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CITY OF DANBURY

155 DEER HILL AVENUE
DANBURY, CONNECTICUT 06810

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

WILLIAM J. BUCKLEY, JR., P.E.
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER

December 1, 2004

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

Dear Mayor Boughton and Common Council Members:

State DOT Local Bridge Program
Grant Applications
Backus Avenue Bridge
Padanaram Road Bridge

The above noted bridges have recently been found to have fairly significant deficiencies that have resulted in the posting of weight limits on each bridge. If these bridges are not replaced soon, further deterioration in their conditions could require their closures.

These two bridges are eligible for grant (31.14%) and loan (50%) funding from the State of Connecticut Department of Transportation under the Local Bridge Program. Enclosed please find copies of the draft applications for said program funding.

We request that the Common Council authorize Mayor Mark D. Boughton to apply for these State DOT Local Bridge program grants and loans.

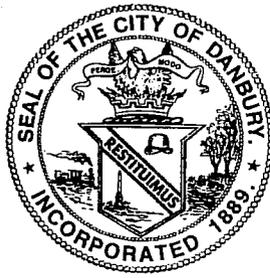
If you have any questions, please feel free to give me a call.

Very truly yours,

William J. Buckley, Jr., P.E.
Director of Public Works/City Engineer

Encl.

C: Dena R. Diorio, with encl.
Eric L. Gottschalk, with encl.



RESOLUTION

CITY OF DANBURY, STATE OF CONNECTICUT

_____ A. D., 200_

RESOLVED by the Common Council of the City of Danbury:

WHEREAS, the City of Danbury wishes to undertake the reconstruction of the Backus Avenue Bridge over a brook and the Padanaram Road Bridge over East Lake Brook; and

WHEREAS, the Connecticut Local Bridge Program allows municipalities to make application to the state for grants and loans for such projects; and,

WHEREAS, under the terms of said program, municipalities may be reimbursed for costs incurred in connection with such projects at the rate of 31.14% and may be eligible for loans in an amount equal to 50% of project costs; and,

WHEREAS, the Public Works Department recommends that the City of Danbury submit preliminary applications to the State of Connecticut for funding of the reconstruction of the Backus Avenue Bridge and the Padanaram Road Bridge; and,

WHEREAS, the reconstruction of said bridges and the city's participation in the Connecticut Local Bridge Program for said purpose is in the best interests of the City of Danbury;

NOW THEREFORE BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF DANBURY THAT, Mayor Mark D. Boughton be and hereby is authorized to make preliminary application for funding of repairs to the Backus Avenue Bridge and the Padanaram Road Bridge pursuant to the Connecticut Local Bridge Program.



CONNECTICUT DEPARTMENT OF TRANSPORTATION

James F. Byrnes, Jr., Commissioner



PRELIMINARY APPLICATION FOR THE LOCAL BRIDGE PROGRAM

Preliminary application is hereby made by the Town/City/Borough of Danbury for possible inclusion in the Local Bridge Program for Fiscal Year 2005 for the following structure:

Bridge Location: Backus Avenue over Brook, City of Danbury

Bridge Number: 034024 Length of Span: 14 feet

Sufficiency Rating: 46.04 Priority Rating: 44.71

Evaluation & Rating Performed by: State Forces Others

If Others, Name of Professional Engineer: To Be Determined

Connecticut Professional Engineers License Number: _____

Engineering Firm: To Be Determined

Engineer's Address: _____

Description of Existing Condition of Structure: *(attach description)*

Description of Project Scope: _____ *(note repair code; attach narrative/preliminary plans & specifications).*

Name of Municipal Official to Contact: William J. Buckley, Jr., PE

Mailing Address: 155 Deer Hill Avenue Danbury, CT 06810

Telephone: 203-797-4641 FAX: 203-796-1586

E-mail: b.buckley@ci.danbury.ct.us

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees) <i>(Not to Exceed 15% of Construction Costs)</i>	\$ <u>45,000</u>
Rights-of-Way Cost (If applicable)	\$ <u>25,000</u>
Municipally Owned Utility Relocation Cost	\$ <u>0</u>
Estimated Construction Costs (Include Detailed Estimate)	\$ <u>300,000</u>
Construction Engineering (Inspection, Materials Testing) <i>(Not to Exceed 15% of Construction Cost)</i>	\$ <u>45,000</u>
Contingencies <i>(10% of Construction Costs Only)</i>	\$ <u>30,000</u>
Total Estimated Project Cost	\$ <u>445,000</u>

(Backus Avenue over Brook)

Financial Aid Data:

Federal Reimbursement: *(Limited to qualifying bridges – See Appendix I)*

Total Estimated Project Cost multiplied by 80%:

Project Reimbursement Request \$ 0

State Local Bridge Project Grant: *(Cannot be combined with Federal reimbursement)*

Allowable Grant Percentage 31.14 % of Total Cost.

Project Grant Request \$ 445,000 x 0.3114 = \$138,573

State Local Bridge Project Loan: *(Maximum 50% of total project cost)*

Project Loan Request \$ 222,500

Schedule: (Anticipated Dates)

Public Hearing Conducted: August 2005

Design Completion: November 2005

Property Acquisition Completion: October 2005

Utilities Coordination Completion: August 2005

Construction Advertising: December 2005

Supplemental Application Submission: August 2005

Start of Construction: February 2006

Completion of Construction: August 2006

I hereby certify that the above is accurate and true, to the best of my knowledge and belief.

Signature: _____
(Chief Elected Official, Town Manager, or other Officer Duly Authorized)
Mayor Mark D. Boughton

Date: _____

Return completed applications to: Mr. Stanley C. Juber
Administrator of the Local Bridge Program
Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, Connecticut 06131-7546

APPENDIX 1A - ELIGIBLE BRIDGES UNDER 20 FEET

Bridge No	Town	Feature Carried	Feature Crossed	Deck (Superstructure	Substructure	Channel	Culvert	Structural Eval	Deck Geometry	Waterway	Sufficiency Rating	Priority Rating
034023	Danbury	Miry Brook Road	Miry Brook	4	4	5	5	N	4			43.36	42.10
✓ 034024	Danbury	Backus Avenue	Brook	4	4	4	4	N	4	2	7	46.04	44.71
034027	Danbury	Padanaram Road	Margerie Brook	4	4	4	6	N	4			53.03	51.70
✓ 034031	Danbury	Padanaram Road	East Lake Brook	5	5	4	8	N	4			47.62	46.43
034035	Danbury	West Street	Blind Brook	4	4	5	7	N	4	9	8	65.86	64.60
034037	Danbury	William Street	Blind Brook	4	4	5	7	N	4	6	6	66.19	64.93
034039	Danbury	Jefferson Street	Blind Brook	5	4	6	7	N	4	6	5	67.17	66.06
034040	Danbury	Reservoir Road	Brook	5	5	4	6	N	4	4	6	50.21	49.02
122001	Deep River	Tower Hill Road	Brook	N	N	N	6	4	4			65.84	64.51
037003	Durham	Coe Road	Parmalee Brook	N	N	N	5	4	4			67.84	66.51
041002	East Hampton	Walnut Ave	Brook	6	6	4	7	N	4			59.84	58.80
041004	East Hampton	Niles Street	Brook	6	6	4	7	N	4			41.99	38.40
041005	East Hampton	Flat Brook Road	Flat Brook	4	4	4	7	N	4			59.80	58.47
041006	East Hampton	Flat Brook Road	Flat Brook	6	6	3	3	N	3			26.83	25.72
041007	East Hampton	Blacksmith Road	Brook	N	N	N	7	4	4			62.86	61.53
041008	East Hampton	Terp Road	Pine Brook	6	6	4	4	N	4			46.51	45.47
044004	East Lyme	Society Road	Pataquanset River	4	7	3	8	N	3	4	7	45.77	49.81
046003	East Windsor	East Road	Ketch Brook	4	4	4	8	N	4	2	2	50.71	49.38
046007	East Windsor	Highland Avenue	Chestnut Brook	4	4	4	7	7	4	3	7	47.17	46.50
049002	Essex	Ivory Street	Falls River (South Branch)	4	4	6	7	N	4	4	7	64.21	63.02
049004	Essex	Old Deep River Road	Brook	5	4	6	7	N	4	5	8	50.82	49.71
050003	Fairfield	Burr Street	Brook	5	4	6	7	N	5	3	7	49.21	48.10
050008	Fairfield	Creconoof Road	Cricker Brook	6	6	4	6	N	5	8	6	71.20	70.16
050011	Fairfield	Governors Lane	Browns Brook	5	5	4	5	N	4			60.85	59.66
050019	Fairfield	Nonopage Road	Cricker Brook	4	4	6	6	N	4			59.85	58.66
055005	Granby	Simsbury Road	Kendall Brook	6	6	4	4	N	4	3	6	48.74	47.70
055010	Granby	Enders Road	Brook	6	4	5	4	N	4	2	7	31.50	27.17
056010	Greenwich	Pemberwick Road	Crossing Path	5	5	4	0	N	4			47.54	46.35
056038	Greenwich	Doubling Road	Rockwood Lake	4	4	7	6	N	4			54.68	53.57
056051	Greenwich	Winding Lane	Horseneck Brook	N	N	N	2	6	2	6	7	77.16	76.27
058003	Groton	Packer Road	Haleys Brook	4	4	7	6	N	4	5	7	57.71	56.60
058008	Groton	Beach Road	Venetian Harbor	N	N	N	7	4	4	4	7	55.89	54.56
059004	Guilford	North Madison Road	Little Meadow Brook	N	N	N	5	4	4	N	7	72.16	70.83
061025	Hamden	Sanford Street	Shepard Brook	4	4	5	6	N	4	5	6	52.46	51.20
0610??	Hamden	Woodin Street	Wilmont Brook	4	4	5	5	N	4	5	6	55.76	53.95
064002	Hartland	Fuller Road	Belden Brook	7	7	4	4	N	4			36.65	33.76
064003	Hartland	Fuller Road	Brook	4	6	4	4	N	4			28.49	24.86
066006	Hebron	Marjorie Circle	Brook	6	4	6	7	N	4			58.85	56.81
067003	Kent	Macedonia Brook Road	Macedonia Brook	7	4	7	8	N	5	2	9	53.71	52.82
067010	Kent	Macedonia Brook Road	Macedonia Brook	7	4	5	6	N	5	2	8	27.11	23.96
067016	Kent	Kent Hollow Road	Aspetuck River	4	4	6	7	N	4	4	7	49.15	47.96
070003	Lebanon	Tobacco Street	Ten Mile Brook	4	5	7	7	N	6			72.47	71.99
070007	Lebanon	Goshen Hill Road	Exeter Brook	6	6	4	7	N	4	4	7	56.16	55.12
071003	Ledyard	Stonybrook Road	Billings Avery Brook	4	4	7	6	N	4	7	7	66.16	65.05
072002	Lisbon	Blissville Road	Brook	4	4	6	6	N	4			47.27	46.08
073002	Litchfield	Shear Shop Road	Marshpaug River	6	4	6	7	N	4			53.58	52.54
073011	Litchfield	West Morris Road	Hill Brook	7	7	4	7	N	4	5	7	58.10	57.21



CONNECTICUT DEPARTMENT OF TRANSPORTATION

James F. Byrnes, Jr., Commissioner



PRELIMINARY APPLICATION FOR THE LOCAL BRIDGE PROGRAM

Preliminary application is hereby made by the ~~Town~~/City/~~Borough~~ of Danbury for possible inclusion in the Local Bridge Program for Fiscal Year 2005 for the following structure:

Bridge Location: Padanaram Road over East Lake Brook, City of Danbury

Bridge Number: 034031 Length of Span: 12 feet

Sufficiency Rating: 47.62 Priority Rating: 46.43

Evaluation & Rating Performed by: _____ State Forces Others

If Others, Name of Professional Engineer: To Be Determined

Connecticut Professional Engineers License Number: _____

Engineering Firm: To Be Determined

Engineer's Address: _____

Description of Existing Condition of Structure: *(attach description)*

Description of Project Scope: _____ *(note repair code; attach narrative/preliminary plans & specifications).*

Name of Municipal Official to Contact: William J. Buckley, Jr., PE

Mailing Address: 155 Deer Hill Avenue Danbury, CT 06810

Telephone: 203-797-4641 FAX: 203-796-1586

E-mail: b.buckley@ci.danbury.ct.us

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees) <i>(Not to Exceed 15% of Construction Costs)</i>	\$ <u>60,000</u>
Rights-of-Way Cost (If applicable)	\$ <u>25,000</u>
Municipally Owned Utility Relocation Cost	\$ <u>0</u>
Estimated Construction Costs (Include Detailed Estimate)	\$ <u>400,000</u>
Construction Engineering (Inspection, Materials Testing) <i>(Not to Exceed 15% of Construction Cost)</i>	\$ <u>60,000</u>
Contingencies <i>(10% of Construction Costs Only)</i>	\$ <u>40,000</u>
Total Estimated Project Cost	\$ <u>585,000</u>

Financial Aid Data:

Federal Reimbursement: *(Limited to qualifying bridges – See Appendix1)*
Total Estimated Project Cost multiplied by 80%:

Project Reimbursement Request \$ 0

State Local Bridge Project Grant: *(Cannot be combined with Federal reimbursement)*

Allowable Grant Percentage 31.14% of Total Cost.

Project Grant Request \$ 585,000 x 0.3114 = \$182,169

State Local Bridge Project Loan: *(Maximum 50% of total project cost)*

Project Loan Request \$ 292,500

Schedule: (Anticipated Dates)

Public Hearing Conducted:	<u>Mar. /05</u>
Design Completion:	<u>Jun. /05</u>
Property Acquisition Completion:	<u>Apr. /05</u>
Utilities Coordination Completion:	<u>Mar. /05</u>
Construction Advertising:	<u>Aug. /05</u>
Supplemental Application Submission:	<u>Mar. /05</u>
Start of Construction:	<u>Oct. /05</u>
Completion of Construction:	<u>Apr. /06</u>

I hereby certify that the above is accurate and true, to the best of my knowledge and belief.

Signature: _____
(Chief Elected Official, Town Manager, or other Officer Duly Authorized)
Mayor Mark D. Boughton
Date: _____

Return completed applications to: Mr. Stanley C. Juber
Administrator of the Local Bridge Program
Connecticut Department of Transportation
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034040	Danbury	Reservoir Road	Brook	5	5	4	6	N	4	4	6	50.21	49.02
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037003	Durham	Coe Road	Parmalee Brook	N	N	N	5	4	4			67.84	66.51
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046003	East Windsor	East Road	Ketch Brook	4	4	4	8	N	4	2	2	50.71	49.38
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056051	Greenwich	Winding Lane	Horseneck Brook	N	N	N	2	6	2	6	7	77.16	76.27
058003	Groton	Packer Road	Haleys Brook	4	4	7	6	N	4	5	7	57.71	56.60
058008	Groton	Beach Road	Venetian Harbor	N	N	N	7	4	4	4	7	55.89	54.56
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064002	Hartland	Fuller Road	Belden Brook	7	7	4	4	N	4			36.65	33.76
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073011	Litchfield	West Morris Road	Hill Brook	7	7	4	7	N	4	5	7	58.10	57.21