



CITY OF DANBURY
155 DEER HILL AVENUE
DANBURY, CONNECTICUT 06810

ENGINEERING DEPARTMENT
(203) 797-4641
FAX (203) 796-1586

FARID L. KHOURI, P.E.
CITY ENGINEER

October 29, 2007

Honorable Mark D. Boughton
Common Council
City of Danbury
155 Deer Hill Avenue
Danbury, CT 06810

Dear Mayor Boughton and Common Council Members:

Backus Avenue Bridge
State Bridge No. 034024
City Project No. 04-43
Padanaram Road Bridge over East Lake Brook
State Bridge No. 034031
City Project No. 04-41
Local Bridge Program Supplemental Application

Enclosed please find a copy of the proposed State of Connecticut DOT Local Bridge Program **Supplemental Application** for funding of the reconstruction of the above-noted bridges. The plans and specifications for these bridges are complete. All permits have been secured except the DEP permit for the Backus Avenue Bridge which is expected soon.

The cost of these bridges has escalated slightly from previously submitted preliminary applications to you back in 2006 due to more accurate plans and an increase in material prices. The City's share of the funding required was included in the Danbury Neighborhood Bond. The State of Connecticut has committed to fund 31.67% (Backus Avenue Bridge) and 31.67% (Padanaram

Road Bridge over East Lake Brook) of the eligible project costs through a State grant.

We would appreciate if you would authorize Mayor Mark D. Boughton to sign this Supplemental Application.

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

Very truly yours,



Farid L. Khouri, P.E.
City Engineer

Encl.

- C: Laszlo L. Pinter with encl.
- Antonio Iadarola, P.E.
- David W. St. Hilaire, with encl.
- Stanley C. Juber

Section I – Supplemental Application



22-3

CONNECTICUT DEPARTMENT OF TRANSPORTATION
LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION



SECTIONS 13a-175p through 13a-175u of the CONNECTICUT GENERAL STATUTES

Supplemental Application is hereby made by the ~~Town/City/Borough~~ of Danbury for consideration for funding under the provisions and regulations of the Local Bridge Program for Fiscal Year 2006 for the following structure:

Bridge Number: 034024

Bridge Location: Backus Avenue over Miry Brook

Span Length (existing/proposed): 14 / 16 feet Width (existing/proposed): 19' / 28'

CT Professional Engineer Responsible for Project Design:

Name: Andrew Lessard, PE

Firm: Stantec Consulting Services Inc.

License No.: 22652 Telephone: 203-281-1350 FAX: 203-281-1470

Street Address: 2321 Whitney Avenue

City, State, ZIP: Hamden, CT 06518

Municipal Information:

Name of Official to Contact: Mr. Farid L. Khouri, PE

Street Address: City of Danbury, Engineering Dept., 155 Deer Hill Avenue

City, State, ZIP: Danbury, CT 06810

Telephone Number: 203-797-4641 FAX: 203-797-1586

E-Mail: F.Khouri@ci.danbury.ct.us

Project Cost Data

	<u>Preliminary</u>	<u>Updated</u>
Preliminary Engineering Fees \$ <u>57,660</u> <i>(Include Breakdown of Fees - Not to Exceed 15% of Construction Costs)</i>	\$ <u>57,660</u>	\$ <u>57,660</u>
Rights-of-Way Cost \$ <u>25,000</u> <i>(If Applicable)</i>	\$ <u>25,000</u>	\$ <u>25,000</u>
Municipal Utility Relocation \$ <u>0</u>	\$ <u>0</u>	\$ <u>0</u>
Estimated Construction Costs \$ <u>479,080</u> <i>(Include Detailed Estimate)</i>	\$ <u>479,080</u>	\$ <u>504,400</u>
Construction Engineering \$ <u>71,862</u> <i>(Inspection, Materials Testing - Not to Exceed 15% of Construction Cost)</i>	\$ <u>71,862</u>	\$ <u>75,660</u>
Contingencies \$ <u>47,908</u> <i>(10% of Construction Costs Only)</i>	\$ <u>47,908</u>	\$ <u>50,440</u>
Total Estimated Project Cost \$ <u>681,510</u>	\$ <u>681,510</u>	\$ <u>713,160</u>

22-4

LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

Existing Conditions: Attach description of existing conditions, including engineer's evaluation.

Scope of Proposed Project: Attach detailed description of the proposed Project, including Final Plans (2 copies), Specifications, Detailed Estimates & other pertinent data.

Check List: ___ Plans (2 copies)
 ___ Specifications
 ___ Estimates
 ___ R.O.W. (if applicable)
 ___ Utilities (if applicable)
 ___ Permits: Local, State, Federal (if applicable)
 ___ Public Hearing Date August 29, 2007

Disposition of Public Hearing: No attendees

Financial Aid Data

Project Grant:

Municipalities allowable grant percentage 31.67 %
\$ 713,160 x 31.67 = \$ 225,857.77
(Total Project Cost) (Grant %) (Total Grant Amount)

Project Loan (optional):

Total Eligible Project Cost \$ --- x 50% = \$ ---
(Total Amount of Project Loan, 6% Interest, 10 Year Life, Payable Quarterly)

Project Schedule:

Final Design (Accepted by Municipality)	<u>March 2008</u>
Rights-of-Way (Acquisition Complete)	<u>March 2008</u>
Utilities (Coordination Completion)	<u>March 2008</u>
Public Hearing (Advertise)	<u>August 2007</u>
(Conducted)	<u>August 29, 2007</u>
Construction Advertising	<u>April 2008</u>
Construction Contract Award	<u>May 2008</u>
Construction Start	<u>June 2008</u>
Construction Complete	<u>September 2008</u>
Audit Submittal	<u>December 2008</u>

22-5

LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

CERTIFICATIONS:

I, Mark D. Boughton, Mayor, duly authorized
name title
by the (~~Town~~, City, ~~Borough~~) of Danbury as so signified by
the attached authorization, do certify and attest to the following:

1. Approval and acceptance of all plans, specifications and estimates. Any digressions from AASHTO and Connecticut Highway Design Manual guidelines have been made in accordance with Section 13a-86a of the Connecticut General Statutes.
2. That all R.O.W. activities associated with the project have been addressed or will be completed by the start of construction and, by a certified appraiser, that the purchase price of all properties being acquired represents the fair market value of such property.
3. That the Municipality owns or has the responsibility for maintaining the structure for which funding is sought and will be responsible for all future maintenance of the structure.
4. That all public and private utility relocations have been addressed.
5. That the design loading for the structure complies with the mandates of the Regulations for the Local Bridge Program.
6. That all permits, regulations, executive orders, etc. required from Federal, State, and Local entities have been obtained.
7. That this project complies with Section 25-68d of the Connecticut General Statutes, Flood Management Certification.
Yes No
If number 7 above is "No", that this project is exempt from Flood Management Certification (project within a drainage basin of less than one square mile).
Yes No
8. That the Public Hearing required under Section 13a-175t of the Connecticut General Statutes was held on 8/29/07. (*Attach copies of Legal Notice*)
9. That separate accounts have been established specifically for this project and all additions or disbursements will be made therefrom.

Signed _____ Date _____

Title _____

Municipal Seal

LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

CERTIFICATIONS (continued)

Additional Certifications Required by a Connecticut Licensed Professional Engineer:

I, Andrew Lessard, PE, do hereby certify:
name

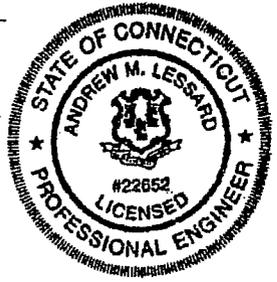
1. That the design loading complies with the requirements of the program regulations.
2. That the completed structure will have a 20-year life.
3. That the design reflects the latest AASHTO Standard Specifications for Highway Bridges requirements for structures of that type, or previously agreed to digressions from those standards.
4. That the geometric design reflects the latest Connecticut Highway Design Manual requirements, or previously agreed to digressions from those standards

Signed *[Signature]*

Date 10/18/07

Title Associate

22652
Conn. P. E. Registration
(Stamp or Seal)



By a Certified Appraiser: (If Applicable)

I, _____, hereby certify that the appraised property values reflect the current fair market value and are fair and reasonable.

Signed _____

Date _____

Title _____

Certification Number

Section I – Supplemental Application



22-8

CONNECTICUT DEPARTMENT OF TRANSPORTATION
LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

SECTIONS 13a-175p through 13a-175u of the CONNECTICUT GENERAL STATUTES

Supplemental Application is hereby made by the ~~Town~~/City/~~Borough~~ of Danbury for consideration for funding under the provisions and regulations of the Local Bridge Program for Fiscal Year 2006 for the following structure:

Bridge Number: 034031

Bridge Location: Padanaram Road over East Lake Brook

Span Length (existing/proposed): 12 / 16 feet Width (existing/proposed): 15.8' / 28'

CT Professional Engineer Responsible for Project Design:

Name: Andrew Lessard, PE

Firm: Stantec Consulting Services Inc

License No.: 22652 Telephone: 203-281-1350 FAX: 203-281-1470

Street Address: 2321 Whitney Avenue

City, State, ZIP: Hamden, CT 06518

Municipal Information:

Name of Official to Contact: Mr. Farid L. Khouri, PE

Street Address: City of Danbury, Engineering Dept., 155 Deer Hill Avenue

City, State, ZIP: Danbury, CT 06810

Telephone Number: 203-797-4641 FAX: 203-797-1586

E-Mail: F.Khouri@ci.danbury.ct.us

Project Cost Data

	<u>Preliminary</u>	<u>Updated</u>
Preliminary Engineering Fees\$ <u>58,110</u> <i>(Include Breakdown of Fees - Not to Exceed 15% of Construction Costs)</i>	\$ <u>58,110</u>	\$ <u>58,110</u>
Rights-of-Way Cost <u>\$ 25,000</u> <i>(If Applicable)</i>	\$ <u>25,000</u>	\$ <u>25,000</u>
Municipal Utility Relocation \$ <u>0</u>	\$ <u>0</u>	\$ <u>0</u>
Estimated Construction Costs\$ <u>433,830</u> <i>(Include Detailed Estimate)</i>	\$ <u>433,830</u>	\$ <u>561,000</u>
Construction Engineering \$ <u>65,075</u> <i>(Inspection, Materials Testing - Not to Exceed 15% of Construction Cost)</i>	\$ <u>65,075</u>	\$ <u>84,150</u>
Contingencies \$ <u>43,383</u> <i>(10% of Construction Costs Only)</i>	\$ <u>43,383</u>	\$ <u>56,100</u>
Total Estimated Project Cost \$ <u>625,398</u>	\$ <u>625,398</u>	\$ <u>784,360</u>

22-9

LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

Existing Conditions: Attach description of existing conditions, including engineer's evaluation.

Scope of Proposed Project: Attach detailed description of the proposed Project, including Final Plans (2 copies), Specifications, Detailed Estimates & other pertinent data.

Check List: _____ Plans (2 copies)
_____ Specifications
_____ Estimates
_____ R.O.W. (if applicable)
_____ Utilities (if applicable)
_____ Permits: Local, State, Federal (if applicable)
_____ Public Hearing Date August 29, 2007
Disposition of Public Hearing: No attendees

Financial Aid Data

Project Grant:

Municipalities allowable grant percentage 31.67 %

$$\begin{array}{rcccl} \$ & 784,360 & & \times & 31.67 & & = & \$ & 248,406.81 \\ & \text{(Total Project Cost)} & & & \text{(Grant \%)} & & & & \text{(Total Grant Amount)} \end{array}$$

Project Loan (optional):

Total Eligible Project Cost \$ --- x 50% = \$ ---
(Total Amount of Project Loan, 6% Interest, 10 Year Life, Payable Quarterly)

Project Schedule:

Final Design (Accepted by Municipality)	<u>September 2007</u>
Rights-of-Way (Acquisition Complete)	<u>September 2007</u>
Utilities (Coordination Completion)	<u>September 2007</u>
Public Hearing (Advertise)	<u>August 2007</u>
(Conducted)	<u>August 29, 2007</u>
Construction Advertising	<u>November/December 2007</u>
Construction Contract Award	<u>January/February 2008</u>
Construction Start	<u>March 2008</u>
Construction Complete	<u>September 2008</u>
Audit Submittal	<u>December 2008</u>

22-10

LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

CERTIFICATIONS:

I, Mark D. Boughton, Mayor, duly authorized
name title
by the (~~Town~~, City, ~~Borough~~) of Danbury as so signified by
the attached authorization, do certify and attest to the following:

1. Approval and acceptance of all plans, specifications and estimates. Any digressions from AASHTO and Connecticut Highway Design Manual guidelines have been made in accordance with Section 13a-86a of the Connecticut General Statutes.
2. That all R.O.W. activities associated with the project have been addressed or will be completed by the start of construction and, by a certified appraiser, that the purchase price of all properties being acquired represents the fair market value of such property.
3. That the Municipality owns or has the responsibility for maintaining the structure for which funding is sought and will be responsible for all future maintenance of the structure.
4. That all public and private utility relocations have been addressed.
5. That the design loading for the structure complies with the mandates of the Regulations for the Local Bridge Program.
6. That all permits, regulations, executive orders, etc. required from Federal, State, and Local entities have been obtained.
7. That this project complies with Section 25-68d of the Connecticut General Statutes, Flood Management Certification.
Yes No
- If number 7 above is "No", that this project is exempt from Flood Management Certification (project within a drainage basin of less than one square mile).
Yes No
8. That the Public Hearing required under Section 13a-175t of the Connecticut General Statutes was held on 8/29/07. (*Attach copies of Legal Notice*)
9. That separate accounts have been established specifically for this project and all additions or disbursements will be made therefrom.

Signed _____ Date _____

Title _____

Municipal Seal

22-11

LOCAL BRIDGE PROGRAM
SUPPLEMENTAL APPLICATION

CERTIFICATIONS (continued)

Additional Certifications Required by a Connecticut Licensed Professional Engineer:

I, Andrew Lessard, PE, do hereby certify:
name

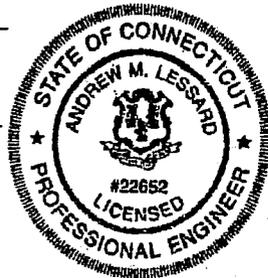
1. That the design loading complies with the requirements of the program regulations.
2. That the completed structure will have a 20-year life.
3. That the design reflects the latest AASHTO Standard Specifications for Highway Bridges requirements for structures of that type, or previously agreed to digressions from those standards.
4. That the geometric design reflects the latest Connecticut Highway Design Manual requirements, or previously agreed to digressions from those standards

Signed 

Date 10/18/07

Title Associate

22652
Conn. P. E. Registration
(Stamp or Seal)



By a Certified Appraiser: (If Applicable)

I, _____, hereby certify that the appraised property values reflect the current fair market value and are fair and reasonable.

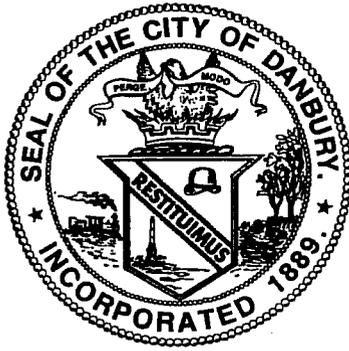
Signed _____

Date _____

Title _____

Certification Number

22-12



RESOLUTION

CITY OF DANBURY, STATE OF CONNECTICUT

_____ A. D., 200__

RESOLVED by the Common Council of the City of Danbury:

Local Bridge Program
Backus Avenue Bridge over Miry Brook –Bridge No. 034024
City of Danbury .

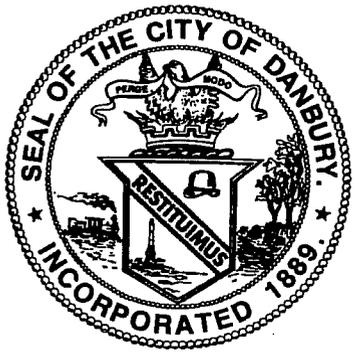
THAT Mark D. Boughton, Mayor of the City of Danbury is hereby authorized to sign the Local Bridge Program Supplemental Application on behalf of the City of Danbury for Backus Avenue Bridge over East Lake Brook, Bridge No. 034024, together with such other documents as may be necessary for the accomplishment for the purposes thereof.

RESOLUTION

CITY OF DANBURY, STATE OF CONNECTICUT

_____ A. D., 200_

RESOLVED by the Common Council of the City of Danbury:



Local Bridge Program
 Padanaram Road over East Lake Brook –Bridge No. 034031
 City of Danbury

THAT Mark D. Boughton, Mayor of the City of Danbury is hereby authorized to sign the Local Bridge Program Supplemental Application on behalf of the City of Danbury for Padanaram Road over East Lake Brook, Bridge No. 034031, together with such other documents as may be necessary for the accomplishment for the purposes thereof.