52,000.00
CURBING				
granite curbing straight	598	LF	\$ 56.40	\$ 33,727.20
granite curbing curved	141	LF	\$ 80.60	\$ 11,364.60
reset granite curbing	335	LF	\$ 50.00	\$ 16,750.00
SIDEWALKS				
concrete sidewalk removal	273	SY	\$ 69.80	\$ 19,055.40
concrete sidewalk to paver-pavers	2450	SF	\$ 27.20	\$ 66,640.00
4" reinforced PCC base	2450	SF	\$ 8.40	\$ 20,580.00
6" processed base	45.5	CY	\$ 65.60	\$ 2,984.80
concrete apron removal	37.5	SY	\$ 69.80	\$ 2,617.50
concrete apron to paver-pavers	355	SF	\$ 27.20	\$ 9,656.00
4" reinforced CC base	355	SF	\$ 8.40	\$ 2,982.00
6" processed base	6.6	CY	\$ 65.60	\$ 432.96
replace damaged pavers	44.5	SF	\$ 30.00	\$ 1,335.00
reset brick pavers	840	SF	\$ 30.00	\$ 25,200.00
stop sign	1	EACH	\$ 457.20	\$ 457.20
sign post	4	EACH	\$ 600.00	\$ 2,400.00
stop bar	10	LF	\$ 3.00	\$ 30.00
crosswalk signs	2	EACH	\$ 457.20	\$ 914.40
pedestrian signal 1 way	4	EACH	\$ 750.00	\$ 3,000.00
pedestrian signal 2 way	1	EACH	\$ 1,000.00	\$ 1,000.00
asphalt apron & patch	70	SY	\$ 50.00	\$ 3,500.00
ROADWAY				
EARTH EXCAVATION	5950	CY	\$ 21.00	\$ 124,950.00
AGGREGATE SUBBASE	2400	CY	\$ 45.00	\$ 108,000.00
PROCESSED AGGREGATE BASE	1830	CY	\$ 65.00	\$ 118,950.00
HMA S1.0	1875	T	\$ 120.00	\$ 225,000.00
HMA S0.375	1875	T	\$ 120.00	\$ 225,000.00
CATCHBASINS	23	EACH	\$ 4,184.20	\$ 96,236.60
SIGNAL CONTROLLER UPGRADES, COMPLETE	1	EACH	\$ 50,000.00	\$ 50,000.00
MINOR ITEMS (20%)	1	LS	\$ 303,023.69	\$ 303,023.69
MOBILIZATION (7%)	1	LS	\$ 127,269.95	\$ 127,269.95
M&P OF TRAFFIC (4%)	1	LS	\$ 72,725.69	\$ 72,725.69
STAKING SERVICES (1%)	1	LS	\$ 18,181.42	\$ 18,181.42
INFLATION (4%/YEAR)	1	LS	\$ 72,725.69	\$ 72,725.69
CONTINGENCIES (10%)	1	LS	\$ 181,814.22	\$ 181,814.22
INCIDENTALS (10%)	1	LS	\$ 181,814.22	\$ 181,814.22

TOTAL \$ 2,472,673.33
 SAY \$ 2,500,000.00

Preliminary Design Estimate

Preliminary Construction Cost Estimate | LOTCIP Application
 Main Street Reconstruction, Branford, CT

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
0202000	Earth Excavation	C.Y.	3350	\$ 22.80	\$ 76,380.00
0202100	Rock Excavation	C.Y.	175	\$ 32.00	\$ 5,600.00
0202501	Cut Concrete Pavement	L.F.	65	\$ 1.80	\$ 117.00
0202502	Removal of Concrete Pavement	S.Y.	10000	\$ 20.00	\$ 200,000.00
0202513	Removal of Concrete Sidewalk	S.Y.	90	\$ 41.30	\$ 3,717.00
0202529	Cut Bituminous Concrete Pavement	L.F.	429	\$ 4.50	\$ 1,930.50
0209001	Formation of Subgrade	S.Y.	11930	\$ 3.00	\$ 35,790.00
0212000	Subbase	C.Y.	2673	\$ 40.00	\$ 106,920.00
0219001	Sedimentation Control System	L.F.	1680	\$ 4.50	\$ 7,560.00
0219011A	Sedimentation Control System at Catch Basin	EA.	44	\$ 150.00	\$ 6,600.00
0304002	Processed Aggregate Base	C.Y.	1336	\$ 50.00	\$ 66,800.00
0406170	HMA 51.0	TON	2115	\$ 110.00	\$ 232,650.00
0406172	HMA 50.375	TON	1410	\$ 115.00	\$ 162,150.00
0406236	Material for Tack Coat	GAL.	2450	\$ 8.00	\$ 19,600.00
0586001.10	Type 'C' Catch Basin - 0' - 10' Deep	EA.	30	\$ 3,055.00	\$ 91,650.00
0586013.10	Offset Type 'C' Catch Basin 0'-10' Deep	EA.	3	\$ 6,500.00	\$ 19,500.00
0586500.10	Manhole - 0' - 10' Deep	EA.	1	\$ 4,130.00	\$ 4,130.00
0586601	Reset Type 'C' Catch Basin	EA.	3	\$ 1,130.00	\$ 3,390.00
0586651	Reset Manhole (Storm)	EA.	9	\$ 1,155.00	\$ 10,395.00
0586750	Type 'C' Catch Basin Top	EA.	8	\$ 700.00	\$ 5,600.00
0653002	Clean Existing Drainage System	L.S.	1	\$ 15,000.00	\$ 15,000.00
0686000.12	12" R.C. Pipe - 0' - 10' Deep	L.F.	1100	\$ 70.00	\$ 77,000.00
0686000.15	15" R.C. Pipe - 0' - 10' Deep	L.F.	250	\$ 85.00	\$ 21,250.00
0686000.18	18" R.C. Pipe - 0' - 10' Deep	L.F.	110	\$ 93.00	\$ 10,230.00
0686000.24	24" R.C. Pipe - 0'-10' Deep	L.F.	116	\$ 125.00	\$ 14,500.00
0813012	5" X 18" Granite Stone Curbing	L.F.	2000	\$ 46.00	\$ 92,000.00
0814002	Reset Granite Stone Curbing	L.F.	3500	\$ 30.00	\$ 105,000.00
0921005	Concrete Sidewalk Ramp	S.F.	5131	\$ 21.00	\$ 107,751.00
0921018	Brick Paving	S.F.	53000	\$ 35.00	\$ 1,855,000.00
0921039	Detectable Warning Strip	EA.	40	\$ 275.00	\$ 11,000.00
0922050A	Decorative Crosswalk	S.F.	6810	\$ 18.00	\$ 122,580.00
0922500	Bituminous Concrete Driveway (Commercial)	S.Y.	155	\$ 50.00	\$ 7,750.00
0922507	Brick Driveway	S.F.	3100	\$ 40.00	\$ 124,000.00
0939001	Sweeping for Dust Control	HR.	120	\$ 35.00	\$ 4,200.00
0942001	Calcium Chloride for Dust Control	TON	4	\$ 400.00	\$ 1,600.00
0943001	Water for Dust Control	M. GAL	575	\$ 2.00	\$ 1,150.00
0944000	Furnishing and Placing Topsoil	S.Y.	1350	\$ 12.50	\$ 16,875.00
0944105	Structural Soil	C.Y.	1050	\$ 75.00	\$ 79,500.00
0949003	Furnishing, Planting, and Mulching Trees, Shrubs, Vines and Ground Cover Plants	L.S.	1	\$ 150,000.00	\$ 150,000.00
0950005	Turf Establishment	S.Y.	1350	\$ 3.75	\$ 5,062.50
0952103A	Rain Garden Planter	EA.	34	\$ 5,000.00	\$ 170,000.00
0952104A	Seat Wall Planter	EA.	14	\$ 9,000.00	\$ 126,000.00
0969060A	Construction Field Office, Small	MO.	8	\$ 2,600.00	\$ 20,800.00
0970006	Trafficperson (Municipal Police Officer)	EST.	145000	\$ 1.00	\$ 145,000.00
0970007	Trafficperson (Uniformed Flagger)	HR.	800	\$ 38.00	\$ 30,400.00
0977001	Traffic Cone	EA.	50	\$ 19.00	\$ 950.00
0978002	Traffic Drum	EA.	30	\$ 70.00	\$ 2,100.00
0992090A	Bench	EA.	25	\$ 2,000.00	\$ 50,000.00
0992103A	Trash Can	EA.	20	\$ 950.00	\$ 19,000.00
1002103	Light Standard Foundation	EA.	21	\$ 960.00	\$ 20,160.00
1003585A	Decorative Light Pole with Single Luminaire	EA.	14	\$ 6,000.00	\$ 84,000.00
1003595A	Decorative Light Pole and Light Fixture (Street)	EA.	7	\$ 8,000.00	\$ 56,000.00
1003925A	Remove Existing Luminaire	EA.	97	\$ 150.00	\$ 14,550.00
1005600A	LED Luminaire	EA.	97	\$ 750.00	\$ 72,750.00
1008127	2" Polyvinyl Chloride Conduit In Trench	L.F.	1000	\$ 10.00	\$ 10,000.00
1010001	Concrete Handhole	EA.	21	\$ 485.00	\$ 10,185.00
1015001	No. 8 Bare Copper Grounding Conductor	L.F.	3500	\$ 1.25	\$ 4,375.00
1015002	No. 10 Bare Copper Grounding Conductor	L.F.	7000	\$ 0.75	\$ 5,250.00
1015003	No. 6 Bare Copper Grounding Conductor	L.F.	2400	\$ 1.97	\$ 4,728.00
1103050A	Paint Existing Decorative Light Pole	EA.	80	\$ 2,500.00	\$ 200,000.00
1106003	1 Way Pedestrian Signal Pedestal Mounted	EA.	2	\$ 675.00	\$ 1,350.00
1106004	2 Way Pedestrian Signal Pedestal Mounted	EA.	2	\$ 1,400.00	\$ 2,800.00
1108110	Traffic Signal Controller	EA.	1	\$ 50,000.00	\$ 50,000.00
1206023A	Removal and Relocation of Existing Signs	L.S.	1	\$ 7,500.00	\$ 7,500.00
1208931	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	S.F.	403	\$ 55.00	\$ 22,165.00
1210101	4" White Epoxy Resin Pavement Markings	L.F.	5800	\$ 1.50	\$ 8,700.00
1210102	4" Yellow Epoxy Resin Pavement Markings	L.F.	3885	\$ 2.50	\$ 9,712.50
1210105	Epoxy Resin Pavement Markings, Symbols and Legends	S.F.	700	\$ 5.00	\$ 3,500.00
1210106	12" White Epoxy Resin Pavement Markings	L.F.	1600	\$ 2.00	\$ 3,200.00
1220027	Construction Signs	S.F.	150	\$ 19.40	\$ 2,910.00
1302053A	Reset Water Gate	EA.	19	\$ 250.00	\$ 4,750.00
1303189A	Reset Existing Fire Hydrant	EA.	1	\$ 2,850.00	\$ 2,850.00

1403501A	Reset Manhole (Sanitary Sewer)	EA.	11	\$ 705.00	\$ 7,755.00
1500210	Reset Manhole (Telephone)	EA.	9	\$ 1,290.00	\$ 11,610.00
A Major Items Subtotal					\$ 5,066,979
B Minor Items Subtotal (0% at Final Design)					\$ 760,047
C Major and Minor Contract Items Subtotal (A + B)					\$ 5,827,026
Other Item Allowances					
Clearing and Grubbing (suggested 0.5% - 2%)	1	% of Line "C"		\$	58,270
M & P of Traffic (suggested 2% - 5%)	4	% of Line "C"		\$	233,081
Mobilization (suggested 4% - 10%)	7	% of Line "C"		\$	407,892
Construction Staking (suggested 1% - 2%)	1	% of Line "C"		\$	58,270
D Other Items Subtotal					\$ 757,513
E CONTRACT SUBTOTAL (C + D)					\$ 6,584,539
Inflation Costs (Simple Method)					
Date of Estimate (provide date of estimate)		Nov-21			
Anticipated Bid Date (provide anticipated bid date)		Feb-23			
Base Years		1.2			
Annual Inflation (4% annually, 0% at Final Design)		4%			
F Inflation Subtotal					\$ 316,058
G TOTAL CONTRACT COST ESTIMATE (E + F) (Rounded to nearest \$1000)					\$ 6,901,000
LOTICIP Project Costs Summary					
Contract Cost Estimate (Line "G")				\$	6,901,000
Contingencies (10% for all LOTICIP projects)	10%			\$	690,100
Incidentals (10% for all LOTICIP projects)	10%			\$	690,100
ROW	LS				N/A
Utilities	LS				N/A
TOTAL PROJECT COST					\$ 8,281,200

Estimate Comparison
(LOT/CIP Application versus Preliminary Design)

Side By Side Comparison - Preliminary Construction Cost Estimate | LOTCIP Application
Main Street Reconstruction, Branford, CT

Major and Minor Contract Items		Preliminary Design Construction Cost Estimate				LOTCIP Application Cost Estimate		
Item No.	Item	Unit	Quantity	Unit \$	Total Cost	Quantity	Unit \$	Total Cost
0202000	Earth Excavation	C.Y.	3350	\$ 22.80	\$ 76,380.00	5950	\$ 21.00	\$ 124,950.00
0202100	Rock Excavation	C.Y.	175	\$ 32.00	\$ 5,600.00			\$ -
0202501	Cut Concrete Pavement	L.F.	85	\$ 1.80	\$ 117.00			\$ -
0202502	Removal of Concrete Pavement	S.Y.	10000	\$ 20.00	\$ 200,000.00			\$ -
0202513	Removal of Concrete Sidewalk	S.Y.	90	\$ 41.30	\$ 3,717.00	273	\$ 69.80	\$ 19,055.40
0202529	Cut Bituminous Concrete Pavement	L.F.	429	\$ 4.50	\$ 1,930.50			\$ -
0209001	Formation of Subgrade	S.Y.	11930	\$ 3.00	\$ 35,790.00			\$ -
0212000	Subbase	C.Y.	2673	\$ 40.00	\$ 106,920.00	2400	\$ 45.00	\$ 108,000.00
0219001	Sedimentation Control System	L.F.	1680	\$ 4.50	\$ 7,560.00			\$ -
0219011A	Sedimentation Control System at Catch Basin	EA.	44	\$ 150.00	\$ 6,600.00			\$ -
0304002	Processed Aggregate Base	C.Y.	1336	\$ 50.00	\$ 66,800.00	1830	\$ 65.00	\$ 118,950.00
0406170	HMA 51.0	TON	2115	\$ 110.00	\$ 232,650.00			\$ -
0406172	HMA 50.375	TON	1410	\$ 115.00	\$ 162,150.00	1875	\$ 120.00	\$ 225,000.00
0406236	Material for Tack Coat	GAL.	2450	\$ 8.00	\$ 19,600.00			\$ -
0586001.20	Type 'C' Catch Basin - 0' - 10' Deep	EA.	30	\$ 3,055.00	\$ 91,650.00	23	\$ 4,184.20	\$ 96,236.60
0586013.10	Offset Type 'C' Catch Basin 0'-10' Deep	EA.	3	\$ 5,500.00	\$ 16,500.00			\$ -
0586500.10	Manhole - 0' - 10' Deep	EA.	1	\$ 4,130.00	\$ 4,130.00			\$ -
0586601	Reset Type 'C' Catch Basin	EA.	3	\$ 1,130.00	\$ 3,390.00			\$ -
0586651	Reset Manhole (Stonm)	EA.	9	\$ 1,155.00	\$ 10,395.00			\$ -
0586750	Type 'C' Catch Basin Top	EA.	8	\$ 700.00	\$ 5,600.00			\$ -
0653002	Clean Existing Drainage System	L.S.	1	\$ 15,000.00	\$ 15,000.00			\$ -
0686000.12	12" R.C. Pipe - 0' - 10' Deep	L.F.	1109	\$ 70.00	\$ 77,000.00			\$ -
0686000.15	15" R.C. Pipe - 0' - 10' Deep	L.F.	250	\$ 85.00	\$ 21,250.00			\$ -
0686000.18	18" R.C. Pipe - 0' - 10' Deep	L.F.	110	\$ 93.00	\$ 10,230.00			\$ -
0686000.24	24" R.C. Pipe - 0'-10' Deep	L.F.	116	\$ 125.00	\$ 14,500.00			\$ -
0813012	5" X 18" Granite Stone Curbing	L.F.	2000	\$ 46.00	\$ 92,000.00	739	\$ 61.02	\$ 45,091.80
0814002	Reset Granite Stone Curbing	L.F.	3500	\$ 30.00	\$ 105,000.00	335	\$ 50.00	\$ 16,750.00
0921005	Concrete Sidewalk Ramp	S.F.	5131	\$ 21.00	\$ 107,751.00	40	\$ 1,200.00	\$ 48,000.00
0921018	Brick Paving	S.F.	53000	\$ 35.00	\$ 1,855,000.00	2850	\$ 37.62	\$ 107,228.26
0921039	Detectable Warning Strip	EA.	40	\$ 275.00	\$ 11,000.00			\$ -
0922050A	Decorative Crosswalk	S.F.	6810	\$ 18.00	\$ 122,580.00	7387	\$ 36.81	\$ 270,354.80
0922500	Bituminous Concrete Driveway (Commercial)	S.Y.	155	\$ 50.00	\$ 7,750.00			\$ -
0922507	Brick Driveway	S.F.	3100	\$ 40.00	\$ 124,000.00			\$ -
0939001	Sweeping for Dust Control	HR.	120	\$ 35.00	\$ 4,200.00			\$ -
0942001	Calcium Chloride for Dust Control	TON	4	\$ 400.00	\$ 1,600.00			\$ -
0943001	Water for Dust Control	M. GAL.	575	\$ 2.00	\$ 1,150.00			\$ -
0944000	Furnishing and Placing Topsoil	S.Y.	1350	\$ 12.50	\$ 16,875.00			\$ -
0944105	Structural Soil	C.Y.	1060	\$ 75.00	\$ 79,500.00			\$ -
0949003	Furnishing, Planting, and Mulching Trees, Shrubs, Vines and Ground Cover Plants	L.S.	1	\$ 150,000.00	\$ 150,000.00			\$ -
0950005	Turf Establishment	S.Y.	1350	\$ 3.75	\$ 5,062.50			\$ -
0952103A	Rain Garden Planter	EA.	84	\$ 5,000.00	\$ 420,000.00			\$ -
0952104A	Seat Wall Planter	EA.	14	\$ 9,000.00	\$ 126,000.00			\$ -
0969060A	Construction Field Office, Small	MO.	8	\$ 2,600.00	\$ 20,800.00			\$ -
0970006	Trafficperson (Municipal Police Officer)	EST.	145000	\$ 1.00	\$ 145,000.00			\$ -
0970007	Trafficperson (Uniformed Flagger)	HR.	800	\$ 38.00	\$ 30,400.00			\$ -
0977001	Traffic Cone	EA.	50	\$ 19.00	\$ 950.00			\$ -
0978002	Traffic Drum	EA.	30	\$ 70.00	\$ 2,100.00			\$ -
0992090A	Bench	EA.	25	\$ 2,000.00	\$ 50,000.00			\$ -
0992093	Reset Brick Paving					840	\$ 30.00	\$ 25,200.00
0992103A	Trash Can	EA.	20	\$ 950.00	\$ 19,000.00			\$ -
1002103	Light Standard Foundation	EA.	21	\$ 960.00	\$ 20,160.00			\$ -
1003585A	Decorative Light Pole with Single Luminaire	EA.	14	\$ 6,000.00	\$ 84,000.00			\$ -
1003595A	Decorative Light Pole and Light Fixture (Street)	EA.	7	\$ 8,000.00	\$ 56,000.00			\$ -
1003925A	Remove Existing Luminaire	EA.	97	\$ 150.00	\$ 14,550.00			\$ -
1005600A	LED Luminaire	EA.	97	\$ 750.00	\$ 72,750.00			\$ -
1008127	2" Polyvinyl Chloride Conduit in Trench	L.F.	1000	\$ 10.00	\$ 10,000.00			\$ -
1010001	Concrete Handhole	EA.	21	\$ 485.00	\$ 10,185.00			\$ -
1015001	No. 8 Bare Copper Grounding Conductor	L.F.	3500	\$ 1.25	\$ 4,375.00			\$ -
1015002	No. 10 Bare Copper Grounding Conductor	L.F.	7000	\$ 0.75	\$ 5,250.00			\$ -
1015003	No. 6 Bare Copper Grounding Conductor	L.F.	2400	\$ 1.97	\$ 4,728.00			\$ -
1103050A	Paint Existing Decorative Light Pole	EA.	80	\$ 2,500.00	\$ 200,000.00			\$ -
1106003	1 Way Pedestrian Signal Pedestal Mounted	EA.	2	\$ 675.00	\$ 1,350.00			\$ -
1106004	2 Way Pedestrian Signal Pedestal Mounted	EA.	2	\$ 1,400.00	\$ 2,800.00			\$ -
1108110	Traffic Signal Controller	EA.	1	\$ 50,000.00	\$ 50,000.00			\$ -
XXXXXX	Asphalt Apron & Patch	S.Y.				70	\$ 50.00	\$ 3,500.00
1206023A	Removal and Relocation of Existing Signs	L.S.	1	\$ 7,500.00	\$ 7,500.00			\$ -
1208931	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	S.F.	403	\$ 55.00	\$ 22,165.00			\$ -
XXXXXX	Stop Sign	EA.				1	\$ 457.20	\$ 457.20
XXXXXX	Sign Post	EA.				4	\$ 600.00	\$ 2,400.00
XXXXXX	Stop Bar	L.F.				10	\$ 3.00	\$ 30.00
XXXXXX	Crosswalk Signs	EA.				2	\$ 457.20	\$ 914.40
1210101	4" White Epoxy Resin Pavement Markings	L.F.	5800	\$ 1.50	\$ 8,700.00			\$ -
1210102	4" Yellow Epoxy Resin Pavement Markings	L.F.	3885	\$ 2.50	\$ 9,712.50			\$ -
1210105	Epoxy Resin Pavement Markings, Symbols and Legends	S.F.	700	\$ 5.00	\$ 3,500.00			\$ -
1210106	12" White Epoxy Resin Pavement Markings	L.F.	1600	\$ 2.00	\$ 3,200.00			\$ -
1220027	Construction Signs	S.F.	150	\$ 19.40	\$ 2,910.00			\$ -
1302053A	Reset Water Gate	EA.	19	\$ 250.00	\$ 4,750.00			\$ -
1303189A	Reset Existing Fire Hydrant	EA.	1	\$ 2,850.00	\$ 2,850.00			\$ -
1403501A	Reset Manhole (Sanitary Sewer)	EA.	11	\$ 705.00	\$ 7,755.00			\$ -
1500210	Reset Manhole (Telephone)	EA.	9	\$ 1,290.00	\$ 11,610.00			\$ -
A	Major Items Subtotal				\$ 5,066,979			\$ 1,515,118.46
B	Minor Items Subtotal (0% at Final Design)		15	% of Line "A"	\$ 760,047	20	% of Line "A"	\$ 303,024.00
C	Major and Minor Contract Items Subtotal (A + B)				\$ 5,827,026		Subtotal (A+B)	\$ 1,818,142.46
	Other Item Allowances							
	Clearing and Grubbing (suggested 0.5% - 2%)		1	% of Line "C"	\$ 58,270			\$ -
	M & P of Traffic (suggested 2% - 5%)		4	% of Line "C"	\$ 233,081		% of Line "C"	\$ 72,726.00
	Mobilization (suggested 4% - 10%)		7	% of Line "C"	\$ 407,892		% of Line "C"	\$ 127,270.00
	Construction Staking (suggested 1% - 2%)		1	% of Line "C"	\$ 58,270		% of Line "C"	\$ 18,181.00
D	Other Items Subtotal				\$ 757,513		Other Items Subtotal	\$ 218,177.00
E	CONTRACT SUBTOTAL (C + D)				\$ 6,584,539		CONTRACT SUBTOTAL (C+D)	\$ 2,036,319.46

Inflation Costs (Simple Method)

Date of Estimate (provide date of estimate)	Nov-21		
Anticipated Bid Date (provide anticipated bid date)	Feb-23		
Base Years	1.2		
Annual Inflation (4% annually, 0% at Final Design)	4%		
F Inflation Subtotal	4.8% of Line "E"	\$ 316,058	Annual Inflation (4%/Year) \$ 72,725.69
G TOTAL CONTRACT COST ESTIMATE (E + F) [Rounded to nearest \$1000]		\$ 6,901,000	TOTAL CONTRACT COST ESTIMATE \$ 2,109,045.15

LOT/CP Project Costs Summary				LOT/CP Project Costs Summary			
Contract Cost Estimate (Line "G")		\$ 6,901,000		Contract Cost Estimate		\$ 2,109,045.15	
Contingencies (10% for all LOT/CP projects)	10%	\$ 690,100		Contingencies (10%)		\$ 181,814.25	
Incidentals (10% for all LOT/CP projects)	10%	\$ 690,100				\$ 181,814.25	
ROW	LS	N/A				N/A	
Utilities	LS	N/A				N/A	
TOTAL PROJECT COST		\$ 8,261,200		TOTAL PROJECT COST		\$ 2,472,673.64	

OFFICE OF THE TREASURER
BRANFORD, CONNECTICUT



1019 MAIN STREET
POST OFFICE BOX 150

(203) 315-0663
Fax: (203) 315-3736
www.branford-ct.gov

Date: January 25, 2023
To: Joseph Mooney
Chairman, Board of Finance
From: James P. Finch
Finance Director *[Signature]*
Re: Resolution - Police Headquarters Renovation

RECEIVED
2023 JAN 27 A 10:03
[Signature]
BRANFORD TOWN CLERK

I attach for your review a resolution which supplements the renovation request for the police headquarters. This resolution (prepared by bond counsel) provides an authorization and appropriation for project. Please note that the resolution describes the activities associated with a complete renovation. However, the amount requested (\$325,000) intentionally restricts this phase to estimating the cost and scope of the renovation. The resolution was crafted in this manner to make it easier to execute future amendments should the town ultimately decide to proceed with the project.

Actions for Consideration:

Request a motion to waive the full reading of the resolution and I have attached a "First Person Version" for your use.

Approve the attached resolution creating an appropriation for \$325,000.

Cc J. Cosgrove
J. Mulhern
L. Arpin

RESOLUTION AUTHORIZING AN APPROPRIATION OF \$325,000 FOR THE POLICE HEADQUARTERS RENOVATION PROJECT AND THE FINANCING OF SAID APPROPRIATION BY THE ISSUANCE OF GENERAL OBLIGATION BONDS OF THE TOWN AND NOTES IN ANTICIPATION OF SUCH BONDS IN AN AMOUNT NOT TO EXCEED \$325,000 THEREFOR

Wai S. ...
BRANFORD TOWN CLERK

2013 JAN 18 P 12

RECEIVED

Section 1. The sum of \$325,000 is appropriated by the Town of Branford (the "Town") for preliminary costs (including architectural and construction management fees) to determine the cost and scope of the renovation of the police headquarters located at 33 Laurel Street in the Town (the "Police Headquarters"), which will approximately include, planning, acquisition and construction of renovations to the Police Headquarters and a carport structure, improvements to the firearms training range, related site improvements, relocation and temporary facility expenses, communications and computer infrastructure and equipment, furniture, fixtures and equipment, utilities, HVAC systems, repair or improvement of structures affected by the construction, testing, remediation, surveying, and appurtenances related to the foregoing, or so much thereof or such additional improvements as may be accomplished within said appropriation, and for architectural, engineering, other consultant services as required, legal, printing, capitalized interest, financing and debt administration (the "Project").

Section 2. To meet said appropriation, \$325,000 bonds of the Town or so much thereof as shall be necessary for such purpose, shall be issued, maturing not later than the twentieth year after their date, or such later date as may be authorized by law. Said bonds may be issued in one or more series as determined by the First Selectman and the Town Treasurer (the First Selectman and the Town Treasurer hereinafter referred to as the "Town Officials"), and the amount of bonds of each series to be issued shall be fixed by the Town Officials. Said bonds shall be issued in the amount necessary to meet the cost of the Project, provided that the total amount of bonds to be issued shall not be less than an amount which will provide funds sufficient, with other funds that may be available for the Project, to pay the principal of and the interest on all temporary borrowings in anticipation of the receipt of the proceeds of said bonds outstanding at the time of the issuance thereof, and to pay for the administrative, printing and legal costs of issuing the bonds. Capital project revenues, including bid premiums and income derived from the investment of proceeds from bonds issued pursuant to this resolution (and net investment income derived from the investment of note proceeds) are authorized to be credited by the Director of Finance to the project account and expended to pay project expenses customarily paid therefrom. The bonds shall be in the denomination of \$1,000 or a whole multiple thereof, or, be combined with other bonds of the Town and such combined issue shall be in the denomination per aggregate maturity of \$1,000 or a whole multiple thereof, be issued in fully registered form, be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be certified by a bank or trust company designated by the Town Officials, which bank or trust company may be designated the registrar and transfer agent, be payable at a bank or trust company designated by the Town Officials and be approved as to their legality by bond counsel. They shall bear such rate or rates of interest as shall be determined by the Town Officials. The bonds shall be general obligations of the Town and each of the bonds shall recite that every requirement of law relating to its issue has been duly complied with, that such bond is within every debt and other limit

prescribed by law, and that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and shall be paid from property taxation to the extent not paid from other funds available for the payment thereon. The aggregate principal amount of the bonds to be issued, the annual installments of principal, redemption provisions, if any, the date, time of issue and sale and other terms, details and particulars of such bonds, shall be determined by the Town Officials, in accordance with the General Statutes of the State of Connecticut, Revision of 1958, as amended (the "Statutes").

Section 3. Said bonds shall be sold by the Town Officials in a competitive offering or by negotiation, in their discretion. If sold at competitive offering, the bonds shall be sold upon sealed proposals, auction, or similar competitive process at not less than par and accrued interest on the basis of the lowest net or true interest cost to the Town. A notice of sale or a summary thereof describing the bonds and setting forth the terms and conditions of the sale shall be published (which may include electronic publication) at least five days in advance of the sale in a recognized publication carrying municipal bond notices and devoted primarily to financial news and the subject of state and municipal bonds.

Section 4. The Town Officials are authorized to make temporary borrowings in anticipation of the receipt of the proceeds of said bonds. Notes evidencing such borrowings shall be executed in the name and on behalf of the Town by the manual or facsimile signatures of the Town Officials, bear the Town seal or a facsimile thereof, be payable at a bank or trust company designated by the Town Officials, be approved as to their legality by bond counsel, and be certified by a bank or trust company designated by the Town Officials, pursuant to Section 7-373 of the Statutes. They shall be issued with maturity dates which comply with the provisions of the General Statutes governing the issuance of such notes, as the same may be amended from time to time. The notes shall be general obligations of the Town and each of the notes shall recite that every requirement of law relating to its issue has been duly complied with, that such note is within every debt and other limit prescribed by law, and that the full faith and credit of the Town are pledged to the payment of the principal thereof and the interest thereon and shall be paid from property taxation to the extent not paid from other funds available for the payment thereon. The net interest cost on such notes, including renewals thereof, and the expense of preparing, issuing and marketing them, to the extent paid from the proceeds of such renewals or said bonds, shall be included as a cost of the project. Upon the sale of said bonds, the proceeds thereof, to the extent required, shall be applied forthwith to the payment of the principal of and the interest on any such notes then outstanding or shall be deposited with a bank or trust company in trust for such purpose.

Section 5. Resolution of Official Intent to Reimburse Expenditures with Borrowings. The Town hereby expresses its official intent pursuant to Section 1.150-2 of the Federal Income Tax Regulations, Title 26 (the "Treasury Regulations"), to reimburse expenditures paid sixty days prior to and any time after the date of passage of this resolution in the maximum amount and for the Project defined in Section 1 with the proceeds of bonds, notes, or other obligations ("Bonds") authorized to be issued by the Town. The Bonds shall be issued to reimburse such expenditures not later than 18 months after the later of the date of the original expenditure or the substantial completion of the Project, or such later date the Treasury Regulations may authorize. The Town hereby certifies that the intention to reimburse as expressed herein is based upon its

reasonable expectations as of this date. The Director of Finance, or designee, is authorized to pay Project expenses in accordance herewith pending the issuance of reimbursement bonds, and to amend this declaration. The Town Officials are authorized to amend such declaration of official intent as they deem necessary or advisable and to bind the Town pursuant to such representations and covenants as they deem necessary or advisable in order to maintain the continued exemption from federal income taxation of interest on the bonds, notes or other obligations authorized by this resolution, if issued on a tax-exempt basis.

Section 6. The Town Officials are hereby authorized to exercise all powers conferred by Section 3-20e of the Statutes with respect to secondary market disclosure and to provide annual information and notices of material events as enumerated in Securities and Exchange Commission Exchange Act Rule 15c2-12, as amended, as may be necessary, appropriate or desirable to effect the sale of the bonds and notes authorized by this resolution.

Section 7. It is hereby found and determined that it is in the public interest to issue all, or a portion of, the bonds, notes or other obligations of the Town authorized to be issued herein as qualified private activity bonds, or with interest that is includable in gross income of the holders thereof for purposes of federal income taxation. The Town Officials are hereby authorized to issue and utilize without further approval any financing alternative currently or hereafter available to municipal governments pursuant to law, including but not limited to any "tax credit bond," "tax-advantaged bond," including direct payment and tax credit versions of such bonds.

OFFICE OF THE TREASURER
BRANFORD, CONNECTICUT



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Date: January 27, 2023
To: Joseph Mooney
Chairman, Board of Finance
From: James P. Finch
Finance Director
Re: Request for a Solid Waste Sinking Fund

Walt Skyporin
BRANFORD TOWN CLERK

2023 JAN 27 P 2:24

RECEIVED

Background

In the previous fiscal year the Board approved a transfer to fund a study of the curbside trash and recycling program. The goal of the study was to identify opportunities for improvement, cost savings and an action plan. Pursuant to the study's recommendations, the Board issued an RFP to obtain proposals from qualified vendors to provide curbside collection of municipal solid waste and the curbside collection, transport and disposal of recyclables. Additionally, the town solicited proposals for containers to implement the single stream program. **It is important to note that the Solid Waste Commission has not recommended a vendor.** This transfer, if approved, will enable the town to execute a contract with the vendor once selected.

At a recent Board of Finance meeting the First Selectman identified a series of potential financial commitments including the significant startup costs associated with moving to a single stream solution. On a positive note, the town has assets and tools available to ease this financial commitment.

Funding Strategy

The funding strategy relies on using a combination of ARPA dollars, existing capital balances, contingency and future appropriations to smooth the tax requirements associated with the acquisition and replacement of recycling containers.

I have attached a spreadsheet to provide a clearer picture of the concept.

Solid Waste and Recycling Equipment Fund (Concept)

	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2028-2029	2029-2030
Opening Fund Reserve Balance									
Capital Transfer	323,101	248,101	388,101	548,101	703,101	853,101	998,101	1,138,101	873,101
Contingency Transfer	100,000								
Budgeted Appropriations	-	200,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000
Total Funding Sources	423,101	448,101	613,101	773,101	928,101	1,078,101	1,223,101	1,363,101	1,098,101
Recycling Equipment Acquisition and Maintenance	(1,100,000)							(400,000)	(800,000)
Solid Waste and Transfer Station Equipment	-	(60,000)	(65,000)	(70,000)	(75,000)	(80,000)	(85,000)	(90,000)	(85,000)
Expenditures Allocated to ARPA (1)	925,000								
Total Commitments	(175,000)	(60,000)	(65,000)	(70,000)	(75,000)	(80,000)	(85,000)	(90,000)	(85,000)
Closing Balance	248,101	388,101	548,101	703,101	853,101	998,101	1,138,101	873,101	213,101

(1) ARPA dollars cannot be placed in reserve funds

If the Board agrees with this approach the required actions are as follows:

- Create the sinking fund
- Appropriate funds from the town's ARPA allocation.
- Approve a capital transfer
- Approve a transfer from Contingency

Creating the Solid Waste and Recycling Equipment Fund

Resolution

Resolved: The Board of Finance authorizes and recommends to the RTM the establishment of the Solid Waste and Recycling Equipment Fund Sinking Fund.

ARPA Fund Appropriation

Resolved: The Board of Finance recommends to the RTM an increase in the FY 2023 ARPA Fund budget from \$2,727,000 to \$3,652,000. This appropriation will be used to fund single stream recycling bins and will be funded through an appropriation from the ARPA fund balance.

Increase		
26090000-480296-23813	Fund Balance Transfer	\$925,000
Increase		
26041020-579250-23813	Recycling and Solid Waste Equipment	\$925,000

Capital Transfer

From		
70043040-579400-22330	Transfer Station Improvements	\$323,101
To		
70043040-599139-22330	Transfer to Fund 721	\$323,101

General Fund Contingency Transfer

From		
10149040-588802	Contingency	\$100,000
To		
10150000-599139	Transfer to Fund 721	\$100,000

Cc J. Cosgrove
L. Arpin
P. Muniz
T. Bowne