

Capital Improvement Budget Town of Coventry, CT



Town Manager's Proposed Budget For Fiscal Year 2023-2024 To Fiscal Year 2028-2029

Presented to the Planning & Zoning February 27, 2023

Sec. 8-24. Municipal improvements. No municipal agency or legislative body shall (1) locate, accept, abandon, widen, narrow or extend any street, bridge, parkway or other public way, (2) locate, relocate, substantially improve, acquire land for, abandon, sell or lease any airport, park, playground, school or other municipally owned property or public building, (3) locate or extend any public housing, development, redevelopment or urban renewal project, or (4) locate or extend public utilities and terminals for water, sewerage, light, power, transit and other purposes, until the proposal to take such action has been referred to the commission for a report. Notwithstanding the provisions of this section, a municipality may take final action approving an appropriation for any proposal prior to the approval of the proposal by the commission pursuant to this section. The failure of the commission to report within thirty-five days after the date of official submission of the proposal to it for a report shall be taken as approval of the proposal. In the case of the disapproval of the proposal by the commission the reasons therefor shall be recorded and transmitted to the legislative body of the municipality. A proposal disapproved by the commission shall be adopted by the municipality or, in the case of disapproval of a proposal by the commission subsequent to final action by a municipality approving an appropriation for the proposal and the method of financing of such appropriation, such final action shall be effective, only after the subsequent approval of the proposal by (A) a two-thirds vote of the town council where one exists, or a majority vote of those present and voting in an annual or special town meeting, or (B) a two-thirds vote of the representative town meeting or city council or the warden and burgesses, as the case may be. The provisions of this section shall not apply to maintenance or repair of existing property, public ways or buildings.

Town of Coventry, Connecticut

Capital Improvement Plan

Administrative Summary

Visions and Goals

What is a capital improvement program? A capital improvement program (CIP) as used in Coventry is a multi-year planning instrument used to identify needed capital projects and to coordinate the financing and timing of the improvements.

Why do we need a CIP? Many governments go about the process of considering and approving capital projects in an undisciplined and uncoordinated manner. Such ad hoc procedures inevitably waste public funds, fail to consider available information and sometimes result in poor project timing. Optimal results require an orderly, comprehensive process that: 1) considers all projects at a single time; 2) produces a planning document that considers available financing sources and feasible timing. Opportunities for public input can be enhanced, while complaints are minimized about projects that "come from nowhere".

A CIP ensures some continuity when decision makers change because of expiring terms or personnel changes. Most important, projects of dissimilar character are compared and evaluated by elected officials who represent the public in choosing between various facilities and services.

Can capital programming save us money? Investors and bond rating agencies stress the value of a CIP for a government seeking to borrow funds. The absence of rational, long-term planning is a negative factor when the rating agencies evaluate the Town. The result is a higher interest rate on bond issues sold by governments that do not document and disclose their long-term capital financing needs and plans. Thus, a tangible cost savings results when capital improvement programming is used. Another financial benefit from the capital programming process is the avoidance of poorly timed projects. Far too often governments install capital facilities, only to find them torn up later by other installations. Good planning can ensure that these efforts are coordinated and costly duplications avoided. Finally, significant savings can accrue to taxpayers when major capital financing is coordinated so that bond issues are sold infrequently, but at good times during the economic cycle. A sound capital planning process helps to promote such practices.

Will a CIP show us anything we don't already know? Many governments have failed to engage in long-term financial planning and, as a result, are unaware of how their capital financing requirements will accumulate over future years. As a result, some jurisdictions unfortunately have deferred maintenance and capital replacement projects in order to sustain operations beyond their financial capabilities. The capital improvement programming process can help to identify financial imbalances and begin the steps necessary to assure sound, long-term operations and capital financing strategies.

The attached summary of the Capital Improvement Program recognizes the Town's ongoing responsibility to maintain its capital investment in facilities, equipment, and infrastructure and to improve those facilities to meet the demands of a dynamic community. The program also recognizes, however, the Town's responsibility to limit such undertakings to a level which will preserve the fiscal integrity of the Town.

Policies

What is a capital project? All capital improvements are single projects exceeding \$10,000 in cost with a life expectancy of five (5) years. The Board of Education has a \$20,000 threshold for capital projects. All projects under these thresholds are contained in the Town and Board operating budgets.

What is the relationship of the capital budget to the general fund budget? An appropriation should be included in the general fund budget annually for capital expenditures. This appropriation becomes one of several sources of funds to finance individual specific projects which are proposed.

Other sources of financing for the capital budget include state and federal grants, transfers from other other funds, capital reserve for non-recurring expenditures fund, Town Road funds, Locip, and other miscellaneous funds.

Most elements of the capital budget will be included in the capital as an approved project when they are approved by the voters at the annual Town Meeting. However, items to be financed from bond issues are not included in the the capittal fund as an approved project until such time as a successful bond referendum is held.

In addition to the CIP the Town of Coventry has established, pursuant to chapter 108 of the CT general statutes, a capital reserve fund. The purpose of the fund is to allow the accumulation of a reserve to fund future projects. Under ideal conditions payments would be made into this fund annually from the general fund and expenditures paid out this this fund. This would allow for a more equal annual flow of funds for capital projects.

Process

Each Agency and Department are requested to study their operation and prepare a CIP budget submission of their projected capital needs for the

Administrative Summary

upcoming six years to the Town Manager in November of each year. Pursuant to the Coventry Town Charter the Manager reviews these requests and prioritizes and modifies them. The CIP plan is then submitted to the Planning and Zoning Commission to review in accordance with C.G.S. 8-24. The budget proposal is combined with the Annual Operating Budget and submitted to the Town Council in March. The Council reviews the submittal, and takes input from the citizens through the Budget Hearing and also from the Planning and Zoning Commission. After making modifications the Council's proposed Budget is submitted to an Annual Town Meeting on the fourth Saturday of April. The Town Meeting may make reductions to the proposed budget. The resulting budget is then submitted to a referendum in early May. If approved at the referendum the plan is in place for July and projects may proceed in accordance with Town purchasing regulations.

Process Calendar

Capital Budget forms prepared & sent out.: Oct.24, 2022

Completed Capital Budget forms returned to Town Manager (including Board of Education) : Dec 5, 2022

Capital Budget discussion & presentation before Council: February 2023

Capital Budget forwarded to Planning & Zoning: February 21, 2023

Hearing Legal Notice deadline: Feb. 23, 2023

Planning & Zoning 8-24 Review: February 27, 2023

Town Manager's budget submission: March 6, 2023

Public Budget Hearing: March 9, 2022

Council adjustment deadline April 3, 2023

Town meeting Legal notice deadline: April 6, 2023

Annual Town Meeting: April 22, 2023

Adjourned Town Meeting/Referendum: May 2, 2023

CAPITAL IMPROVEMENT PLAN

SUMMARY

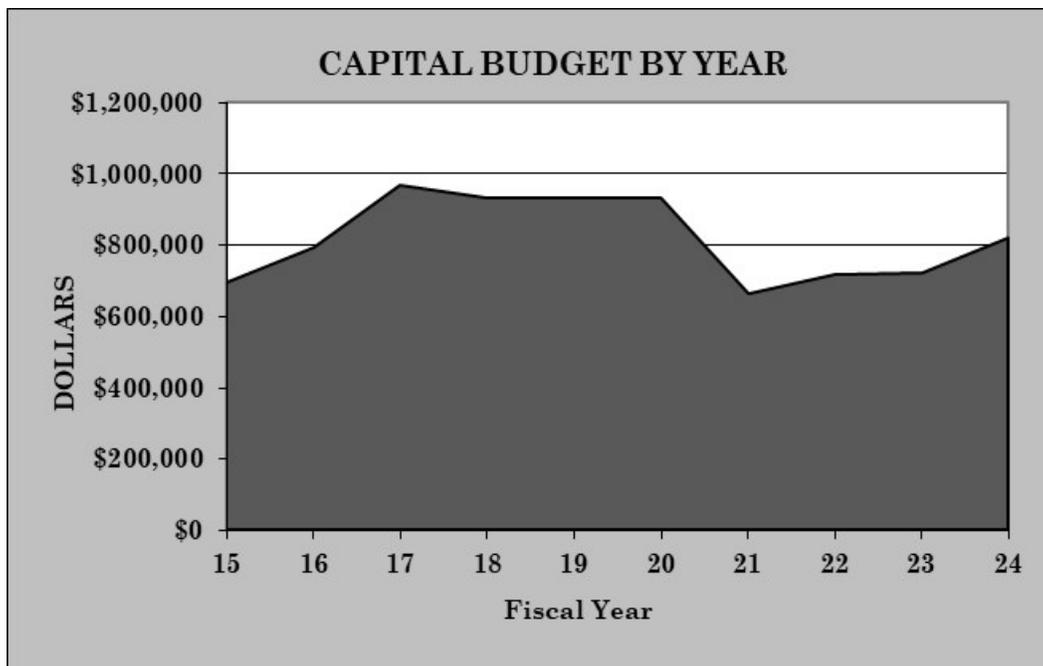
CAPITAL IMPROVEMENT PROGRAM: FY 2024-2028

PROGRAM DESCRIPTION

CAPITAL IMPROVEMENT PROGRAM BUDGET SUMMARY
FISCAL YEAR 22-23

Estimated Revenues	Adopted 22/23	Requested 23/24	Increase/ Change
General	\$ 723,500	\$ 820,000	\$ 96,500
Town Aid Road	300,000	290,000	(10,000)
LOCIP	100,000	101,000	1,000
Capital Non-Recurring Reserve	63,500	50,000	(13,500)
State & Federal Grants	1,739,500	13,910,790	12,171,290
Notes & Bonds	8,210,000	2,000,000	(6,210,000)
Other	60,000	176,460	116,460
Lease Purchase	95,000	235,000	140,000
TOTAL	\$ 11,291,500	\$ 17,583,250	\$ 6,291,750

Estimated Expenditures			
General Administration	\$ 103,000	\$ 7,144,000	\$ 7,041,000
Public Safety	312,000	186,000	(126,000)
Public Works	4,718,500	5,734,050	1,015,550
Human Services	-	35,000	35,000
Culture & Recreation	193,000	304,200	111,200
Education	5,995,000	4,160,000	(1,835,000)
Reserve for Capital (CNREF)	-	20,000	20,000
TOTAL	\$ 11,321,500	\$ 17,583,250	\$ 6,261,750



CAPITAL IMPROVEMENT PROGRAM

The following Capital Project Funds are established to account for the resources used for the acquisition of capital facilities and infrastructure for the Town of Coventry with the exception of those items financed by Special Revenue Funds.

CAPITAL EXPENDITURES (General Fund):

This funding source relies on the use of Town cash, raised through taxes, to undertake necessary capital improvements or make capital purchases. This year, \$820,000 is requested, an increase of \$96,500 from last year's Capital Budget. \$140,000 is proposed for the Board of Education, a \$1,000 increase from the prior year. We have established a threshold of not lease purchasing items under \$50,000. Industry standards for capital replacement call for funding 10% of the annual operating budget for capital replacement. We fall short of that standard by over \$2,500,000. This means over time, we rely on borrowing to pay for projects and incur interest expenses which could have been avoided if we properly funded this account. Sixteen (16) projects are planned for this activity. They include:

1 Summer Road Program (partial-see also Town Aid)	\$ 290,000
2 Network refresh	45,000
3 Education Computer Upgrades	50,000
4 Classroom Furniture	45,000
5 Town Hall Computer Upgrades	44,000
6 Police SUV Replacement	52,000
7 SCBA Fire Paks	24,000
8 Fire Gear	25,000
9 Fire Hose/equipment	20,000
10 Special Operations Equipment	20,000
11 Open Space Fund	15,000
12 CNREF	20,000
13 Lake Management	75,000
14 Revaluation	65,000
15 GIS Upgrades	10,000
16 Keyless Lock/Security - DPW	20,000
TOTAL	<u>\$ 820,000</u>

TOWN AID ROADS

The State of Connecticut grants money to the Town based upon the number of miles of improved and unimproved roads. The improved road funds supplement town tax dollars for the annual road resurfacing program. The unimproved road fund is designed to upgrade non-paved roads. We hope to receive \$290,000 in Town Aid for Roads (TAR) funds from the State. TAR funds are supplemented by \$290,000 of local funds for a total summer roads program of \$580,000.

LOCAL CAPITAL IMPROVEMENT PROGRAM (LOCIP)

The State of Connecticut has established a trust fund to promote local infrastructure repair. The State will reimburse the Town for 100% of eligible improvement projects to Town roadways, buildings and facilities. LOCIP, in general, cannot be utilized to purchase equipment or furnishings, or on school buildings. The Town will not receive these funds if the projects are not completed. The funds are not included in the revenue projections per auditor's advice. Instead a separate Special Revenue Fund has been created. A separate question at Town meeting is required. Annually the fund receives around \$100,000 and balances can be carried forward. Seven project totaling \$101,000 has been proposed:

1	Patriots Park Improvements	\$25,000
2	Laidlaw Park Improvements	\$12,000
3	Miller Richardson Park Improvements	\$10,000
4	Lisicke Beach Improvements	\$10,000
6	Fire Pond Maintenance	\$10,000
6	Police Station Updates	\$15,000
7	Pickle Ball Court Repair	\$19,000
	Total	\$101,000

CAPITAL & NON-RECURRING EXPENDITURES FUND (CNREF)

The Town Charter provides for the establishment and funding of a Capital Non-Recurring Expenditures Fund for the purpose of paying the cost of capital improvements over multi-year periods. In accordance with Chapter 108 of the Connecticut General Statutes, the Town Council may levy an annual tax not to exceed two (2) mils for the benefit of CNREF. In addition, the Council may transfer to the CNREF any portion of resources of the General Fund not otherwise appropriated. In an effort to restore this fund, increasing appropriations are scheduled to get to the point where major equipment purchases can be made. The FY24 budget proposes a contribution of \$20,000 to this fund. One purchase out of this fund is proposed: A staff vehicle (\$50,000). It is hoped that at year-end some funds may be appropriated to this fund.

STATE & FEDERAL GRANTS

Occasionally the Town becomes aware of opportunities to undertake special projects utilizing funds from government or private grants. Grants anticipated include:

1	School HVAC	\$3,000,000
2	Public Water Supply	\$6,000,000
3	Cemetery Wall Repair	\$5,000
4	Daly Road Safety Improvements	\$3,000,000
5	Hop River Trail Signage	\$44,740
6	Recreational Trail – Hunt Property	\$128,000
7	Depot Road Bridge	\$791,400
8	Brigham Road Bridge	\$556,650
9	Hop River Road Bridge	\$385,000
	Total	\$13,910,790

NOTES & BONDS

The Town borrows money from time to time to finance large expenditures beyond the Town's ability to pay on a cash basis. To borrow money or undertake a project of more than \$100,000, approval of a Town meeting and referendum is required in accordance with Section 9-3 of the Town Charter. A \$2,000,000 bond proposal is recommended for the May vote. This bond includes \$1,000,000 for public water supply and fire suppression and \$1,000,000 for district-wide HVAC repair.

OTHER

Special project funds are established from time to time for specific projects. Several projects are envisioned this year. Local LOCIP funds will be used to continue funding the Town's conversion to an electronic document management system. The Cemetery Fund, Cafeteria Fund, Sewer Fund and Recreation Fund will both fund improvements of their respective locations. A fine-cut mower will be purchased for the Public Works department from our Miscellaneous Highway Fund. In addition, there are \$105,460 in local grants and in-kind contribution work related to the Town's many State & Federal grants.

1.	Document Management	Local Locip	\$10,000
2.	Cemetery Expansion/Improvement	Cemetery Fund	\$5,000
3.	Kitchen Equipment/Stove upgrades	Cafeteria Fund	\$20,000
4.	Park Improvements	Recreation Fund	\$5,000
5.	Pump Station Improvements	Sewer Fund	\$15,000
6.	Fine-cut Mower	Misc. Hghway Fund	\$16,000
7.	In-kind/Local Grant		\$105,460
	Total		\$176,460

LEASE PURCHASE

From time to time the Town decides to lease purchase equipment over time to lessen the immediate impact of the acquisition cost. These lease purchase agreements must contain a clause which releases the Town from the agreement if the payment is not funded. The annual payments are typically carried in the debt service portion of the budget. One lease purchase is proposed to purchase: 1) one seven year lease purchases for a large fully equipped dump truck with a cost of \$235,000 (7 year lease for \$36,620 annually).

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

DEPARTMENT SUMMARY

Department	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CNREF	20,000	50,000	100,000	175,000	200,000	545,000
Culture & Recreation	304,200	76,500	110,000	105,000	10,115,000	10,710,700
Education	4,160,000	1,021,000	7,218,000	406,000	380,000	13,185,000
General Administration	7,144,000	157,800	91,000	2,072,000	182,000	9,646,800
Human Services	35,000	60,000			30,000	125,000
Public Safety	186,000	448,000	721,500	193,500	270,500	1,819,500
Public Works	5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	35,441,800
TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

EXPENDITURE TYPE SUMMARY

Expenditure Type	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Planning/Design	1,733,050	185,000		60,000		1,978,050
Land Acquisition	15,000	25,000	25,000	25,000	25,000	115,000
Construction/Maintenance	15,009,200	17,757,750	7,768,000	2,851,000	19,295,000	62,680,950
Equip/Vehicles/Furnishings	721,000	1,423,000	1,582,000	1,254,500	941,500	5,922,000
Other	105,000	137,800	110,000	175,000	250,000	777,800
TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

CATEGORY SUMMARY

Category	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Buildings	35,000	666,000	6,135,000	121,000	10,095,000	17,052,000
Buildings - Additions	35,000			2,000,000		2,035,000
Buildings - Asbestos		35,000	250,000			285,000
Buildings - HVAC & Electrical	4,000,000		10,000			4,010,000
Buildings - Roof					30,000	30,000
Equipment	129,000	109,000	265,500	113,500	177,500	794,500
Equipment - Computers/software	139,000	245,000	296,000	297,000	297,000	1,274,000
Equipment - Ground Maintenance	16,000		16,500			32,500
Equipment - Highway Equip		150,000				150,000
Equipment - Office	55,000	114,000	60,000	45,000	95,000	369,000
Improvements - Not Building		35,000		20,000		55,000
Infrastructure	30,000	970,000	100,000	195,000	200,000	1,495,000
Infrastructure - Asphalt Roadway			43,000			43,000
Infrastructure - Bridges	1,733,050	15,043,750				16,776,800
Infrastructure - Culverts major		13,500	20,000	20,000	20,000	73,500
Infrastructure - Surface Treated			350,000			350,000
Infrastructure - Traffic Signals		498,000				498,000
Land	15,000	25,000	25,000	25,000	25,000	115,000
Land - Grounds Improvements	25,000		70,000	30,000		125,000
Land - Paved Improvements		15,000			50,000	65,000
Park Improvements	274,200	16,500	20,000	20,000	50,000	380,700
Park: Patriots	30,000	45,000	15,000	25,000	15,000	130,000
Storm Sewer/Drainage			10,000		35,000	45,000
Street Reconstruction	3,000,000					3,000,000
Street: Summer Roads	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Unassigned	75,000	87,800	10,000		50,000	222,800
Vehicles - Cars & Light Trucks	50,000	175,000	70,000	190,000	35,000	520,000
Vehicles - Construction	235,000	345,000	245,000	429,000	253,000	1,507,000
Vehicles - EMS		80,000				80,000
Vehicles - Fire Trucks		75,000	537,000			612,000
Vehicles - police	52,000	130,000	64,000	70,000	70,000	386,000
Wastewater			218,000	110,000	8,014,000	8,342,000
Water	7,075,000	75,000	75,000	75,000		7,300,000
TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY YEAR

Project Name	Department	Project #	Priority	Project Cost
FY 24				
CNREF FUND	CNREF	12-GA-01	2	20,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	30,000
Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	16,000
Laidlaw Park Improvements	Culture & Recreation	09-CR-08	3	12,000
Lisicke Beach Improvements	Culture & Recreation	24-CR-01	1	10,000
Pickle Ball court repair at CHS	Culture & Recreation	24-CR-02	3	19,000
Hop River Trail Signage	Culture & Recreation	24-CR-05	3	57,200
Recreational Trails - Hunt Property	Culture & Recreation	24-CR-06	3	160,000
Network Upgrades	Education	09-ED-01	1	45,000
Classroom Furniture	Education	09-ED-11	2	45,000
Classroom technology	Education	23-ED-02	2	50,000
District-wide HVAC Replacement and Upgrade	Education	24-ED-02	1	4,000,000
Kitchen Equipment Conversion/Replacement to Gas	Education	24-ED-06	3	20,000
Information Technology	General Administration	09-GA-01	1	44,000
Revaluation	General Administration	09-GA-02	1	65,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	15,000
Public Water Supply and Fire Suppression.	General Administration	14-GA-02	1	7,000,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Electronic Document Management System	General Administration	22-GA-03	2	10,000
Senior Center Commercial Kitchen	Human Services	24-HS-01	2	35,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	52,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	25,000
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Police Station Updates	Public Safety	19-PS-06	3	15,000
Fire Pond Maintenance and Creation	Public Safety	20-PS-04	3	10,000
Hose and Equipment	Public Safety	21-PS-06	2	20,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Large Dump Replacement	Public Works	09-PW-01	1	235,000
Summer Roads	Public Works	09-PW-06	1	580,000
Mowers (fine cut)	Public Works	09-PW-16	2	16,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	10,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
Daly Road Safety Improvements	Public Works	21-PW-09	2	3,000,000
Avery Shores Pump Station Site Improvements	Public Works	23-PW-07	4	15,000
Keyless Lock/Security System DPW	Public Works	24-PW-01	2	20,000
Staff Vehicles	Public Works	24-PW-03	2	50,000
Depot Road Bridge Replacement	Public Works	24-PW-04	2	791,400
Brigham Road Bridge Replacement	Public Works	24-PW-05	2	556,650
Hop River Road Bridge Replacement	Public Works	24-PW-07	1	385,000
Total for FY 24				17,583,250
FY 25				
CNREF FUND	CNREF	12-GA-01	2	50,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	45,000

Project Name	Department	Project #	Priority	Project Cost
Furnishing Replacement and Additional Shelving	Culture & Recreation	23-CR-01	3	15,000
Lisicke Beach Improvements	Culture & Recreation	24-CR-01	1	16,500
Network Upgrades	Education	09-ED-01	1	50,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Carpet Replacement	Education	09-ED-14	2	30,000
School Maintenance Vehicles	Education	14-ED-05	3	50,000
School Wood Floor Refinishing	Education	14-ED-06	3	36,000
Relocate High School Weight Room	Education	20-ED-05	1	450,000
Classroom technology	Education	23-ED-02	2	150,000
CGS Perimeter Sidewalk Replacement	Education	24-ED-01	3	25,000
District Wide Window Replacement	Education	24-ED-04	3	150,000
CHS Asbestos Removal	Education	24-ED-05	4	35,000
Information Technology	General Administration	09-GA-01	1	45,000
Revaluation	General Administration	09-GA-02	1	77,800
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Elderly Van Replacement	Human Services	09-HS-01	3	60,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	130,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	25,000
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Service Truck Replacements	Public Safety	19-PS-03	2	80,000
Engine Tanker Refurbishment	Public Safety	19-PS-05	3	75,000
Hose and Equipment	Public Safety	21-PS-06	2	20,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Training Room Improvement/Equipment	Public Safety	24-PS-01	2	15,000
SCBA PPE Multi-Washer	Public Safety	24-PS-02	2	39,000
Large Dump Replacement	Public Works	09-PW-01	1	240,000
Summer Roads	Public Works	09-PW-06	1	580,000
Small Bridge and Culverts	Public Works	09-PW-09	3	13,500
Small Dump Trucks	Public Works	09-PW-14	2	105,000
Pick-up Trucks	Public Works	09-PW-15	3	65,000
Sidewalk Extension and Repair	Public Works	11-PW-03	4	15,000
Open Space Stewardship	Public Works	13-PW-05	3	10,000
Tri-axle Dump Truck	Public Works	13-PW-07	3	150,000
Guardrail	Public Works	13-PW-08	3	20,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
Community Connectivity Sidewalk Extension	Public Works	21-PW-07	2	900,000
Depot Road Bridge Replacement	Public Works	24-PW-04	2	6,600,000
Brigham Road Bridge Replacement	Public Works	24-PW-05	2	4,643,750
Pedestrian Improvements	Public Works	24-PW-06	2	498,000
Hop River Road Bridge Replacement	Public Works	24-PW-07	1	3,800,000
Total for FY 25				19,528,550

FY 26

CNREF FUND	CNREF	12-GA-01	2	100,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
Creaser Park	Culture & Recreation	09-CR-11	3	20,000
Portico Repairs	Culture & Recreation	24-CR-03	2	75,000
Network Upgrades	Education	09-ED-01	1	50,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Custodial Equipment	Education	14-ED-03	3	25,000
CHS Lecture Hall Seating	Education	14-ED-09	3	70,000
Crack Sealing of School Parking Lots	Education	18-ED-01	2	43,000
PSS Van Replacement	Education	18-ED-06	2	70,000
GHR Parking Lot Replacement	Education	18-ED-07	3	350,000

Project Name	Department	Project #	Priority	Project Cost
Replacement Lockers - CNH	Education	21-ED-05	3	65,000
Fire Tank Repair and Inspection	Education	23-ED-01	3	50,000
Classroom technology	Education	23-ED-02	2	200,000
District Wide Window Replacement	Education	24-ED-04	3	6,000,000
CHS Asbestos Removal	Education	24-ED-05	4	250,000
Information Technology	General Administration	09-GA-01	1	46,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
Town Hall Renovations	General Administration	09-GA-09	1	10,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	64,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	27,500
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	16,000
Ambulance Replacement	Public Safety	18-PS-01	1	462,000
Engine Tanker Refurbishment	Public Safety	19-PS-05	3	75,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Training Room Improvement/Equipment	Public Safety	24-PS-01	2	15,000
Large Dump Replacement	Public Works	09-PW-01	1	245,000
Summer Roads	Public Works	09-PW-06	1	580,000
Large Drainage Projects	Public Works	09-PW-07	3	10,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Field Irrigation	Public Works	09-PW-11	4	20,000
Mowers (fine cut)	Public Works	09-PW-16	2	16,500
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	50,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
Additional Infiltration Basins	Public Works	21-PW-06	2	200,000
Pump Replacements	Public Works	22-PW-02	3	18,000
Add Heat to DPW Building at CHS	Public Works	24-PW-02	3	10,000
Total for FY 26				9,485,000

FY 27

CNREF FUND	CNREF	12-GA-01	2	175,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	25,000
Creaser Park	Culture & Recreation	09-CR-11	3	20,000
New Community Center	Culture & Recreation	23-CR-02	2	60,000
Network Upgrades	Education	09-ED-01	1	50,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Maintenance Vehicles	Education	14-ED-05	3	50,000
School Wood Floor Refinishing	Education	14-ED-06	3	36,000
Fire Tank Repair and Inspection	Education	23-ED-01	3	25,000
Classroom technology	Education	23-ED-02	2	200,000
Information Technology	General Administration	09-GA-01	1	47,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
Meeting Room Addition	General Administration	09-GA-08	3	2,000,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	70,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	27,500
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Fire Pond Maintenance and Creation	Public Safety	20-PS-04	3	10,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Large Dump Replacement	Public Works	09-PW-01	1	249,000
Summer Roads	Public Works	09-PW-06	1	580,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Pick-up Trucks	Public Works	09-PW-15	3	70,000
Urban Forestry Stewardship	Public Works	09-PW-19	3	30,000

Project Name	Department	Project #	Priority	Project Cost
Open Space Stewardship	Public Works	13-PW-05	3	20,000
Guardrail	Public Works	13-PW-08	3	10,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
Auger Monster	Public Works	22-PW-01	2	110,000
Additional Backhoe	Public Works	23-PW-04	3	180,000
WPCA Replacement Pickup Truck	Public Works	23-PW-06	3	70,000
Total for FY 27				4,365,500

FY 28

CNREF FUND	CNREF	12-GA-01	2	200,000
Parking Lot Resurfacing	Culture & Recreation	09-CR-05	3	50,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	50,000
New Community Center	Culture & Recreation	23-CR-02	2	10,000,000
Network Upgrades	Education	09-ED-01	1	50,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Maintenance Vehicles	Education	14-ED-05	3	35,000
Fireproof File Cabinets	Education	20-ED-04	3	50,000
Classroom technology	Education	23-ED-02	2	200,000
Information Technology	General Administration	09-GA-01	1	47,000
Revaluation	General Administration	09-GA-02	1	50,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
Town Hall Renovations	General Administration	09-GA-09	1	60,000
Re-roofing senior center	Human Services	24-HS-02	3	30,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	70,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	27,500
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Police Station Updates	Public Safety	19-PS-06	3	35,000
Hose and Equipment	Public Safety	21-PS-06	2	24,000
Lucas Device	Public Safety	22-PS-03	3	50,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Large Dump Replacement	Public Works	09-PW-01	1	253,000
Summer Roads	Public Works	09-PW-06	1	1,000,000
Large Drainage Projects	Public Works	09-PW-07	3	35,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
WPCA Plant Modifications or Windham Connection	Public Works	14-PW-08	5	8,000,000
Muffin Monster Cutter Exchange	Public Works	21-PW-04	3	12,000
Pump Replacements	Public Works	22-PW-02	3	14,000
Total for FY 28				20,511,500

GRAND TOTAL

71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY DEPARTMENT

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CNREF								
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	545,000
CNREF Total			20,000	50,000	100,000	175,000	200,000	545,000
Culture & Recreation								
Parking Lot Resurfacing	09-CR-05	3					50,000	50,000
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	130,000
Miller Richardson Improvements	09-CR-07	1	16,000				50,000	66,000
Laidlaw Park Improvements	09-CR-08	3	12,000					12,000
Creaser Park	09-CR-11	3			20,000	20,000		40,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000				15,000
New Community Center	23-CR-02	2				60,000	10,000,000	10,060,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500				26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000					19,000
Portico Repairs	24-CR-03	2			75,000			75,000
Hop River Trail Signage	24-CR-05	3	57,200					57,200
Recreational Trails - Hunt Property	24-CR-06	3	160,000					160,000
Culture & Recreation Total			304,200	76,500	110,000	105,000	10,115,000	10,710,700
Education								
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	245,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	225,000
School Carpet Replacement	09-ED-14	2		30,000				30,000
School Custodial Equipment	14-ED-03	3			25,000			25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000	135,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000		72,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000			43,000
PSS Van Replacement	18-ED-06	2			70,000			70,000
GHR Parking Lot Replacement	18-ED-07	3			350,000			350,000
Fireproof File Cabinets	20-ED-04	3					50,000	50,000
Relocate High School Weight Room	20-ED-05	1		450,000				450,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000		75,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	800,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000				25,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000					4,000,000
District Wide Window Replacement	24-ED-04	3		150,000	6,000,000			6,150,000
CHS Asbestos Removal	24-ED-05	4		35,000	250,000			285,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000					20,000
Education Total			4,160,000	1,021,000	7,218,000	406,000	380,000	13,185,000
General Administration								
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	229,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Revaluation	09-GA-02	1	65,000	77,800			50,000	192,800
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Meeting Room Addition	09-GA-08	3				2,000,000		2,000,000
Town Hall Renovations	09-GA-09	1			10,000		60,000	70,000
Public Water Supply and Fire Suspression.	14-GA-02	1	7,000,000					7,000,000
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000			30,000
Electronic Document Management System	22-GA-03	2	10,000					10,000
General Administration Total			7,144,000	157,800	91,000	2,072,000	182,000	9,646,800
Human Services								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000					35,000
Re-roofing senior center	24-HS-02	3					30,000	30,000
Human Services Total			35,000	60,000			30,000	125,000
Public Safety								
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	386,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Ambulance Replacement	18-PS-01	1			462,000			462,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Police Station Updates	19-PS-06	3	15,000				35,000	50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000		20,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Lucas Device	22-PS-03	3					50,000	50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	200,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000				39,000
Public Safety Total			186,000	448,000	721,500	193,500	270,500	1,819,500
Public Works								
Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	1,222,000
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Large Drainage Projects	09-PW-07	3			10,000		35,000	45,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	73,500
Field Irrigation	09-PW-11	4			20,000			20,000
Small Dump Trucks	09-PW-14	2		105,000				105,000
Pick-up Trucks	09-PW-15	3		65,000		70,000		135,000
Mowers (fine cut)	09-PW-16	2	16,000		16,500			32,500
Urban Forestry Stewardship	09-PW-19	3				30,000		30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Open Space Stewardship	13-PW-05	3		10,000		20,000		30,000
Tri-axle Dump Truck	13-PW-07	3		150,000				150,000
Guardrail	13-PW-08	3		20,000		10,000		30,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000			60,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000	8,000,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000		300,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000	12,000
Additional Infiltration Basins	21-PW-06	2			200,000			200,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000				900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000					3,000,000
Auger Monster	22-PW-01	2				110,000		110,000
Pump Replacements	22-PW-02	3			18,000		14,000	32,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Additonal Backhoe	23-PW-04	3				180,000		180,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000		70,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000					15,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000					20,000
Add Heat to DPW Buidling at CHS	24-PW-02	3			10,000			10,000
Staff Vehicles	24-PW-03	2	50,000					50,000
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000				7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750				5,200,400
Pedestrian Improvements	24-PW-06	2		498,000				498,000
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000				4,185,000
Public Works Total			5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	35,441,800
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

CAPITAL IMPROVEMENT PLAN

FUNDING

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

FUNDING SOURCE SUMMARY

Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Bonding	2,000,000	352,500	3,415,000	500,000	16,000,000	22,267,500
Cafeteria Fund	20,000					20,000
Capital NonRecurring Fund	50,000					50,000
Cemetery Fund	5,000					5,000
Donations\Non-Gov't Grant	105,460					105,460
EMS Fund			462,000		50,000	512,000
General Fund	820,000	1,546,800	1,750,000	1,541,500	1,787,500	7,445,800
Lease Purchase	235,000	495,000	245,000	249,000	253,000	1,477,000
Local Locip (Town Clerk fees)	10,000					10,000
LOCIP	101,000	100,000	100,000	100,000	100,000	501,000
Miscellaneous Highway Fund	16,000					16,000
Recreation Fund	5,000	5,000	5,000	5,000	5,000	25,000
Sewer Fund	15,000		218,000	180,000	26,000	439,000
State/Federal Grant/Loan	14,200,790	17,029,250	3,290,000	1,790,000	2,290,000	38,600,040
GRAND TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Bonding								
Meeting Room Addition	09-GA-08	3				500,000		500,000
Public Water Supply and Fire Suppression.	14-GA-02	1	1,000,000					1,000,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					6,000,000	6,000,000
GHR Parking Lot Replacement	18-ED-07	3			350,000			350,000
Relocate High School Weight Room	20-ED-05	1		202,500				202,500
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
New Community Center	23-CR-02	2					10,000,000	10,000,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	1,000,000					1,000,000
District Wide Window Replacement	24-ED-04	3		150,000	3,000,000			3,150,000
Bonding Total			2,000,000	352,500	3,415,000	500,000	16,000,000	22,267,500
Cafeteria Fund								
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000					20,000
Cafeteria Fund Total			20,000					20,000
Capital NonRecurring Fund								
Staff Vehicles	24-PW-03	2	50,000					50,000
Capital NonRecurring Fund Total			50,000					50,000
Cemetery Fund								
Cemetery Expansion/Improvements	14-PW-04	3	5,000					5,000
Cemetery Fund Total			5,000					5,000
Donations\Non-Gov't Grant								
Miller Richardson Improvements	09-CR-07	1	6,000					6,000
Special Operations Equipment	23-PS-01	3	20,000					20,000
Hop River Trail Signage	24-CR-05	3	12,460					12,460
Recreational Trails - Hunt Property	24-CR-06	3	32,000					32,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000					35,000
Donations\Non-Gov't Grant Total			105,460					105,460
EMS Fund								
Ambulance Replacement	18-PS-01	1			462,000			462,000
Lucas Device	22-PS-03	3					50,000	50,000
EMS Fund Total					462,000		50,000	512,000

Source	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
General Fund								
Parking Lot Resurfacing	09-CR-05	3					50,000	50,000
Miller Richardson Improvements	09-CR-07	1					50,000	50,000
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	245,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	225,000
School Carpet Replacement	09-ED-14	2		30,000				30,000
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	229,000
Revaluation	09-GA-02	1	65,000	77,800			50,000	192,800
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Town Hall Renovations	09-GA-09	1					60,000	60,000
Elderly Van Replacement	09-HS-01	3		10,000				10,000
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	386,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Summer Roads	09-PW-06	1	290,000	290,000	290,000	290,000	710,000	1,870,000
Pick-up Trucks	09-PW-15	3		65,000		70,000		135,000
Mowers (fine cut)	09-PW-16	2			16,500			16,500
Urban Forestry Stewardship	09-PW-19	3				30,000		30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	545,000
School Custodial Equipment	14-ED-03	3			25,000			25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000	135,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000		72,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Cemetery Expansion/Improvements	14-PW-04	3			50,000			50,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000		300,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000			43,000
PSS Van Replacement	18-ED-06	2			70,000			70,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Fireproof File Cabinets	20-ED-04	3					50,000	50,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000			30,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000				15,000
New Community Center	23-CR-02	2				60,000		60,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000		75,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	800,000
Special Operations Equipment	23-PS-01	3	20,000	40,000	40,000	40,000	40,000	180,000
Additional Backhoe	23-PW-04	3				180,000		180,000
Portico Repairs	24-CR-03	2			75,000			75,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000				25,000
CHS Asbestos Removal	24-ED-05	4		35,000	250,000			285,000
Re-roofing senior center	24-HS-02	3					30,000	30,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000				39,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000					20,000
General Fund Total			820,000	1,546,800	1,750,000	1,541,500	1,787,500	7,445,800

Lease Purchase

Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	1,222,000
Small Dump Trucks	09-PW-14	2		105,000				105,000
Tri-axle Dump Truck	13-PW-07	3		150,000				150,000

Source	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Lease Purchase Total			235,000	495,000	245,000	249,000	253,000	1,477,000
Local Locip (Town Clerk fees)								
Electronic Document Management System	22-GA-03	2	10,000					10,000
Local Locip (Town Clerk fees) Total			10,000					10,000
LOCIP								
Patriots Park Improvements	09-CR-06	2	25,000	40,000	10,000	20,000	10,000	105,000
Miller Richardson Improvements	09-CR-07	1	10,000					10,000
Laidlaw Park Improvements	09-CR-08	3	12,000					12,000
Creaser Park	09-CR-11	3			20,000	20,000		40,000
Town Hall Renovations	09-GA-09	1			10,000			10,000
Large Drainage Projects	09-PW-07	3			10,000		35,000	45,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	73,500
Field Irrigation	09-PW-11	4			20,000			20,000
Open Space Stewardship	13-PW-05	3		10,000		20,000		30,000
Guardrail	13-PW-08	3		20,000		10,000		30,000
Police Station Updates	19-PS-06	3	15,000				35,000	50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000		20,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500				26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000					19,000
Add Heat to DPW Building at CHS	24-PW-02	3			10,000			10,000
LOCIP Total			101,000	100,000	100,000	100,000	100,000	501,000
Miscellaneous Highway Fund								
Mowers (fine cut)	09-PW-16	2	16,000					16,000
Miscellaneous Highway Fund Total			16,000					16,000
Recreation Fund								
Patriots Park Improvements	09-CR-06	2	5,000	5,000	5,000	5,000	5,000	25,000
Recreation Fund Total			5,000	5,000	5,000	5,000	5,000	25,000
Sewer Fund								
Muffin Monster Cutter Exchange	21-PW-04	3					12,000	12,000
Additional Infiltration Basins	21-PW-06	2			200,000			200,000
Auger Monster	22-PW-01	2				110,000		110,000
Pump Replacements	22-PW-02	3			18,000		14,000	32,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000		70,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000					15,000
Sewer Fund Total			15,000		218,000	180,000	26,000	439,000
State/Federal Grant/Loan								
Meeting Room Addition	09-GA-08	3				1,500,000		1,500,000
Elderly Van Replacement	09-HS-01	3		50,000				50,000
Summer Roads	09-PW-06	1	290,000	290,000	290,000	290,000	290,000	1,450,000
Public Water Supply and Fire Suppression.	14-GA-02	1	6,000,000					6,000,000

Source	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Cemetery Expansion/Improvements	14-PW-04	3	5,000					5,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					2,000,000	2,000,000
Relocate High School Weight Room	20-ED-05	1		247,500				247,500
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000				900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000					3,000,000
Hop River Trail Signage	24-CR-05	3	44,740					44,740
Recreational Trails - Hunt Property	24-CR-06	3	128,000					128,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	3,000,000					3,000,000
District Wide Window Replacement	24-ED-04	3			3,000,000			3,000,000
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000				7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750				5,200,400
Pedestrian Improvements	24-PW-06	2		498,000				498,000
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000				4,185,000
State/Federal Grant/Loan Total			14,200,790	17,029,250	3,290,000	1,790,000	2,290,000	38,600,040
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CNREF								
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	545,000
CNREF Total			20,000	50,000	100,000	175,000	200,000	545,000
<i>General Fund</i>			20,000	50,000	100,000	175,000	200,000	545,000
<i>CNREF Total</i>			20,000	50,000	100,000	175,000	200,000	545,000
Culture & Recreation								
Parking Lot Resurfacing	09-CR-05	3					50,000	50,000
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	130,000
Miller Richardson Improvements	09-CR-07	1	16,000				50,000	66,000
Laidlaw Park Improvements	09-CR-08	3	12,000					12,000
Creaser Park	09-CR-11	3			20,000	20,000		40,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000				15,000
New Community Center	23-CR-02	2				60,000	10,000,000	10,060,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500				26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000					19,000
Portico Repairs	24-CR-03	2			75,000			75,000
Hop River Trail Signage	24-CR-05	3	57,200					57,200
Recreational Trails - Hunt Property	24-CR-06	3	160,000					160,000
Culture & Recreation Total			304,200	76,500	110,000	105,000	10,115,000	10,710,700
<i>Bonding</i>							10,000,000	10,000,000
<i>Donations\Non-Gov't Grant</i>			50,460					50,460
<i>General Fund</i>				15,000	75,000	60,000	100,000	250,000
<i>LOCIP</i>			76,000	56,500	30,000	40,000	10,000	212,500
<i>Recreation Fund</i>			5,000	5,000	5,000	5,000	5,000	25,000
<i>State/Federal Grant/Loan</i>			172,740					172,740
Culture & Recreation Total			304,200	76,500	110,000	105,000	10,115,000	10,710,700
Education								
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	245,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	225,000
School Carpet Replacement	09-ED-14	2		30,000				30,000
School Custodial Equipment	14-ED-03	3			25,000			25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000	135,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000		72,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000			43,000
PSS Van Replacement	18-ED-06	2			70,000			70,000
GHR Parking Lot Replacement	18-ED-07	3			350,000			350,000
Fireproof File Cabinets	20-ED-04	3					50,000	50,000
Relocate High School Weight Room	20-ED-05	1		450,000				450,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000		75,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	800,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000				25,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000					4,000,000
District Wide Window Replacement	24-ED-04	3		150,000	6,000,000			6,150,000
CHS Asbestos Removal	24-ED-05	4		35,000	250,000			285,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000					20,000
Education Total			4,160,000	1,021,000	7,218,000	406,000	380,000	13,185,000

Bonding			1,000,000	352,500	3,415,000			4,767,500
Cafeteria Fund			20,000					20,000
General Fund			140,000	421,000	803,000	406,000	380,000	2,150,000
State/Federal Grant/Loan			3,000,000	247,500	3,000,000			6,247,500
Education Total			4,160,000	1,021,000	7,218,000	406,000	380,000	13,185,000

General Administration

Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	229,000
Revaluation	09-GA-02	1	65,000	77,800			50,000	192,800
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Meeting Room Addition	09-GA-08	3				2,000,000		2,000,000
Town Hall Renovations	09-GA-09	1			10,000		60,000	70,000
Public Water Supply and Fire Suppression.	14-GA-02	1	7,000,000					7,000,000
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000			30,000
Electronic Document Management System	22-GA-03	2	10,000					10,000
General Administration Total			7,144,000	157,800	91,000	2,072,000	182,000	9,646,800

Bonding			1,000,000			500,000		1,500,000
General Fund			134,000	157,800	81,000	72,000	182,000	626,800
Local Locip (Town Clerk fees)			10,000					10,000
LOCIP					10,000			10,000
State/Federal Grant/Loan			6,000,000			1,500,000		7,500,000
General Administration Total			7,144,000	157,800	91,000	2,072,000	182,000	9,646,800

Human Services

Elderly Van Replacement	09-HS-01	3		60,000				60,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000					35,000
Re-roofing senior center	24-HS-02	3					30,000	30,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Human Services Total			35,000	60,000			30,000	125,000
<i>Donations\Non-Gov't Grant</i>			35,000					35,000
<i>General Fund</i>				10,000			30,000	40,000
<i>State/Federal Grant/Loan</i>				50,000				50,000
Human Services Total			35,000	60,000			30,000	125,000

Public Safety								
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	386,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Ambulance Replacement	18-PS-01	1			462,000			462,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Police Station Updates	19-PS-06	3	15,000				35,000	50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000		20,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Lucas Device	22-PS-03	3					50,000	50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	200,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000				39,000
Public Safety Total			186,000	448,000	721,500	193,500	270,500	1,819,500

<i>Donations\Non-Gov't Grant</i>			20,000					20,000
<i>EMS Fund</i>					462,000		50,000	512,000
<i>General Fund</i>			141,000	448,000	259,500	183,500	185,500	1,217,500
<i>LOCIP</i>			25,000			10,000	35,000	70,000
Public Safety Total			186,000	448,000	721,500	193,500	270,500	1,819,500

Public Works								
Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	1,222,000
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Large Drainage Projects	09-PW-07	3			10,000		35,000	45,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	73,500
Field Irrigation	09-PW-11	4			20,000			20,000
Small Dump Trucks	09-PW-14	2		105,000				105,000
Pick-up Trucks	09-PW-15	3		65,000		70,000		135,000
Mowers (fine cut)	09-PW-16	2	16,000		16,500			32,500
Urban Forestry Stewardship	09-PW-19	3				30,000		30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Open Space Stewardship	13-PW-05	3		10,000		20,000		30,000
Tri-axle Dump Truck	13-PW-07	3		150,000				150,000
Guardrail	13-PW-08	3		20,000		10,000		30,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000			60,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000	8,000,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000		300,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000	12,000
Additional Infiltration Basins	21-PW-06	2			200,000			200,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000				900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000					3,000,000
Auger Monster	22-PW-01	2				110,000		110,000
Pump Replacements	22-PW-02	3			18,000		14,000	32,000
Additonal Backhoe	23-PW-04	3				180,000		180,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000		70,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000					15,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000					20,000
Add Heat to DPW Buidling at CHS	24-PW-02	3			10,000			10,000
Staff Vehicles	24-PW-03	2	50,000					50,000
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000				7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750				5,200,400
Pedestrian Improvements	24-PW-06	2		498,000				498,000
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000				4,185,000
Public Works Total			5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	35,441,800
Bonding							6,000,000	6,000,000
Capital NonRecurring Fund								50,000
Cemetery Fund								5,000
General Fund								385,000
Lease Purchase								445,000
LOCIP								431,500
Miscellaneous Highway Fund								645,000
Sewer Fund								710,000
State/Federal Grant/Loan								2,616,500
Public Works Total								1,477,000
Public Works Total								208,500
Public Works Total								16,000
Public Works Total								15,000
Public Works Total								439,000
Public Works Total								24,629,800
Public Works Total			5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	35,441,800
Grand Total			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

CAPITAL IMPROVEMENT FUND

PROJECT DETAIL

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 12-GA-01
Project Name CNREF FUND

Type Unassigned **Department** CNREF
Useful Life **Contact** Finance Director
Category Infrastructure **Priority** 2 Very Important

Description **Total Project Cost: \$2,372,000**

The Town Council established a goal to rebuild the Capital Non-recurring Expenditure funds as a means to better fund Capital projects and avoid paying interest from bonding or lease purchases. The plan is to slowly increase the cash contribution into the fund and minimize the outlays from the fund.

It was proposed and accepted to skip a contribution for a few years due to ARPA funds being used to fund capital projects. It is time to start rebuilding this fund

Justification

This fund would allow funding for the replacement over the useful life of the equipment to have funds available when the equipment has reached its useful life.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Other	20,000	50,000	100,000	175,000	200,000	200,000	745,000
Total	20,000	50,000	100,000	175,000	200,000	200,000	745,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	20,000	50,000	100,000	175,000	200,000	200,000	745,000
Total	20,000	50,000	100,000	175,000	200,000	200,000	745,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	09-CR-05
Project Name	Parking Lot Resurfacing

Type Improvement	Department Culture & Recreation
Useful Life 20 years	Contact Public Works Director
Category Land - Paved Improvements	Priority 3 Important

Description	Total Project Cost: \$50,000
Resurface Library Lot	

Justification
Parking lot will be 40 years old and was not included in the interior renovation.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance					50,000		50,000
Total					50,000		50,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund					50,000		50,000
Total					50,000		50,000

CT Fence Tech LLC
 48 Lower Butcher Rd
 Ellington, CT 06029

Proposal

Date	Estimate #
12/11/2022	181

Name / Address
Miller Athletic Field 240 Main St Coventry, CT 06238

Project

Description			Total
Fencing Materials-FIELD 1 CLOSEST TO ROAD- 40' of 16' tall black PVC coated chainlink with 3"x21' SS40 upright posts, 1 5/8" SS40 cross rails, and a 4' over hang at a 45 degree angle.			8,392.94
Installation of backstop			3,500.00
Removal and disposal of existing fence			500.00
			Sales Tax (6.35%) \$0.00
Phone #	E-mail	Web Site	Total
860-871-2100	dan.ctfencetech@gmail.com	www.ctfencetech.com	\$12,392.94

SIGNATURE _____

To: Lesley Munshower

From: Coventry Youth Baseball Association (CYBA)

RE: Backstop Replacement on NL2 Field, Miller Richardson

Date: December 12, 2022



Lesley,

Attached you will see the quote that CYBA received to replace the NL2 Field's Backstop. This backstop is quite old, is past repair, and needs to be replaced. There are some safety concerns with the condition of this backstop; jagged edges, cross bars no longer attached are the main concerns.

The quote we received to replace the backstop is \$12,392.94.

CYBA would like to request splitting this cost with the Town of Coventry. We are asking the Town of Coventry to cover \$6,196.47 for this project.

We thank you for this consideration.

Karl Koenig

President

Coventry Youth Baseball Association

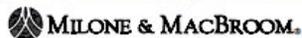


MASTER PLAN

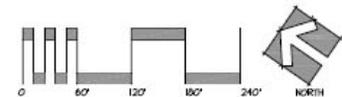
MILLER-RICHARDSON PARK

MAIN STREET (ROUTE 31)
COVENTRY, CONNECTICUT

AUGUST 19, 2010



MILONE & MACBROOM
Engineering,
Landscape Architecture
and Environmental Science
99 Saaby Drive
Chester, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com





The Following quote is provided by MCS for the work to be done for the Town of Coventry, CT at Laidlaw park Coventry, CT for The Below specified work with the following specs and details below:

Staircase:

- The removal and disposal of old wood stair case
- The box out and installation of process aggregate base
- The placement of 12 techo-bloc Rocka steps for new staircase
- The backfilling, grading, topsoiling and seeding of work site
- The placement of ¾" crushed stone in walk path at top and bottom of stairs
- Total estimated cost of above listed work: \$9800

Thank you for the opportunity to provide a quote Please feel free to contact us with questions via Email or phone

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	23-CR-02
Project Name	New Community Center

Type	Improvement	Department	Culture & Recreation
Useful Life	25 years	Contact	Town Manager
Category	Buildings	Priority	2 Very Important

Description	Total Project Cost: \$10,060,000
<p>The existing community center was a seasonal building converted to year round use. It needs to be torn down and replaced. It is suggested a new two story facility be constructed to replace all the existing buildings along the road. The building envisioned would have a large community hall, fitness center, rec program rooms and offices, and classroom space for pre and post school care.</p> <p>Other alternative can be considered such as other towns have purchased underutilized church buildings</p> <p>It is recommended a study committee be established to study needs and square footage.</p> <p>For budget purposes a 20,000square foot two story building at \$500 per SF .</p>	

Justification
<p>The existing community center was a seasonal building converted to year round use. It is not well suited to existing needs.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Planning/Design				60,000			60,000
Construction/Maintenance					10,000,000		10,000,000
Total				60,000	10,000,000		10,060,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund				60,000			60,000
Bonding					10,000,000		10,000,000
Total				60,000	10,000,000		10,060,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 24-CR-01
Project Name Lisicke Beach Improvements

Type Maintenance **Department** Culture & Recreation
Useful Life 30 years **Contact** Recreation Director
Category Park Improvements **Priority** 1 Critical

Description **Total Project Cost:** \$26,500

Lisicke beach is a popular beach/basketball facility
The main stairs from parking to the beach are in need of repair and the retaining wall adjacent to bathroom is leaning.

Justification

Both projects are a safety issue.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	10,000	16,500					26,500
Total	10,000	16,500					26,500

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP	10,000	16,500					26,500
Total	10,000	16,500					26,500

Budget Impact/Other



The Following quote is provided by MCS for the work to be done for the Town of Coventry, CT at Lisicke beach Coventry, CT for The Below specified work with the following specs and details below:

Retaining wall:

- The removal and disposal of old retaining wall and shrubs above wall
- The box out and installation of gravel base
- The Building of new retaining wall using nicolock Alta wall with geo grid placed in wall for structural support wall dimensions roughly 50' long 4' high
- The installation of drain pipe and drainage aggregate behind retaining wall pipe to be day lighted at ends of wall
- The backfilling and grading around wall
- The topsoiling and seeding of work site
- Total estimated cost of above listed work: \$16,250

Staircase:

- The removal and disposal of existing wood stairs
- The box out and installation of gravel base
- The installation of 7 Techo-Bloc Rocka steps
- The installation of new railing (I have an allotment on this item based upon what we agree upon for railing this price may change in either direction)
- The topsoiling and seeding of work site
- Total estimated cost of above listed work : \$9,200

Thank you for the opportunity to provide a quote Please feel free to contact us with questions via Email or phone



Hinding Tennis Courts, LLC • 24 Spring Street • West Haven, CT 06516 • p 203-285-3055

August 27, 2021

Bill Watkins
Town of Coventry-Coventry High School
78 Ripley Hill Road
Coventry, CT 06238
Office-860-742-6588
Cell-860-247-8152
wwatkins@coventryct.org

Re: Court Refurbishment Proposal

Dear Bill,

Thank you for considering Hinding Tennis for your recreational needs. It is our goal to provide you with the highest quality sport surfacing products and installation in the industry.

We at Hinding Tennis stand committed to excellence and it is our goal to provide you with the highest quality materials. As a current member of the American Sports Builders Association we are always up to date on the newest innovations and industry trends. Our goal is always to exceed your expectations and let the finished product speak for itself.

We know you have many options when choosing a sport-surfacing contractor, therefore we continually strive to provide the most competitive pricing without compromising the quality or workmanship.

All of us at Hinding Tennis thank you for the opportunity to provide you with this proposal and look forward to working with you in the future.

Sincerely,

Brent Boemmels

Brent Boemmels
203-525-9052

www.HindingTennis.com



HINDING PROPOSAL

PROCEDURE TO BE AS FOLLOWS:

Furnish all materials, labor and insurance to perform the HINDING TENNIS COURT REPAIRS to (1) 87 x 60' basketball court. Color to be medium green.

Specifications of Services to be Provided:

- 1. MOBILIZATION** - Mobilize the necessary equipment to perform the required work for your project as itemized be-low. This fee is associated with the work that is necessary to set up your job and organize the necessary equipment that is needed to load and mobilize to and from the job site each day.
- 2. FUEL SURCHARGE**- 1.5% fuel surcharge.
- 3. RITEWAY CRACK REPAIRS**- Install the Riteway Crack Repair System to 335 l.f. of cracks. The Riteway Crack Repair method is the only crack repair product on the market today that will keep cracks from returning year after year. Its microsealant technology allows existing cracks on your court to move without breaking the membrane of this system. Riteway Crack Repair will prevent cracks from being visible, however it will not stop new cracks from forming and spreading nor will it keep existing cracks from lengthening or widening.
- 4. ACRYLIC COLOR COATING** - Furnish and install the (2) coat acrylic color coating surface system to entire area. The Hinding surfacing system consists of two distinct components, 1 Filler Coat and 1 Finish Coat.
- 5. LINE STRIPING**- Layout and stripe all lines per NCAA. Apply one coat of acrylic Line primer. Once Line primer has cured apply One (1) coat of textured White Line Paint. This (2) two coat application provides sharp lines and greater durability and longevity. The line paint is textured.

Pricing as indicated below:

Mobilization	\$ 523.00
Fuel Surcharge	\$ 261.00
Riteway Crack Repairs	\$10,050.00
Color Coating	\$ 6,400.00
Line Striping	\$ 1,000.00

Total Cost: \$18,234.00

PLEASE NOTE: This work is for 2022, 10% Deposit to hold pricing for next year if you would like to proceed with the work. If No deposit is received by October 1st, 2021 pricing is subject to change.

www.HindingTennis.com



HINDING PROPOSAL

PROCEDURE TO BE AS FOLLOWS:

Furnish all materials, labor and insurance to perform the HINDING TENNIS COURT REPAIRS to (2) 60 x 60' pickleball courts. Color to be medium green.

Specifications of Services to be Provided:

- 1. MOBILIZATION** - Mobilize the necessary equipment to perform the required work for your project as itemized be-low. This fee is associated with the work that is necessary to set up your job and organize the necessary equipment that is needed to load and mobilize to and from the job site each day.
- 2. FUEL SURCHARGE**- 1.5% fuel surcharge.
- 3. RITWAY CRACK REPAIRS**- Install the Riteway Crack Repair System to 211 l.f. of cracks. The Riteway Crack Repair method is the only crack repair product on the market today that will keep cracks from returning year after year. Its microsealant technology allows existing cracks on your court to move without breaking the membrane of this system. Riteway Crack Repair will prevent cracks from being visible, however it will not stop new cracks from forming and spreading nor will it keep existing cracks from lengthening or widening.
- 4. MILLING**- Mill net post footings and fix around the drain.
- 5. ACRYLIC COLOR COATING** - Furnish and install the (2) coat acrylic color coating surface system to entire area. The Hinding surfacing system consists of two distinct components, 1 Filler Coat and 1 Finish Coat.
- 6. LINE STRIPING**- Layout and stripe all lines per USAPA. Apply one coat of acrylic Line primer. Once Line primer has cured apply One (1) coat of textured White Line Paint. This (2) two coat application provides sharp lines and greater durability and longevity. The line paint is textured.

Pricing as indicated below:

Mobilization	\$ 377.00
Fuel Surcharge	\$ 188.00
Riteway Crack Repairs	\$6,330.00
Milling	\$ 450.00
Color Coating	\$4,500.00
Line Striping	\$1,300.00

Total Cost: \$13,145.00

PLEASE NOTE: This work is for 2022, 10% Deposit to hold pricing for next year if you would like to proceed with the work. If No deposit is received by October 1st, 2021 pricing is subject to change.

www.HindingTennis.com



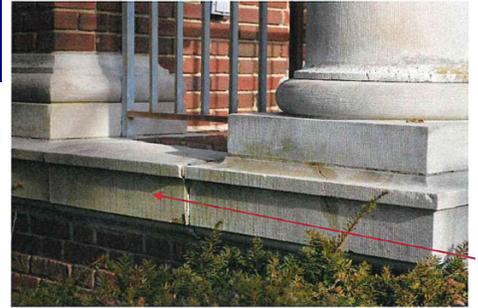
Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 24-CR-03
Project Name Portico Repairs

Type Maintenance **Department** Culture & Recreation
Useful Life 30 years **Contact** Library Director
Category Buildings **Priority** 2 Very Important



Description **Total Project Cost:** \$75,000

Repair the front portico floor including removing old bricks, installing new membrane, replace bricks and re-point. Replace steel and flashing.

Justification

Historic assessment identified these issues on the front historic entrance.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			75,000				75,000
Total			75,000				75,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund			75,000				75,000
Total			75,000				75,000

Budget Impact/Other

SUMMARY TREATMENT RECOMMENDATIONS, PRIORITIES AND PROBABLE COST

TREATMENT PLAN SUMMARY

Issues relating to deficiencies in first floor joists in the Reading Rooms are the highest priority items requiring immediate action. The northeast corner, having been previously exposed, uncovered a floor joist that failed under load, cracking, bending and allowing the first-floor level to drop by roughly one inch in the corner. Based on the discontinuous trim found in the northwest corner of the West Reading Room, the same condition is expected to be found after further investigation above ceiling finishes. The scope of this repair work includes removing ceiling finishes in the basement level of the northwest and northeast corners below the bookcases in the Reading Rooms to fully inspect the floor framing, stabilizing failed structural members, and replacing finishes. Structural drawings directed at stabilizing and reinforcing the floor framing in these areas have been developed as an attachment to this report. The intent of this work is not to jack up the floor system, as doing so would cause damage to plaster and wood finishes in the Reading Rooms, but rather to ensure that the floor system in these areas is strengthened to carry the intended loads of the bookcases. Until this work is completed, the built-in shelving in these corners should not be loaded with any materials so as to not incur additional damage to the framing system.

The second priority is to secure the building envelope from the water infiltration. This will be a significant effort aimed at replacing faulty roof flashing and gutters, repointing brick and stonework joints, painting windows, and most critical, rebuilding the portico floor including the installation of a water barrier. Once the building is watertight, interior finishes, mainly moisture damaged plaster wall and ceiling surfaces, may be repaired and restored with materials and finishes that match adjacent historic finishes. All work should be accomplished with professionals having competency in historic preservation.

The following table indicates various building systems, their current condition, recommended improvements, priority of need and probable construction costs for budgeting purposes. It should be noted, that given the 2022 economic climate, building costs are extremely high based on a variety of factors including inflation, supply chain shortages and delays, increased cost of materials and labor based on global energy costs, and COVID-19 pandemic related slowdowns. The costs listed do not include design services to prepare construction documents, facilitate the bidding process, and oversee construction. Costs will also be increased by 25% if prevailing wage labor rates are required by funding sources. Bundling projects will result in less contractor mobilization cost and more efficient use of resources.

<i>Excellent</i>	the brief moment that a system is brand new or completely restored; this condition descriptor is symbolic only.
<i>Very good</i>	the next moment, after the new or restored system is completed; regular inspections will suffice until maintenance is required.
<i>Good</i>	a system that is functioning properly and routine maintenance is needed; painting, replacing shingles and repointing masonry are maintenance tasks. Routine Maintenance (RM) or SCHEDULED REPLACEMENT
<i>Fair</i>	a system that is functioning adequately but work is needed, beyond routine maintenance, to improve system performance. 3-4 YEARS
<i>Poor</i>	a system that is not functioning adequately; significant work will be needed to restore the system to an acceptable condition. 1-2 YEARS
<i>Very Poor</i>	a system that is not functioning or absent; wholesale replacement of some or all of the components of the system are necessary. IMMEDIATE

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TABLE OF ASSESSMENT, RECOMMENDATIONS, AND REHABILITATION SCHEDULE

Item	Assessment	Treatment Recommendations	Rehabilitation Schedule
GENERAL REQUIREMENTS			
Materials testing		Test plaster, ceiling tile and mastic, and other suspect materials for hazardous substances	Immediate
Drone survey of roof		Survey sky facing joints and flashing conditions	1-2
SITE WORK			
Site Drainage	Good	Map and clean out subsurface drain lines	RM
Gravel Edging	Poor	Install gravel border at drip edges to reduce splash back of organic materials	1-2
Plantings	Good	Cut back shrubs away from building	RM
MASONRY			
Portico Floor Repair	Poor	Remove brick, core test, install membrane, replace brick, repoint	1-2
Portico Pediment Stone Connections	Poor	Investigate and replace corroded steel connectors and flashing	1-2
Stone Cleaning	Good	Remove biomass as applicable	RM
Mortar repointing	Poor	Repoint select areas where mortar has failed	1-2
Joint Sealants	Poor	Replace and install backer rod and sealant at stone joints where failed, and around windows and doors	1-2
WOOD			
Wood Framing	Very Poor	Repair selected floor conditions	Immediate
Wood Trim (Interior)	Fair	Repair where necessary	3-4
THERMAL & MOISTURE PROTECTION			
Roof Flashings	Poor	Repair chimney flashings	1-2
Parapet Caps	Poor	Replace lead joint caps	1-2
Slate Repair	Poor	Replace broken and missing slates	1-2
Gutters & Downspouts	Poor	Inspect, test, clean and repair gutters and downspouts	RM / 1-2
WINDOWS AND DOORS			
Windows	Fair	Reglaze and weatherstrip	3-4
Doors	Fair	Weatherstrip	3-4
FINISHES			
Exterior Painting including Clock Tower	Fair	Prepare and paint all wood trim	3-4
Plaster Walls	Fair	Remove/repair/replace plaster where water damaged, repaint	3-4

BOOTH & DIMOCK MEMORIAL LIBRARY

ORDER OF PRIORITIES AND PROBABLE COST

IMMEDIATE

• Hazardous materials testing	\$ 4,000
• Floor framing repair in Reading Rooms	<u>\$15,000</u>
Subtotal	\$19,000

YEARS 1 AND 2

• Portico concrete core	\$ 2,500
• Additional gravel foundation edging installation	\$ 500
• Portico floor repair	\$40,000
• Portico cornice stone connection repair	\$25,000
• Mortar repointing	\$25,000
• Joint sealant replacement at capstones & sills	\$ 5,000
• Repair chimney flashing	\$ 5,000
• Repair slate roof	\$15,000
• Test and clean roof drains	\$ 3,000
• Replace gutters	<u>\$10,000</u>
Subtotal	\$131,000

YEARS 3 AND 4

• Interior wood trim repair	\$ 3,000
• Windows reglazed and weather-stripped	\$23,000
• Doors weather-stripped	\$ 3,000
• Exterior painting of windows, doors, trim and clock tower	\$40,000
• Interior wall and ceiling plaster repairs	<u>\$16,000</u>
Subtotal	\$85,000

Total \$235,000

NOTE: Design fees, contingencies, prevailing wages, contractor mobilization, general conditions and bonds, and other considerations should be added to the itemized costs listed above. Efficiencies may be achieved by lumping together items that might require the erection of scaffolding, for instance adding clock tower painting to the roofing and repointing phase of work. Final cost for all work may approach \$400,000 taking into account the above referenced additional costs.



Connecticut Recreational Trails Program Grant Information and Application

(For any State funds that may become available in 2022-23)

Deadline for Submission is March 1, 2023

Eligible Applicants: Eligible sponsors include private organizations; municipalities; federal, state and regional agencies and other government entities such as tribal.

Eligible Uses: Grants to be used for planning/design, trail corridor acquisition, construction, construction administration, maintenance equipment, amenities and publications/outreach related to bikeways, multi-use trails (including motorized) and water trails (blueways).

Grant Making Process: The following outlines the general grant making process. Once program funds have been secured by DEEP, the process can take up to 6 months or more; please plan accordingly. The grant requires a 20% match which can be accrued up to 18 months prior to your contract document finalization. Match can be provided as cash or in-kind services.

1. You will receive an email or letter acknowledging receipt of your application.
2. Applications will be assessed for eligibility and given a score according to the program guidelines on page 2 of this application.
3. The program's Advisory Committee will advise DEEP on scores and ultimate rankings.
4. A short list of projects recommended for potential funding will be created. Applicants on this short list will be contacted and will be required to provide the following relevant items:
 - a. Copies of permits obtained and time-frames for necessary, but still outstanding permits (Part III, Item 1);
 - b. Copies of relevant excerpts of local and/or regional plan documents that reference your project (Part III, Item 3);
 - c. Evidence of public participation, such as public notices, news releases, public surveys, minutes and news articles (Part III, Item 6);
 - d. Any additional information requested by the Advisory Committee.
5. A final list of applications to be funded will be generated. You will be notified by DEEP via email that our contracting process has begun. You must not begin any project work that you intend to be reimbursed for prior to your receipt of an executed DEEP contract.

Submission and Deadline: Proposals must be received by **March 1, 2023**.

- a. Email to kimberly.bradley@ct.gov

OR

- b. Mail reports **on a CD** or other electronic storage device as appropriate to:

Kimberly Bradley, Trails & Greenways Program Coordinator
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127



Connecticut Recreational Trails Program Grant Application

(For any State funds that may become available in 2022-23)

Deadline for Submission is March 1, 2023

Part I: General Information

Project Title: Hop River State Park Trail Signage and Wayfinding				
Estimated Total Project Cost: \$ (include labor)				
Total Amount Requested: \$ (up to 80% of total project cost)				
Project Proposal Type (check all appropriate boxes):				
<input type="checkbox"/> Planning/Design	<input type="checkbox"/> Construction	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Acquisition	<input type="checkbox"/> Education
<input type="checkbox"/> Equipment	<input checked="" type="checkbox"/> Amenities	<input checked="" type="checkbox"/> Publications	<input checked="" type="checkbox"/> Outreach	

Part II: Applicant Information

1. Applicant Information:				
Name: Hop River Trail Alliance (Jim Adams)		Title: Treasurer		
Mailing Address: 48 Stonehedge Lane				
City/Town: Bolton		State: CT	Zip Code: 06043	
Business Phone: 860-682-2564		ext.	Fax:	
Email: jimadamsuu@gmail.com				
2. Chief Executive Officer:				
Name: John Hankins		Title: President, Hop River Trail Alliance		
Mailing Address: 129 Puddin Lane				
City/Town: Mansfield Ctr.,		State: CT	Zip Code: 06250	
Business Phone: 860-539-2928 (cell)		ext.	Fax:	
Email: johnbhankins@hotmail.com				

Part II: Applicant Information (continued)

3. Grant Administrator:

Name: Eric Trott Title: **Director of Planning & Development, Town of Coventry**
 Address: **1712 Main Street**
 City/Town: **Coventry** State: **CT** Zip Code: **06238**
 Business Phone: **860-742-4062** ext. Fax: **860-742-8911**
 Email: **etrott@coventryct.org**

4. Organization or Municipality's Tax ID (FEIN) Number: **06001977**

5. Legal name for your Organization (<https://www.concord-sots.ct.gov/CONCORD/>) or Municipality (<https://portal.ct.gov/>):

Hop River Trail Alliance, Inc.

6. Legislative District (STATE):**CT House Districts 8, 12, 49, 55**
CT Senate Districts 4, 19, 29, 35

7. Property owner information, if different than applicant:

Name: **Thomas J. Tyler, Director** Title: **State Parks & Outreach Div., DEEP**
 Mailing Address: **79 Elm Street**
 City/Town: **Hartford** State: **CT** Zip Code: **06106**
 Business Phone: **860-424-3099** ext. Fax:
 Email: **tom.tyler@ct.gov**

Note: If the applicant is not the property owner, permission for public recreational access must be documented. Include such documentation as **Attachment A**.

Additional Owners (See Attachment A for details and letters of permission)

- 1) Town of Windham
- 2) Town of Columbia
- 3) Town of Coventry
- 4) Town of Vernon
- 5) Town of Manchester

Note: We understand that the Connecticut Department of Transportation is the owner of the 4-mile Rockville Spur, which has been maintained by the Town of Vernon and the Vernon Greenway Volunteers as a multi-use path. Ownership of the Rockville Spur will be confirmed and written permission will be obtained prior to signage installation for this section of trail.

Part III: Project Information

1. **Project Description** Provide the following information (no more than 3 pages) as **Attachment B**:

- what is the need for this project and what user group(s) will it serve;
- what is the physical extent of the project (refer to your map, Item 2 below and in **Attachment C**);
- what type of ground disturbance (specify depth and any tree cutting if stumps will be removed) will occur;
- what type of equipment will be used;
- what type of amenities will be installed or repaired (for example: parking lots, benches, signs which must be located on your map in **Attachment C**);
- will bridges or boardwalks be installed or repaired;
- are permits necessary (**list them**) and are they obtainable?
- If you are proposing an Educational Project, Project Description should provide project overview, with focus on guiding questions of the “Educational Project Supplemental Application” (DEEP-TRAILS-APP-001A) as Attachment G.

Part III: Project Information (continued)

2. **Project Maps.** Your application will be rejected unless you provide maps that will allow a field inspection to occur **with ease**. Include a town level project location map **and** a more detailed site plan showing the proposed trail bed improvements, trail heads, locations and technical drawings of trail amenities (parking areas, benches, plantings, fencing, bathrooms, etc.) and signs and/or kiosks and bridges and/or boardwalks as **Attachment C**. Digital photos and maps (digital photos taken of hard copy maps are acceptable) are preferred.

3. **Grant Selection Criteria.** Per the guidelines found on page 2-7 of this application, check the Yes or No box as applicable and provide details as specified.

Yes No

- This project serves an CT DECD listed Distressed Municipality. **Windham**
- This project connects to publicly available trail(s) on state, municipal or land trust owned land: **Air Line North Trail (Windham to Putnam), Airline South Trail (Windham to East Hampton), Rose Trail to Bolton Heritage Farm, Bolton Notch State Park Trails, Charter Oak Greenway (Bolton to East Hartford), Shenipsit Trail (Vernon), Valley Falls Trails (Vernon), Hockanum River Trail (Vernon/Manchester), Connector to Cheney Trail (Manchester).**
- This project is part of a CT Greenways Council designated greenway. If Yes, provide the name of the Greenway: **Hop River State Park Trail**
- This project will connect schools, downtown, public spaces for a community within urban or rural areas (as defined by CTDOT), or tribal land, that have limited access to trails and outdoor recreation opportunities within a 10-minute (1/2 mile) walk in urban areas, and 10-mile drive in rural areas. **The Hop River State Park Trail and its connection to the Air Line State Park Trail in Windham provide the only significant trail opportunity within walking distance for the residents of the urban Willimantic section of Windham. Similarly, the trail provides opportunities within walking distance of the residents of the north end of Manchester, a feature that will improve further once the Cheney Rail Trail is connected through to the current terminus of the Hop River Trail at Colonial Road. The trail is also within a 10 minute drive for residents of a large proportion of the rural towns through which it passes (Columbia, Coventry, Andover, Bolton, Vernon).**
- This project is included in a local and/or regional plan or addresses a goal of the Statewide Comprehensive Outdoor Recreation Plan (SCORP). Copies of relevant excerpts will be required if your application is selected. Please do not send them in advance. **The CRCOG Hop River Transportation Study (2013) specifically identifies lack of signage on the Hop River Trail as an issue. The Hop River State Park Trail is mentioned in some way in the POCD for each town on the route as well as the SCORP.**
- This project provides new opportunities where none previously existed, where input from the underserved community was part of the planning process and indications are strong that they will benefit from the resource. **The Town of Windham is represented on the Board of Directors of the Hop River Trail Alliance and the Windham representative has reviewed this proposal. Clear signage on the trail makes the trail experience more accessible and enjoyable for the underserved community in Willimantic, many of whom already take advantage of the Willimantic River Trail, a portion of which is within the project scope.**
- This project is the Next Phase of a project previously **completed** (no outstanding grant balance) and funded by DEEP's Federal or State Recreational Trails Program.

- This project is receiving funding from other State or Federal agencies. If Yes, provide source of funding:
- This project develops or incorporates innovative technology or approaches that can be applied to other properties or resources. **We anticipate that the approach to signage we have developed for the Hop River Trail, which has been designed with input from the DEEP State Parks Division and local emergency responders, will become the model for similar State-owned rail trails such as the Air Line State Park Trail and the Larkin State Park Trail.**

Part III: Project Information (continued)

4. Site Suitability:

Yes No

 The project is located in a Federal Emergency Management Agency (FEMA) floodzone. You can find FEMA information at your town hall in the building department or on the Internet at FEMA's map center (<https://msc.fema.gov/portal/home>): If your proposal is recommended for funding, it will be forwarded to DEEP's Inland Water Resources Division staff for assessment of the need for Flood Management Certification (FMC). As a part of your contractual obligations, your project work within the flood plain will not be able to begin until FMC is obtained. Other restrictions may be attached. **The portion of the Hop River Trail from Route 66 to the Air Line Trail intersection in Windham is in the FEMA floodzone. There are also FEMA floodzone areas along the length of the Hop River, and portions of the adjacent trail in Coventry, Columbia, and Andover may be in the floodzone. Proposed construction in the floodzone is limited to the installation of signage posts along the established trail.**

 The project is within an aquifer protection area.
[To view the applicable list of towns and maps visit the DEEP website at www.ct.gov/deep/aquiferprotection.
To speak with someone about the Aquifer Protection Areas, call 860-424-3020]

Tankerhoosen Aquifer Protection Area, Vernon

 The project lies within an area identified by the CT DEEP Natural Diversity Data Base as possibly containing endangered species. If Yes, and your proposal is recommended for funding, it will be forwarded to NDDB staff for assessment. Any restrictions will become part of your contractual obligations.
[For more information visit the DEEP website at www.ct.gov/deep/endangeredspecies (Review/Data Requests) or call the NDDB at 860-424-3011]

 The project may impact significant historical or archaeological sites. If your proposal is recommended for funding, you may be required to complete [DEEPs Historic Preservation Review](#) (can be found within Appendix G of The DEEP General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities ("Construction General Permit")). Any costs you incur in obtaining the required SHPO finding will be applied toward your 20% match requirement. Non-profit organizations and municipalities are eligible for up to \$20,000.00 on a non-matching basis to undertake general area archaeological reconnaissance surveys. Contact SHPO for details at 860-256-2761. **The route of the trail is within the highly disturbed footprint of a former railroad corridor.**

 Is the project within the coastal area? www.ct.gov/deep/gis (GIS Data)

 Are there reserved rights/restrictions or environmental intrusions (power lines, dumps, factories, roads, etc.) on or in close proximity to the trail? If Yes, please give details: **The majority of the project is on land owned by the State of Connecticut, with small sections owned by the Towns of Windham and Vernon. There are also temporary on-road sections in Columbia, Coventry, and Manchester. Permission has been granted by these entities for the installation of signage. The trail also passes over, under, or across local roads, State highways and Interstate 384 but it is not anticipated that permissions will be required other than those of the landowners. A natural gas pipeline crosses the trail in Coventry but this is not in an area where signage is proposed.**

The property through which the trail will pass is suspected of containing hazardous and/or contaminated materials. What has been done to screen for these materials?

The entire trail is within the former rail corridor that runs from Willimantic to Manchester. There is the potential for residual coal and combustion byproducts from the operation of steam trains on the route, as there are on every other historic rail corridor. There are no other known environmental issues and the proposed installation of the signage involves minimal soil disturbance.

Part III: Project Information (continued)**5. Site Accessibility and User Group Information:**

- a) Will your trail serve any elderly housing projects, housing authority (public housing), underserved communities, affordable housing developments, or low or very low-income areas or neighborhoods?

Yes No

Please describe the methods or means by which these user groups will access the site.

The Hop River Trail is located within a ten-minute drive of numerous elderly housing projects and low-income housing areas. Local transportation to trail access points is available through public services such as Dial-a-Ride and by private vehicles.

- b) Will this trail be multi-use or single-use? To be considered multi-use the trail must allow two (2) or more of the following user groups: foot-travel (hike, ski, roller blade, etc.), bicycle, mountain bike, equestrian, motorized.

Multi-use Single-use

Pedestrians, bicycles, adult tricycles, equestrians, adaptive human-powered vehicles such as hand-cycles and wheel chairs.

- c) List the user group or groups that would be utilizing this trail? Provide some indication of use intensity expected (i.e. user/week).

Usage of the trail has been documented for several years by the Connecticut Trail Census using electronic counters in Bolton and Vernon, and there has been a steady rise in trail usage over the past several years. Data for 2021, the last full year for which records are available, was as follows:

- **Electronic Counter at Bolton Notch: 86,255 transits in 2021**
- **Electronic Counter in Vernon: 147,770 transits in 2021**

Users include families with young children, fitness users (cyclists, runners), high school and college cross-country running teams, the elderly, conservation enthusiasts, handicapped users, bike commuters, equestrians, and through riders on the East Coast Greenway.

- d) To what degree will this project provide assistance to people who have disabilities? Your project must use the best information available to ensure broad usability. List any ADA trailside amenities or trailhead facilities that are available (such as platforms, parking areas, shelters, compost toilets, etc.) to improve accessibility for people with disabilities. Please note: Often times, taking accessibility measures is not feasible on trails due to trail terrain, environmental conditions, nature of the setting, prevailing construction methods or required materials that would be prohibited by federal, state, or local laws or where compliance would cause substantial harm to or alter cultural, historic, religious, or significant natural features of the setting. See the Forest Service website (www.fs.fed.us/recreation) for the best available guidance for trail projects.

The mileage markers and wayfinding being installed as part of this grant will assist all visitors, including the disabled, to better plan the extent of their travels on the trail, including when to reverse direction to their starting point. There are no modifications to the trail surface or access proposed as part of this grant application, but DEEP and the Towns have been making steady progress to make this trail more handicapped accessible. Most recently DEEP has been removing gates and installing handicapped-friendly bollards in the Bolton and Andover areas to remove impediments for disabled riders.

6. **Public Participation:** Public participation can be defined as: special public meetings, proposal reviewed by special interest groups or advisory councils and boards, public fund raising, construction or maintenance, etc.

- a) Please describe how public participation at the local level was included in planning this project. If your project is recommended for funding, you will be required to provide evidence of this public participation, such as public notices, news releases, public surveys, minutes and news articles. Please do not provide this evidence in advance.

Comments from multiple organizations involved in the trail were solicited via social media and other methods. These included friends groups of the Air Line and Hop River State Park Trails. In addition, flyers were posted along the route at kiosks and at bike stores in the towns on or near the route requesting that comments be sent back to the Hop River Trail Alliance e-mail address. Those comments have been tabulated and considered during the grant-writing process and are available for review.

We also reached out to Fire Chiefs and/or emergency responders in each of the seven towns involved for their input on signage, particularly the frequency and specificity of the signs, to allow for accurate location identification for emergency responders.

Finally, each of the seven towns had an opportunity to comment on the plan through their representation on the Hop River Trail Alliance Board of Directors.

7. Letters of Support:

The following entities have indicated their support for this project in correspondence that is attached to this grant application:

Chief Executive Officers of towns along the route:

Fire Chiefs and Emergency Responders of towns along the route:

Political Representatives:

Capitol Region Council of Governments:

East Coast Greenway Alliance:

Air Line State Park Master Plan Work Group:

Running Coaches:



Part III: Project Information (continued)

8. **Scope of work:** You will be granted 2 years to complete your project. Provide your “Project Tasks, Subtask identification and deliverables, and Timeline,” as **Attachment D** in a table format as shown below.

<i>Project Tasks and Anticipated Completion Timeline</i>			
Tasks	Project Task Types	Project Subtasks	Timeline
Task A	Planning	Subtasks may include (not limited to): <ul style="list-style-type: none"> • Environmental studies • Survey • Alternative Route Analysis • Public Participation 	September 2023
Task B	Design	Subtasks may include (not limited to): <ul style="list-style-type: none"> • Engineering • Conceptual Design • Final Design • State & Local Permitting 	Oct – Dec 2023
Task C	Land Acquisition	Subtasks may include (not limited to): <ul style="list-style-type: none"> • Land purchase costs • Legal support 	January 2024
Task D	Construction	Subtasks may include (not limited to): <ul style="list-style-type: none"> • Construction Administration • Mobilization/ Site Prep • Materials and Activities (Including Trail Attributes such as signs/kiosks, benches, bathrooms, parking lots, bollards, etc.) • Labor • Trail Attributes • Equipment 	June-August 2024
Task E	Maintenance	Maintenance activities can be construction on <u>existing</u> trails and may include trail attributes as sub-items. Subtasks may include (not limited to): <ul style="list-style-type: none"> • Resurfacing • Trail / Bridge repairs • Trail Attributes such as signs/kiosks, benches, bathrooms, parking lots, bollards, etc.) • Drainage upgrades • Equipment 	November 2024
Task F	Trail Publications*	Subtasks may include (not limited to): <ul style="list-style-type: none"> • Websites • Hard copy books, handouts, reports • Data visualizations • Educational Signage 	January 2025

*Per CGS 23-103(c) Trail Publications referencing specific bikeways, pedestrian walkways, greenways, or multi-use trails.

9. **Project Cost Estimates:** Provide an itemized project cost breakdown as **Attachment E**. Describe the means by which said cost was derived. List any engineers, appraisers, contractors or manufacturers that were consulted. Use the following table format shown below

Name of Applicant:	
Project Cost Estimates	
Item (should correspond to your scope of work and may have more detail)	Cost
Task A – Planning Subtask 1 – Public Outreach	
Task B - Design Subtask 1 - Survey	
Task B - Design Subtask 2 - Final Design	
Task C - Construction Subtask 1 - Construction Administration	
Task C - Construction Subtask - Materials and Activities	
Task C - Construction Subtask 3 – Equipment rental	
TOTAL Project Costs	
Match ($\geq 20\%$ of total project costs.)	
Grant Amount ($\leq 80\%$ of total project costs)	

10. **Maintenance Plan:** Grantees are required to maintain projects that utilize CT Recreational Trails Grant funds and to provide assurance of such operation and maintenance for a period of at least the life expectancy of the trail, twenty years, or until total destruction or degradation by an act of nature, whichever comes first. All projects **must** provide a description of how the trail will be maintained including who will be responsible, who will perform the maintenance and how will it be performed, anticipated maintenance schedule, anticipated maintenance budget and funding mechanism(s). Provide a maintenance plan as **Attachment F**.

11. If you are proposing a **Land Acquisition Project** and your project is recommended for funding by the Recreational Trails Advisory Committee, you will be required to provide an appraisal of the land to be acquired, and a review of the appraisal by an independent review appraiser. You will also be required, when the grant agreement is executed, to provide assurances that the property will be dedicated to public passive recreation for a period of at least the life expectancy of the trail, twenty years, or until total destruction or degradation by an act of nature, whichever comes first. **Not Applicable – No land acquisition proposed.**

12. If you are proposing an **Educational Project**, complete and submit the “Educational Project Supplemental Application” (DEEP-TRAILS-APP-001A) as **Attachment G**. **Not Applicable – Not an Educational Project**

Part IV: Supporting Documents

Please check the attachments submitted as verification that *all* applicable attachments have been submitted with this application form. When submitting any supporting documents, please label the documents as indicated in this part (e.g. Attachment A, etc.) and be sure to include the applicant's name.

- | | | |
|-------------------------------------|---------------|---|
| <input checked="" type="checkbox"/> | Attachment A: | If the applicant is not the property owner, provide documentation of your permission for public recreational access. |
| <input checked="" type="checkbox"/> | Attachment B: | Project Description as described in Part III, item 1 of this application. |
| <input checked="" type="checkbox"/> | Attachment C: | Project location map(s) - Provide map(s) and detailed site plan as described in Part III, item 1 of this application. |
| <input checked="" type="checkbox"/> | Attachment D: | Scope of Work - provide project tasks as a described in Part III, item 7 of this application on |
| <input checked="" type="checkbox"/> | Attachment E: | Project Cost Estimates - provide budget information as described in Part III, item 8 of this application. |
| <input checked="" type="checkbox"/> | Attachment F: | Provide Maintenance Plan as described in Part III, item 11 of this application. |
| <input type="checkbox"/> | Attachment G: | "Educational Project Application Supplement" (use form provided). |

Part V: Applicant Certification

The applicant *and* the individual(s) responsible for actually preparing the applicant must sign this part. **An application will be considered incomplete unless all required signatures are provided.** [If the applicant is the preparer, please mark N/A in the spaces provided for the preparer.]

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.</p> <p>I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.</p> <p>I certify that this application is on complete and accurate forms as prescribed by the commissioner without alteration of the text."</p>	
<p>_____ Signature of Applicant</p> <p>John Hankins _____ Name of Applicant (print or type)</p>	<p>_____ Date</p> <p>President, Hop River Trail Alliance _____ Title (if applicable)</p>
<p>_____ Signature of Preparer (if different than above)</p> <p>John Hankins _____ Name of Preparer (print or type)</p>	<p>_____ Date</p> <p>President, Hop River Trail Alliance _____ Title (if applicable)</p>

Submission and Deadline: Proposals must be received by **March 1, 2023.**

Email is preferred, kimberly.bradley@ct.gov

OR

Mail reports **on a CD** or other electronic storage device as appropriate to:

Kimberly Bradley, Trails & Greenways Program Coordinator
 Department of Energy and Environmental Protection
 79 Elm Street
 Hartford, CT 06106-5127

Attachment G: Educational Project Application Supplement

Print or type responses to items 1 through 5, unless otherwise noted. This supplemental application must be completed and submitted with a completed **Recreational Trails Program Application** (DEEP-CRTP-APP-002) for those proposing an educational project.

Supplemental Project Information

Applicant Name: **N/A – Application does not include an Educational Component**

1. **Need for Proposed Education:** Why are you proposing this educational project and how did you determine the need for this educational program.

2. **Target Audience:** Describe your target audience. Will you reach a local, regional, statewide or national audience?

Check here if additional sheets are necessary, and label and attach them to this sheet.

Attachment B

Project Description

Hop River State Park Trail Signage and Wayfinding Project

PROJECT SCOPE AND STATEMENT OF NEED

The scope of the project is the design and installation of signage along the entire 20.5-mile length of the State-owned Hop River State Park Trail, as well as the intersecting 4.2 mile “Rockville Spur” trail, which is also owned by the State. Current signage on these heavily used routes is minimal and inconsistent, which results in confusion among users as to where they are and where they are going. This confusion is a safety concern, as emergency responders have been hampered in past years when injured trail users have not been able to identify their location. The objective of this project is to address this confusion and to improve the safety and trail experience for all. The project is particularly important as the trails increasingly become a regional destination for those traveling the East Coast Greenway.

COMMUNITY CONNECTIONS

The Hop River State Park Trail and connecting Air Line State Park Trail serve a number of diverse user groups and connect urban areas at either end of the trail (Windham and Manchester) with primarily rural communities (Columbia, Coventry, Andover, Bolton) and the mixed urban/rural town of Vernon/Rockville. The trail gets heavy use throughout, particularly in the areas closest to the urban centers. Electronic trail counters on the trail in Bolton and Vernon recorded 86,000 and 148,000 transits respectively during the most recent reporting period in 2021. The proposed signage will improve accessibility to the trail and the destinations along the way for all users – we consider clear signage to be central to our mission of making this trail inclusive and welcoming to those that may not be currently using this resource. The wording on the signage consists primarily of location names, distances, and directional arrows so that it will be easily understood by all, including non-english speakers. The Hop River State Park trail is accessible via the Air Line Trail to the majority of the residents of the city of Willimantic, many within a 10-minute walk. In addition, with a project length of 25 miles, the trail is located within a 10-minute drive (3 miles) of tens of thousands of local residents over a 150 square mile area along the Route 6 corridor and north and west into Rockville/Vernon and Manchester.

SIGNAGE TYPES

In coordination with DEEP staff, we have developed five types of signage that will be included in the grant application. The design team has met with senior management from the DEEP’s State Park division and has received a favorable response to the proposed design features. Some design elements, including the exact spacing of the mileage markers, are still being considered by DEEP and will be finalized prior to construction.

Mileage Markers – Mileage marker signs will be installed on wooden posts and are currently being proposed at quarter-mile intervals along the 20-mile length of the Hop River Trail (0.0, 0.25, 0.5,

etc.) and along the 4-mile length of the Rockville Spur. Mile 0.0 of the Hop River Trail will be located at the three-way junction of the Hop River Trail with the Air Line North and Air Line South Trails in Willimantic near the site of the Connecticut Eastern Railroad Museum. Each wooden post will include reflective mile markers as well as a Hop River Trail medallion.

Town Line Signs – Town line signs will be installed at all 10 town lines encountered along the length of the trail (note that three towns have multiple sections of trail).

Directional Signs – Where the Hop River State Park Trail intersects the Air Line State Park Trail in Willimantic, the Charter Oak Trail at Bolton Notch, and the Rockville Spur in Vernon, there will be a series of directional signs and trail names for users coming into the intersection from various directions. East Coast Greenway directional signage will be added at road crossings and intersecting trails. The project budget also includes temporary directional signage in Columbia/Coventry for the current Flanders River/Kings Road detour.

Trail/Street Crossings– Signage will be added at each road crossing to identify the name of the road being crossed and the mileage at that crossing. In addition, there will be signs indicating “Hop River State Park Trail” directed at motorists crossing the trail.

Wayfinding Signs – Wayfinding signs will be installed at eight popular access locations on the trail as shown on the map included as Attachment C. At each of these locations, a single sign will be installed that identifies the route as the Hop River State Park Trail (or in one case, the Rockville Spur). The signs will identify approximately six destinations along the trail with directional arrows and distances to those destinations.

CONSTRUCTION INFORMATION

What type of ground disturbance will occur?: The only anticipated ground disturbance will be the excavation of small-diameter holes for the signage posts. Hole locations will typically be a minimum of three feet from the travel surface and will be excavated to just below the frost line (3 to 3.5 feet). Soil generated during the process will either be placed back in the hole around the wooden post or spread out along the edge of the trail.

What type of equipment will be used?: We anticipate that post holes will be dug with a machine-mounted power auger. Signage and supplies will be transported to the signage sites using a small truck.

What type of amenities will be installed or repaired?: This project is primarily limited to the installation of new signage. Existing signage, some of which has reached its useful lifespan, will be removed, with the exception of new signage recently installed by the Town of Andover in their town center.

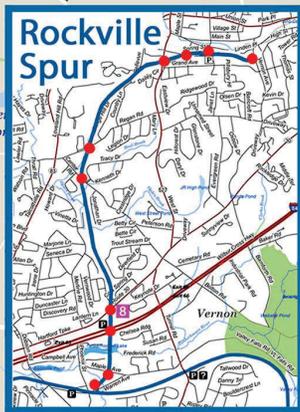
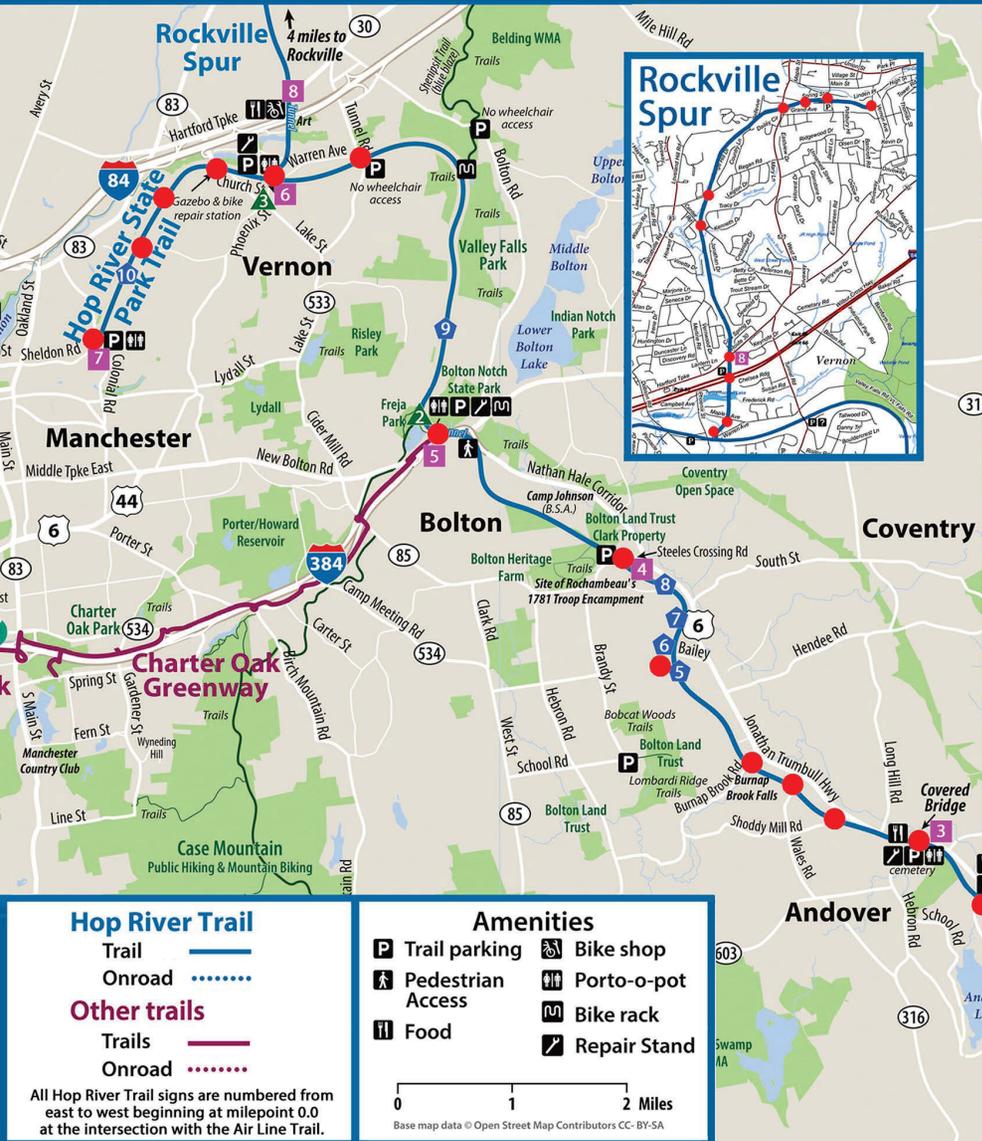
Will bridges or boardwalks be installed or repaired?: No.

Are permits necessary and are they attainable?: We do not anticipate the need to obtain any permits for this project, as the excavation activity at any specific location is limited to the drilling and backfilling of a single small-diameter hole.

VOLUNTEER SUPPORT

The in-kind match for this grant will be established primarily with in-kind labor hours from volunteers organized by the Hop River Trail Alliance supported by in-kind hours supplied by the seven towns along the route. Our ability to rally volunteer support is well established through past efforts organized by the Vernon Greenways Volunteers and Bike Walk Bolton, many of which are coordinated directly with DEEP. Additional support has been pledged by the Towns, all of which have a member of their staff on the Board of Directors of the organization. A substantial number of hours that will be available for the in-kind match have already been accrued during the planning stages for this project including signage design, layout, mapping, public participation, and coordination with DEEP. The balance of in-kind hours will be accrued by completing certain components of the construction process with volunteers. Town forces will be focused primarily on the process of attaching signage to posts within their own town boundaries.

Hop River State Park Trail



Mileage Markers

Mileage markers will be placed at 1/4-mile intervals from east to west along the length of the Hop River Trail, beginning at milepoint 0.0 at the intersection with the Air Line Trail.



Town Line Signs

- 1 Windham/Columbia
- 2 Columbia/Coventry
- 3 Coventry/Columbia
- 4 Columbia/Andover
- 5 Andover/Bolton
- 6 Bolton/Andover
- 7 Andover/Coventry
- 8 Coventry/Bolton
- 9 Bolton/Vernon
- 10 Vernon/Manchester



Directional Signs

- 1 Air Line Trail intersection at Willimantic
- 2 Charter Oak Greenway intersection at Bolton Notch
- 3 Rockville Spur intersection at Vernon



Trail/Street Crossing Signs

Individual crossing signs are not numbered, since all streets at which signs will be placed are named on the map.



Wayfinding Signs

- 1 Route 66 (Mackey's), Willimantic
- 2 Hop River Rd., Coventry
- 3 Center St. (covered bridge), Andover
- 4 Steeles Crossing Rd., Bolton
- 5 Bolton Notch/Charter Oak Trail, Bolton
- 6 Church St., Vernon
- 7 Colonial Rd., Manchester
- 8 Route 30, Vernon



Attachment D
Scope of Work and Associated Timeline
Hop River State Park Trail Signage and Wayfinding Project

<i>Project Tasks and Anticipated Completion Timeline</i>			
Tasks	Project Task Types	Project Subtasks	Timeline
Task A	Planning	<ul style="list-style-type: none"> • Public outreach • Coordination with towns, DEEP, and DOT 	Jan – Feb 2023
Task B	Design	<ul style="list-style-type: none"> • Signage design • Signage layout • DEEP coordination • Final design 	Jan - Feb 2023
Task C	Construction	<ul style="list-style-type: none"> • Mileage measurement • Stake-Out and CBYD Notice • Pre-construction coordination • Sign printing • Installation hardware • Wooden posts for signs 	Apr - Jul 2024
Task D	Maintenance	<ul style="list-style-type: none"> • Quarterly inspections (1 year) • Sign repair/replacement 	Jul 2024 - Jun 2025
Task E	Trail Publications	<ul style="list-style-type: none"> • Modify existing mapping • Map printing 	Jul - Aug 2024

Attachment E: Project Budget

Wayfinding Signage for the Hop River State Park Trail

Connecticut Recreational Trails Program

17-Feb-23

Task	Unit Count	Units	Unit Cost	Project Cost	Anticipated In-Kind Services	Grant Request
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Task A - Planning

Public Outreach	16	hours	\$35	\$560	\$560	\$0
Coordination with Towns, DEEP, DOT	24	hours	\$35	\$840	\$840	\$0
Subtotal:				\$1,400	\$1,400	\$0

Task B - Design

Signage Design & Layout	60	hours	\$35	\$2,100	\$2,100	\$0
DEEP Coordination	8	hours	\$35	\$280	\$280	\$0
Final Design	12	hours	\$35	\$420	\$420	\$0
Subtotal:				\$2,800	\$2,800	\$0

Task C - Construction

Certified Mileage Measurement	1	lump sum	\$4,000	\$4,000	\$0	\$4,000
Stake-Out and CBYD Notice	40	hours	\$35	\$1,400	\$1,400	\$0
Pre-Construction Coordination	20	hours	\$35	\$700	\$700	\$0
Sign Printing by Vendor	1	lump sum	\$7,633	\$7,633	\$0	\$7,633
Installation Tools and Hardware	1	lump sum	\$2,500	\$2,500	\$0	\$2,500
Remove Existing Signage Posts	24	hours	\$35	\$840	\$840	\$0
Supply and Install Wood Posts (contractor)	1	lump sum	\$29,160	\$29,160	\$0	\$29,160
Mount Signage to Posts (volunteers / towns)	80	hours	\$35	\$2,800	\$2,800	\$0
Construction Inspection	32	hours	\$35	\$1,120	\$1,120	\$0
Subtotal:				\$50,153	\$6,860	\$43,293

Task D - Maintenance

Quarterly Inspections (1 year)	40	hours	\$35	\$1,400	\$1,400	\$0
Sign Repair/Replacement	1	allowance	\$1,500	\$1,500	\$0	\$1,500
Subtotal:				\$2,900	\$1,400	\$1,500

GRAND TOTAL:

\$57,253 \$12,460 \$44,793

Percent In-Kind Match:

22%

Notes:

- 1) Certified Mileage Measurement: Estimate provided by Charlie Olbrias, USATF-Certified
If Charlie Olbrias is available for the project these services may be provided on an in-kind basis.
- 2) Signage Printing: by East Coast Signs at 1/4 mile interval; \$7,333 plus \$300 allowance for three promotional signs
- 3) Wooden Post Supplier/Installer: Landworks Fence, LLC at 1/4 mile
\$24,300 to supply and install posts; 20% allowance added to cover non-standard installations (shallow rock)
- 4) Sign Mounting to Posts - Provided on an in-kind basis by volunteers and/or town public works crews

Attachment F

Maintenance Plan

Hop River State Park Trail Signage and Wayfinding Project

The signs that will be installed as part of this program should last at least 20 years and will require a minimal amount of maintenance during their lifetime. There are, however, instances where signs may require maintenance or replacement. These include, but may not be limited to:

- Vehicles, including mowing equipment, running into sign posts
- Vandalism, including graffiti
- Falling trees
- Frost action or settling (which may make posts crooked)

Inspection

There is already a fairly good communications network for the trail to notify towns and the DEEP when the trail has been blocked by trees. This program could be enhanced by adding flyers at the various kiosks along the trail encouraging users to report signs (or other conditions) that need attention. The Hop River Trail Alliance will conduct formal inspections of the entire length of the trail quarterly and less formal inspections on a nearly continuous basis.

Maintenance/Repairs

Simple repairs will be completed by volunteers or town staff while more extensive repairs, such as complete replacement of a post and signage may be need to be done by DEEP or town staff.

There are some areas of the trail, particularly those near trailheads in congested areas, where graffiti has been an issue. When graffiti is identified, volunteers from the Hop River Trail Alliance will attempt to remove the graffiti. If it cannot be removed we may need to purchase and replace signs. We anticipate creating a maintenance budget to allow us to do this on an on-going basis. Some non-unique signage, such as the Hop River medallions can be purchased in bulk and kept in inventory.

Long-Term Maintenance Plan

We understand that the funding awarded under this grant must be spent within a two-year timeframe of contract finalization, which is why our budget includes only one year of maintenance activities. DEEP staff has indicated to us that it may be possible for the Hop River Trail Alliance to seek funding for certain maintenance tasks such as maintaining signage under a separate agreement for a longer timeframe. If awarded this grant we will pursue such an opportunity with DEEP for a longer-term maintenance arrangement.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-CR-06
Project Name	Recreational Trails - Hunt Property

Type	Improvement	Department	Culture & Recreation
Useful Life	15-20 years	Contact	
Category	Park Improvements	Priority	3 Important

Description	Total Project Cost: \$160,000
Design and construct a low impact trail system over a segment of town owned property located on South Street in the area of Silver Street and Woodbridge Road. Includes increased trails, parking, signage, bridges and boardwalks, gravel walkway and ancillary clean up.	

Justification
Increase trail access and restore pedestrian access. Increases access to Skungamaug River.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	160,000						160,000
Total	160,000						160,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan	128,000						128,000
Donations\Non-Gov't Grant	32,000						32,000
Total	160,000						160,000

Budget Impact/Other
Grant funded through DEEP Recreational Trails grant. 20% match will be provided through in-kind services provided by the Town.

2023 CT DEEP Recreational Trail Grant Application

TOWN COUNCIL MEETING – TUESDAY, FEBRUARY, 21, 2023

Town of Coventry
Land Use Office



Recreational Trails Grant Overview

DEEP's CT Recreational Trails Grants Program

Established in 2015, to provide funding to any private nonprofit organizations, municipalities, state departments and tribal governments in support of trail projects including:

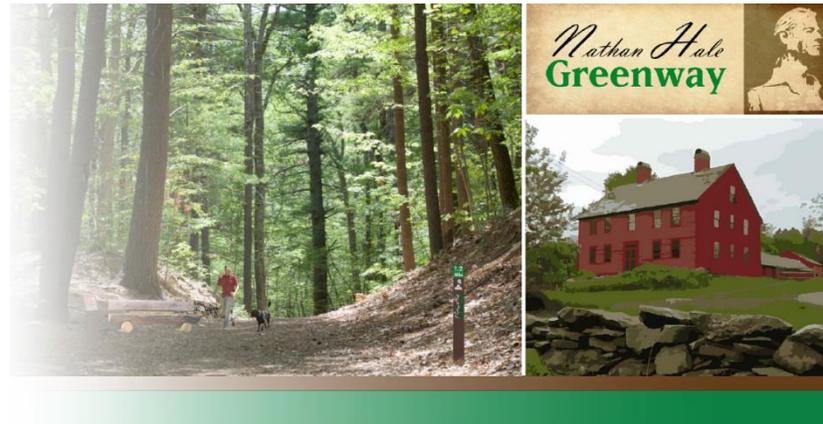
- Planning, design and construction of new trails (motorized and non-motorized).
- Maintenance and restoration of existing trails (motorized and non-motorized).
- Access to trails by persons with disabilities.
- Purchase and lease of trail construction and maintenance equipment.
- Acquisition of land or easements for a trail, or for trail corridors.
- Operation of educational programs to promote safety and environmental protection as related to recreational trails.

Grant amounts vary, there is \$9 million allocated to the 2023 application cycle. Grants can pay up to 80% of total project costs, a 20% match is required. CT Recreational Trail Grant Applications are due by March 1, 2023.

The Town has received 2 DEEP Rec Trails Grants to date. This South Street to Skungamaug Application would be the third (3rd) since 2016. The list of Projects are as follows:

Previous Coventry Rec Trails Grants

Application Year	Project Location/Name	Construction Values
2016 - 2017	Nathan Hale Greenway Feasibility Study	\$110,632
2021 – 2022	Nathan Hale Greenway Development	\$350,000 (construction in progress)



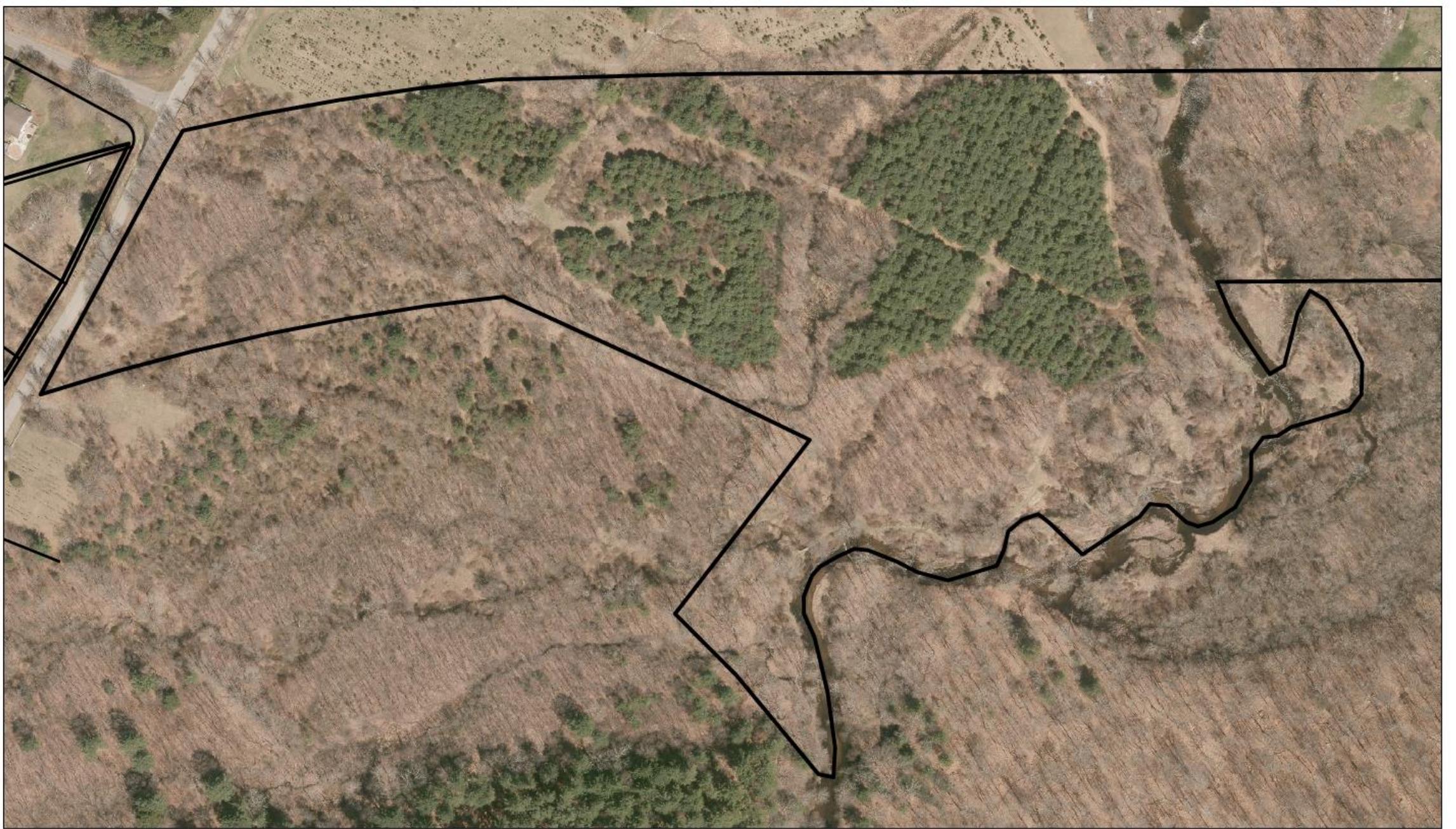
Nathan Hale Greenway
Feasibility Report

March, 2019



Project Location Map



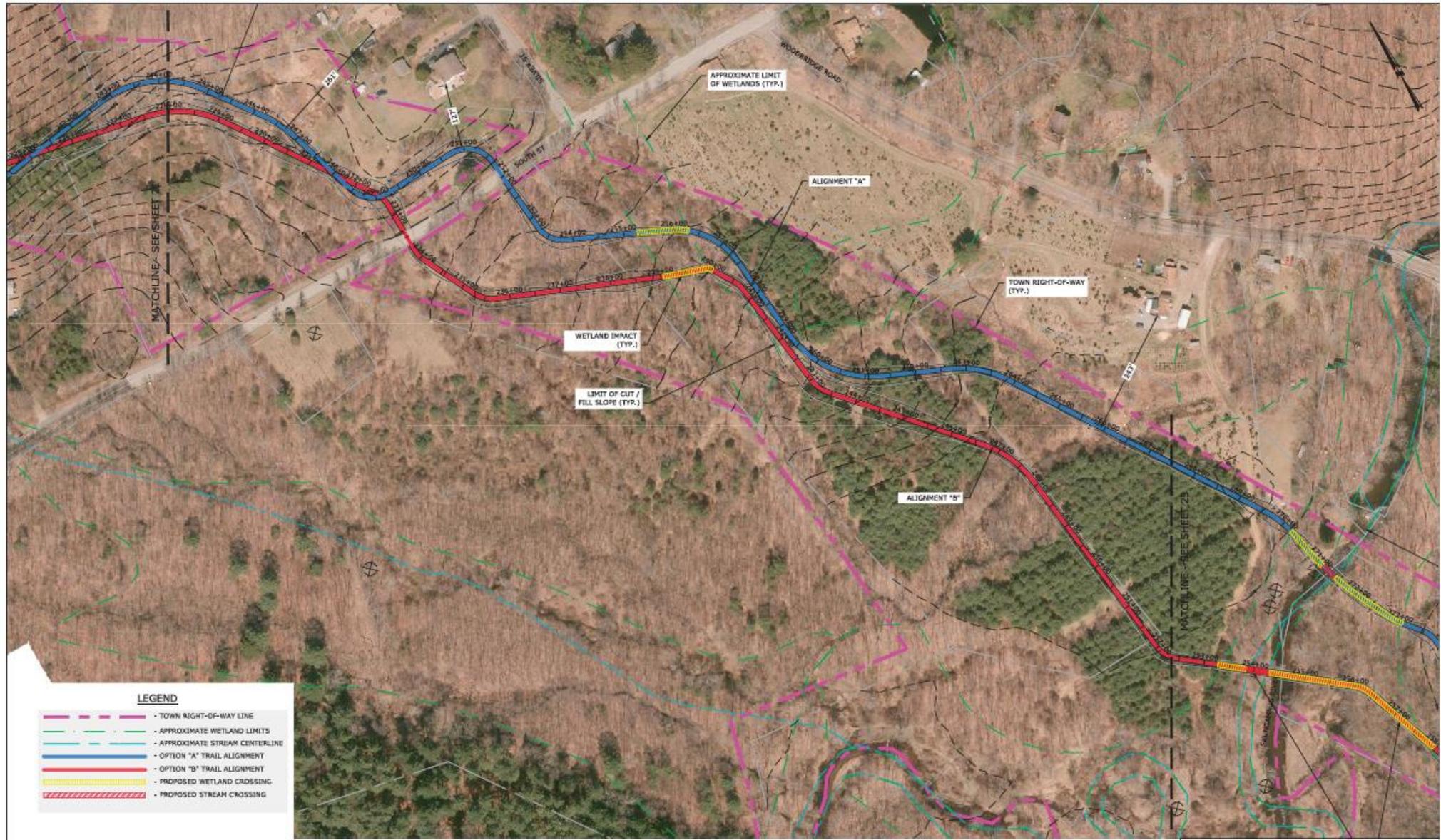


Town of Coventry Parcel – William Hunt Preserve

Parcel History

- In 1986 the CTDOT purchased numerous parcels of land in the towns of Bolton, Coventry, and Andover with the intention of relocating and upgrading Route 6. Ultimately, CTDOT abandoned efforts to move the project forward.
- In 2014, CTDOT transferred ownership of select portions of the ROW to the host towns.
- In December of 2016, the Towns of Bolton and Coventry, in concert with CRCOG, applied for a CT DEEP Recreational Trail Grant to fund a study to determine the feasibility of constructing a shared-use path or greenway through the available open space corridor.
 - Greenways provide a multitude of benefits to a community:
 - Active recreation, access to scenic views, exercise, and in some cases, commuting.
 - The addition of a greenway to the local community can boost the culture, economy, and tourism attraction of a town or region.
 - Greenways generally follow and/or connect with visually appealing natural features such as rivers, ponds, hillsides, and valleys. Beyond pure recreational use, they provide linkages between community centers, schools, and residential areas. People who spend time in these areas also utilize greenways to access public open space.

8.2 Alignments "A" and "B"

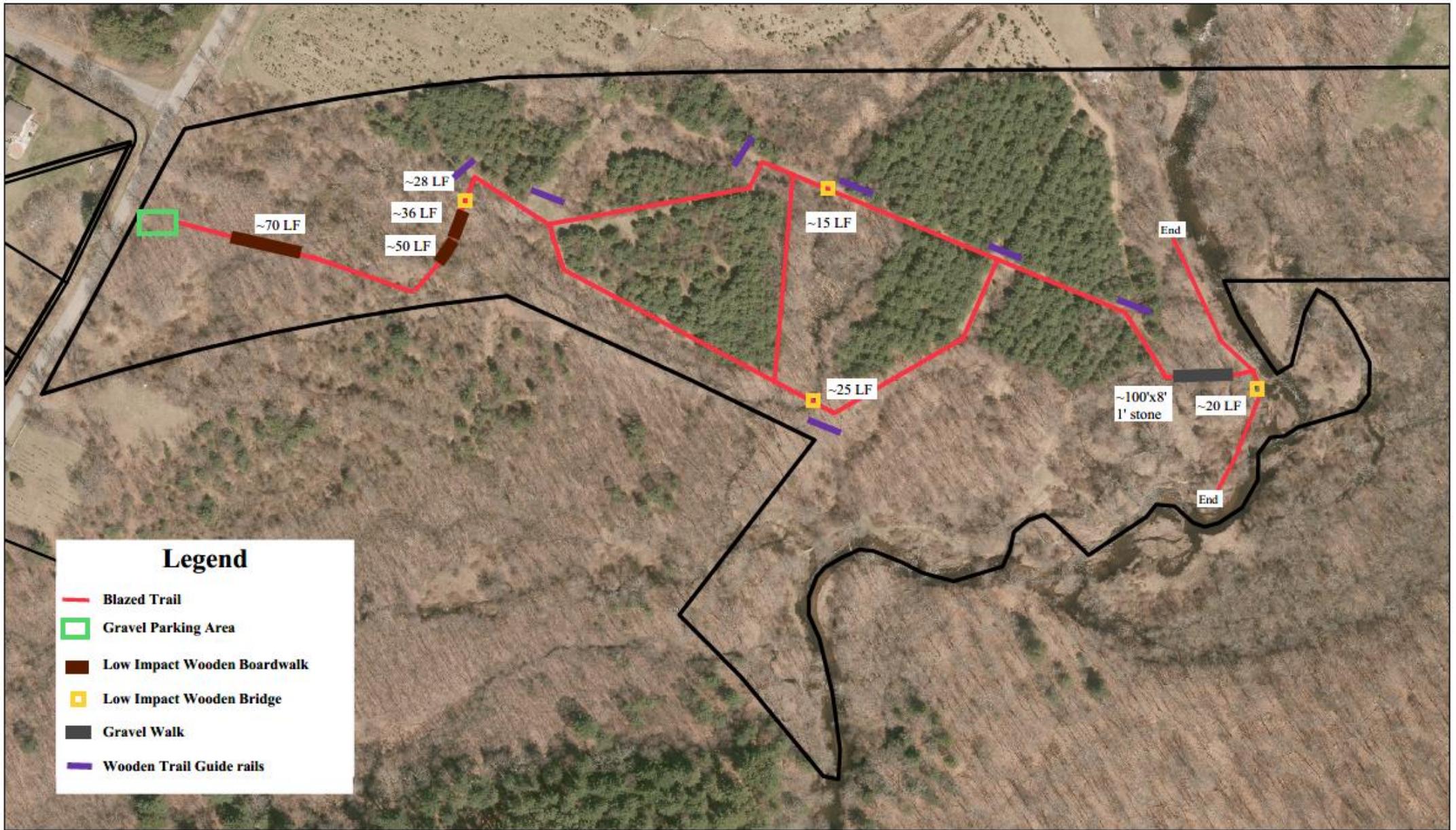


LEGEND

- TOWN RIGHT-OF-WAY LINE
- APPROXIMATE WETLAND LIMITS
- APPROXIMATE STREAM CENTERLINE
- OPTION "A" TRAIL ALIGNMENT
- OPTION "B" TRAIL ALIGNMENT
- PROPOSED WETLAND CROSSING
- PROPOSED STREAM CROSSING

PRELIMINARY DESIGN														
	PREPARED FOR: TOWN OF BOLTON / COVENTRY 222 BOLTON CENTER RD., / 1712 MAIN ST. BOLTON / COVENTRY, CT	SCALE: 1" = 80' 	300 Winding Brook Drive Glastonbury, Connecticut 06033 860.652.8277 ENGINEER: MRS APPROVED BY: ROBERT L. PINCKNEY, PE No. 24354 DATE: 05-17-18	PROJECT TITLE: NATHAN HALE GREENWAY	TOWN: BOLTON & COVENTRY	PROJECT NO.: 83684.00 DRAWING NO.: PLN-10 SHEET NO.: 23								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> <th>SHEET NO.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION	SHEET NO.										
NO.	DATE	REVISION DESCRIPTION	SHEET NO.											

Using this information...



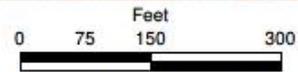
Legend

- Blazed Trail
- Gravel Parking Area
- Low Impact Wooden Boardwalk
- Low Impact Wooden Bridge
- Gravel Walk
- Wooden Trail Guide rails



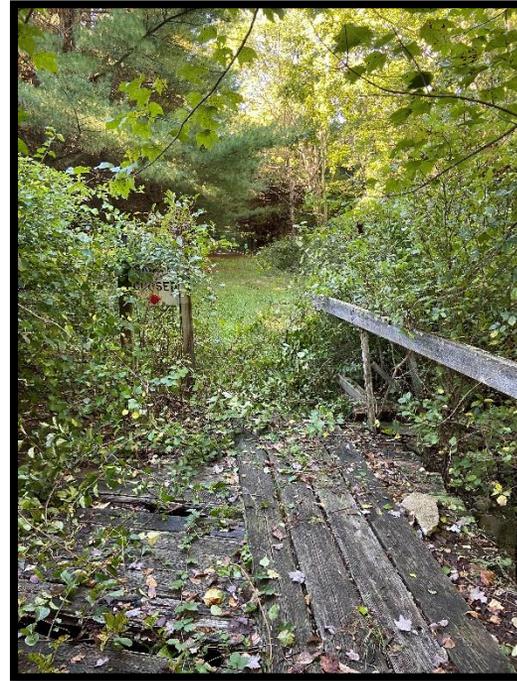
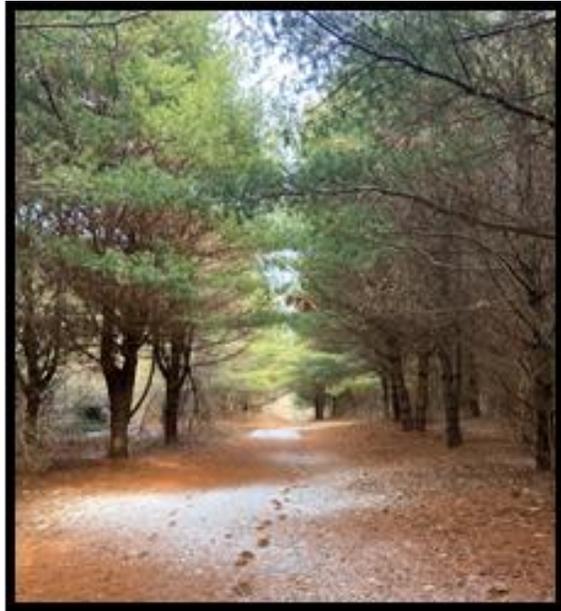
- NOTES:
1. 2016 AERIAL PHOTOGRAPHY.
 2. RED PARCEL LINES DEPICTED HEREON ARE BASED ON TOWN ASSESSOR MAPS.
 3. BLACK PARCEL LINES DEPICTED HEREON ARE BASED ON SUBDIVISION MAPPING ON FILE IN LAND RECORDS.
 4. 2-FOOT CONTOUR DATA IS FROM STATE OF CT 2000 LIDAR DATA.
 5. NO CERTIFICATION OF ACCURACY IS IMPLIED.

2023 CT DEEP Recreational Trails Grant Proposal
Route 6 ROW - South St. to Skungamaug River
Preliminary Trail Improvements - William Hunt Preserve



TOWN OF COVENTRY ENGINEERING DEPT.

Site Photos



Project Overview

- Request of funds to design and construct a low-impact trail system over a segment of town-owned property located on South Street in the area of Silver Street and Woodbridge Road
 - Blazed trail (~4,000 LF) - designed to handle Kubota RTV 1100 for maintenance purposes
 - Five space gravel parking area at the head of the trail off of South Street
 - Trailhead sign
 - Four low impact wooden bridges
 - Two low impact wooden boardwalks
 - Gravel walkway
 - Seven pedestrian control features and property delineators
 - Ancillary activities will include the following: remove dead trees and possible stump
- Aligns with the 2017 Nathan Hale Greenway Feasibility Study and Mission
- Restore pedestrian access to a trail network previously established
- Restore pedestrian access to the Skungamaug River
 - Historical fishing easement off of Woodbridge Road that allowed state trout stocking trucks and anglers down to the river;
 - In recent years, that easement has been halted indefinitely. This proposed trail will serve as an alternate route for anglers to access this river

Letter of Support from DEEP Fisheries

“This new proposed trail will not only restore important fishing access to the river via an alternate route but will re-establish historic public pedestrian access to the town’s property for other legitimate purposes.

The Skungamaug River is a valuable resource for Connecticut’s anglers. Each spring the Fisheries Division stocks an average of 2,300 brook, brown, and rainbow trout at 11 locations between Rte. 74 bridge in Tolland to the Woodbridge Rd bridge crossing in Coventry. This section of river passes through forested landscapes and along conservation lands and thus offers anglers a sense of remoteness while still being accessible. The newly proposed trail will greatly benefit public access to portions of the lower river that were historically stocked. Once this trail has been constructed, the CT DEEP can resume stocking at the town owed parcel by making use of the existing easement mentioned earlier. The Fisheries Division supports the awarding of this trail grant to re-establish fishing opportunities and other public uses of this scenic town-owned open space along the Skungamaug River.”

Projected Costs

2023 DEEP REC TRAIL GRANT
 RT 6 ROW - WILLIAM HUNT PRESERVE
 SOUTH ST TO SKUNGAMAUG RIVER
 OPINION OF COST

William Hunt Preserve Rec Trail

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
100	CLEARING AND GRUBBING	L.S.	1	\$ 7,000.00	\$ 7,000.00
105	PROPERTY LINE DELINATORS	EA.	30	\$ 200.00	\$ 6,000.00
115	EROSION AND SEDIMENT CONTROL MEASURES	EST.	1	\$ 3,000.00	\$ 3,000.00
210	AGGREGATE SURFACE	C.Y.	30	\$ 60.00	\$ 1,777.78
211	TRAIL (New)	L.F.	400	\$ 6.00	\$ 2,400.00
225	GRAVEL PARKING AREA (5 SPACES)	S.F.	2720	\$ 4.00	\$ 10,880.00
405	LOW IMPACT WOODEN BRIDGE - 6FT	L.F.	88	\$ 600.00	\$ 52,800.00
300	LOW IMPACT WOODEN BOARDWALK - 6FT	L.F.	156	\$ 200.00	\$ 31,200.00
435	PEDESTRIAN CONTROL FEATURES	EA.	7	\$ 300.00	\$ 2,100.00
450	TRAIL SIGNS	EA.	12	\$ 50.00	\$ 600.00
451	TRAIL HEAD SIGN	EA.	1	\$ 2,500.00	\$ 2,500.00
500	MOBILIZATION/CLOSE OUT	L.S.	1	\$ 12,025.78	\$ 12,025.78
				SUBTOTAL:	\$ 132,283.56
				20% CONTIGENCIES:	\$ 26,456.71
				TOTAL:	\$ 158,740.27
				SAY:	\$ 160,000.00

Questions or Comments?

Please reach out to Mindy Gosselin:

- Email mgosselin@coventryct.org
- Phone: 860-531-2886



Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 09-ED-01

Project Name Network Upgrades

Type Equipment

Department Education

Useful Life 5 years

Contact Superintendent

Category Equipment - Computers/software

Priority 1 Critical



Description

Total Project Cost: \$2,093,409

The technology department will continue its efforts to be in compliance with the established obsolescence plans. Outdated hardware will be replaced and servers/network enhanced. The FY 24 project is to install Building based Servers (\$32,500) at HEEC, CGS, GHR, and Patriots Park, and a Net Ally diagnostic tool (\$12,500) to troubleshoot the network

The Board choose to eliminate capital spending in FY 21 to avoid operating budget cuts and was cautioned it could not be restored in one year. Classroom equipment was removed until it could be phased in. It was re-established as a separate new capital project.

Justification

Cyber security and hardware advances will require constant upgrades.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	45,000	50,000	50,000	50,000	50,000	50,000	295,000
Total	45,000	50,000	50,000	50,000	50,000	50,000	295,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	45,000	50,000	50,000	50,000	50,000	50,000	295,000
Total	45,000	50,000	50,000	50,000	50,000	50,000	295,000

Budget Impact/Other

Capital Improvement Plan

Town of Coventry, Connecticut

FY 24 *thru* FY 29

Project # 09-ED-11
Project Name Classroom Furniture

Type Equipment
Useful Life 20 years
Category Equipment - Office

Department Education
Contact Superintendent
Priority 2 Very Important



Description **Total Project Cost:** \$620,000

Districtwide furniture/equipment replacement. Purchase of furniture/equipment to replace old, broken or damaged furniture/equipment.

Justification

Current furniture is reaching the end of its useful life. A schedule has been developed to replace old, broken or damaged furniture/classroom equipment. A measured approach to furniture replacement allows us to manage purchases over time.

It should be noted that if a renovate-as-new project proceeds, new furniture may be available for the high school and middle school with the state picking up 55%.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	45,000	45,000	45,000	45,000	45,000	45,000	270,000
Total	45,000	45,000	45,000	45,000	45,000	45,000	270,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	45,000	45,000	45,000	45,000	45,000	45,000	270,000
Total	45,000	45,000	45,000	45,000	45,000	45,000	270,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	09-ED-14
Project Name	School Carpet Replacement

Type	Maintenance	Department	Education
Useful Life	20 years	Contact	Superintendent
Category	Buildings	Priority	2 Very Important

Description	Total Project Cost: \$40,000
This project is planning for the replacement of carpet as it wears out, frays, splits.	
CHS auditorium was installed in 1999 and is in need of replacement	

Justification
It is expected that the planned life of carpet in various buildings will be reached.
Targetted carpet areas include the CHS auditorium.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		30,000					30,000
Total		30,000					30,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		30,000					30,000
Total		30,000					30,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	14-ED-05
Project Name	School Maintenance Vehicles

Type Equipment	Department Education
Useful Life 10 years	Contact Superintendent
Category Vehicles - Cars & Light Trucks	Priority 3 Important

Description	Total Project Cost: \$135,000
Replace 2010 school maintenance van (\$50,000) scheduled for FY25. Then replace a 2016 van in FY27. Replace EV in FY28.	

Justification
Vans will reach service life.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings		50,000		50,000	35,000		135,000
Total		50,000		50,000	35,000		135,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		50,000		50,000	35,000		135,000
Total		50,000		50,000	35,000		135,000

Budget Impact/Other
Can consider using BOE 2% fund.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	14-ED-06
Project Name	School Wood Floor Refinishing

Type Maintenance	Department Education
Useful Life 10 years	Contact Superintendent
Category Buildings	Priority 3 Important

Description	Total Project Cost: \$119,500
Refinish wood floors on an 8 to 10 year cycle. Next floor is GHR gym	

Justification
Sanding and refinishing stretches the life of the flooring. Needed on 8 to 10 year cycle.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		36,000		36,000			72,000
Total		36,000		36,000			72,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		36,000		36,000			72,000
Total		36,000		36,000			72,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	18-ED-01
Project Name	Crack Sealing of School Parking Lots

Type Maintenance	Department Education
Useful Life 10 years	Contact Superintendent
Category Infrastructure - Asphalt Roadwa	Priority 2 Very Important

Description	Total Project Cost: \$43,000
<p>To extend the life of the parking lots it is recommended that they be crack sealed. Pricing is estimated at \$1.5 per CY with 28,600 CY for all lots. Proposed work is at CHS/CNH and totals 14,000 CY. GHR lot is under consideration for replacement.</p>	

Justification

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			43,000				43,000
Total			43,000				43,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund			43,000				43,000
Total			43,000				43,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	18-ED-06
Project Name	PSS Van Replacement

Type	Equipment	Department	Education
Useful Life	10 years	Contact	Superintendent
Category	Vehicles - Cars & Light Trucks	Priority	2 Very Important



Description	Total Project Cost: \$70,000
Replace 2010 handicap mini bus used by the 18-21 year old special needs students.	

Justification
This bus would replace a 2010 handicap bus with a van.
Our contract with M&J Bus for regular education transportation prohibits use of any vehicle over 12 years old and we should follow suit as close as we can.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings			70,000				70,000
Total			70,000				70,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund			70,000				70,000
Total			70,000				70,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	18-ED-07
Project Name	GHR Parking Lot Replacement

Type Unassigned	Department Education
Useful Life	Contact Superintendent
Category Infrastructure - Surface Treated	Priority 3 Important

Description	Total Project Cost: \$350,000
Replace GHR parking lot.	

Justification
Age/wear and tear.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			350,000				350,000
Total			350,000				350,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Bonding			350,000				350,000
Total			350,000				350,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	20-ED-05
Project Name	Relocate High School Weight Room

Type	Improvement	Department	Education
Useful Life	25 years	Contact	Superintendent
Category	Buildings	Priority	1 Critical

Description	Total Project Cost: \$450,000
<p>A NEASC sites visted determined the current weight room facility is too small and lacked adequate ventilation. Relocation was deemed to the the best option. A building committee should be established to look into this issue and the options. This should start with a request of the Board of Education to the Council.</p> <p>This maybe eligible for 55% state funding funding.</p>	

Justification
<p>A NEASC sites visted determined the current weight room facility is too small and lacked adequate ventilation.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		450,000					450,000
Total		450,000					450,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan		247,500					247,500
Bonding		202,500					202,500
Total		450,000					450,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	23-ED-01
Project Name	Fire Tank Repair and Inspection

Type Study	Department Education
Useful Life 10 years	Contact Superintendent
Category Buildings	Priority 3 Important

Description	Total Project Cost: \$75,000
<p>NFPA and Health codes require that both drinking water and fire suppression tanks be inspected every 10 years. Last inspection was completed in 2017 with the next inspection planned for 2027.</p> <p>The Fire pump has reached its expected life span and needs replacement before failure. Planned for 2026.</p>	

Justification
Required by code.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			50,000	25,000			75,000
Total			50,000	25,000			75,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund			50,000	25,000			75,000
Total			50,000	25,000			75,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-ED-01
Project Name	CGS Perimeter Sidewalk Replacement

Type	Maintenance	Department	Education
Useful Life	20 years	Contact	
Category	Improvements - Not Building	Priority	3 Important

Description	Total Project Cost: \$25,000
The asphalt sidewalks that connect the classroom and side entrances are in need of replacement.	

Justification
There is a safety issue and difficulty clearing snow due to the uneven surface.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		25,000					25,000
Total		25,000					25,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		25,000					25,000
Total		25,000					25,000

Budget Impact/Other
consider using 2% fund

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-ED-02
Project Name	District-wide HVAC Replacement and Upgrade

Type Equipment	Department Education
Useful Life	Contact Superintendent
Category Buildings - HVAC & Electrical	Priority 1 Critical

Description	Total Project Cost: \$4,000,000
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Due to Covid additional attention has spotlighted the need need to upgrade school HVAC systems. There is hope that the State will add this as a school construction priority. A pending grant to address many of the High school issues is pending. Some planning for the Middle school has been undertaken but additional bonding will be needed.

The Board of Ed will need to discuss this issue with the Town Council to either expand the scope of the building Committee or create another committee. Note the Board suggested consideration of conversion of some HVAC unit replacements to natural gas. This is will be a design decision.

CHS- We await the outcome of a State grant.application. If it is not received funding will be required for a Band room Compressor (\$45,000), Roof top unit for main office (\$60,000), 2 mini splits, Lecture Hall: new (\$20,000).

CNH- unit ventilators also need replacing and cost for that are still under study with one option to undergo renovate as new We understand another round of State grants for HVAC is being proposed and we should try to be ready to participate in that.

CNH- two mini splits (\$26,000), LGI: new (\$20,000) (These would be incorporated into the broader project if the grant it received).

Justification

Studies show the climate control and proper fresh air is required for the health of the students and staff and has impact on learning

Most of the the air systems have exceed expected life and do no meet current standards.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	4,000,000						4,000,000
Total	4,000,000						4,000,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan	3,000,000						3,000,000
Bonding	1,000,000						1,000,000
Total	4,000,000						4,000,000

Budget Impact/Other

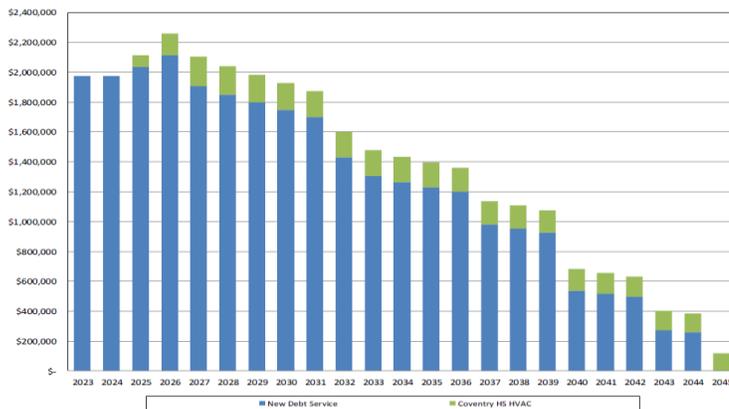
While more energy efficient the expansion of treated areas will increase operating expenses.

Explanatory Text prepared pursuant to CGS Sec. 9-369b.

Question: “Shall the resolution making an appropriation of \$11,070,000 for HVAC replacements, improvements and repairs at Coventry High School, be approved? YES _____ NO _____”

On January 10, 2023 the above question will be on the ballot of an adjourned Town Meeting for consideration. The proposed project focuses on upgrading the HVAC systems at Coventry High School with a code compliant system to replace the existing classroom unit ventilators with quieter, more energy efficient, enhanced circulation and outside air, and ability to circulate chilled air. Please see the sidebar for proposed scope of work. The first interest and principal payments for the bond will be included in the proposed FY 2024-2025 budget, and if approved, will be partially offset by retiring debt. According to our Financial Advisor the debt portion of that year’s proposed budget attributable to this project will have a mil rate impact on taxes of approximately .072 mil. This equates to a \$12.72 annual impact on the median household (assessed value of \$176,890: 70% of market value). If this question does not pass the debt portion of the budget could be reduced. However, \$2.1 million is needed to complete the unit ventilator replacement. Additionally this revised project includes roof top units replacement at end of service life already scheduled for replacement in future capital budget years (estimated at \$500,000) which will also need to be funded in the near future if the question does not pass.

Debt Impact Chart – CHS HVAC Project



Proposed Scope of Work

A new State Heating, Ventilation, Air Conditioning (HVAC) grant was adopted with the FY 23 State Budget which provides towns with the opportunity for school air improvements. Coventry has submitted an application for a grant (pending) for over \$6 million which covers 59.29% for eligible expenses. The School Building Committee reviewed the High School HVAC project already in design and reviewed several other HVAC projects on the Town’s long-term capital list. These proposed projects includes:

- Replacing existing High School classroom unit ventilators with code compliant ceiling mounted units (Original scope of work)
- Adding a Dedicated Outdoor Air System and Air Cooled Chiller
- Replacing existing roof top cooling equipment for the Auditorium, Stage, Band Room, & Media Center (included in future years’ capital budgets, estimated at \$500,000 by our engineers)

Total project cost is now estimated to be \$11,070,000. Of this, \$447,798 was identified as ineligible costs and/or bond issuance fees.

State reimbursement is expected to be \$6,297,710 (59.29%), leaving Coventry’s portion estimated at \$4,771,964.

There is \$1.4 million remaining from the energy bond which was approved by residents in 2019 for the unit ventilators. Additionally re-roofing bids came in under budget allowing the \$1.3 million balance to be re-purposed towards this HVAC project to cover increased costs.

The net local expense, after the grant, which the Town would be required to bond is \$2.1 million. The first bond payment in FY 2025.

What happens if this question does not pass? *The Town Council will need to call another question to allow the excess roof funds to be repurposed to allow the classroom unit ventilators to proceed this summer with the remainder of the high school roof (duct work to be installed by roofer).*

What happens if the question passes and we don’t get the grant? *The Town Council has committed that they will only continue with the original scope of work to replace the classroom unit ventilators.*

The foregoing question will be submitted to the legal voters of the Town for a vote on Tuesday January 10, 2023 during the hours between 6 A.M. and 8 P.M. Electors will vote at the polling places established for voting districts #1 and #2. The voters who are entitled to vote by reason of Section 7-6 of the CT General Statutes, as amended, may vote at Coventry Town Hall, 1712 Main St. Coventry, CT. Absentee Ballots will be available at the Office of the Town Clerk during business hours.

The polling places are as follows:

District 1- South Coventry Firehouse, 1755 Main Street District 2- North Coventry Firehouse, 3427 Main Street

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-ED-04
Project Name	District Wide Window Replacement

Type	Maintenance	Department	Education
Useful Life	30 years	Contact	Superintendent
Category	Buildings	Priority	3 Important

Description	Total Project Cost: \$6,150,000
<p>Window replacement/treatment.</p> <p>Two proposals have been submitted pertaining to windows. One is to add security film and the other is to replace them. If replaced the security film is not needed. Place holders were provided but are not engineered estimates.</p> <p>It is suggested that the Council create a school building committee to review and develop a plan on how to best proceed., Many of the windows are very old and not energy efficient.</p> <p>The committee should be formed and given funds for an architect to develop a plan starting with CNH. At this time windows are eligible for State grants of 55%</p>	

Justification
Windows are more energy efficient and new safety features are also available.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Planning/Design		150,000					150,000
Construction/Maintenance			6,000,000				6,000,000
Total		150,000	6,000,000				6,150,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan			3,000,000				3,000,000
Bonding		150,000	3,000,000				3,150,000
Total		150,000	6,000,000				6,150,000

Budget Impact/Other

Amanda Backhaus

From: Rusty Malik <rmalik@QAMarch.com>
Sent: Monday, February 13, 2023 1:39 PM
To: Amanda Backhaus
Subject: [EXTERNAL] RE: [EXTERNAL] Re: Renovate as New

Hi Amanda: Based on the study information developed in June of 2022 the breakdown is as follows:

NHMS

Windows - \$2,597,175

Roof – \$5,743,510

Hazmat – Allowance \$1,500,000 This will be for the demolition of the windows and potential HAZMAT abatement & disposal. (We carried \$4.5M for the overall project)

Add 4% per year escalation.

Project Development cost would be 17.5% of the total due to the limited scope.

CHS

Windows - \$2,137,000

Hazmat – Allowance \$1,000,000 This will be for the demolition of the windows and potential HAZMAT abatement & disposal. (We carried \$4.5M for the overall project)

Add 4% per year escalation.

Project Development cost would be 17.5% of the total due to the limited scope.

If you have any questions, please call, or email me.

Regards,

Rusty



Am'r Rusty Malik, AIA, LEED AP BD+C

Principal

QuisenberryArcariMalik, LLC

195 Scott Swamp Road
Farmington, CT 06032
phone 860-677-4594 x22
direct 860-470-5026
cell 860-930-6763
rmalik@qamarch.com
www.qamarch.com

From: Amanda Backhaus <abackhaus@coventryct.org>

Sent: Monday, February 13, 2023 12:00 PM

To: Rusty Malik <rmalik@QAMarch.com>

Subject: RE: [EXTERNAL] Re: Renovate as New

CAUTION: This email originated from outside QA+M Architecture. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Rusty,

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-ED-05
Project Name	CHS Asbestos Removal

Type Maintenance	Department Education
Useful Life 15-20 years	Contact Superintendent
Category Buildings - Asbestos	Priority 4 Less Important

Description	Total Project Cost: \$285,000
<p>in 1999, 18 classroom in CHS were underwent asbestos treatment and the used an encapselated the old tile with new tile. The Board is now requesting removal. Since State funds were used for the prior treatment we do not expect any state grant aid. Funds would be needed to test, design, and bid the project.</p>	

Justification

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Planning/Design		35,000					35,000
Construction/Maintenance			250,000				250,000
Total		35,000	250,000				285,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		35,000	250,000				285,000
Total		35,000	250,000				285,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 09-GA-02
Project Name Revaluation

Type Study **Department** General Administration
Useful Life 4 years **Contact** Finance Director
Category Unassigned **Priority** 1 Critical

Description **Total Project Cost: \$560,800**

Revaluation is required every five years with physical inspection required at least once during a 10 year period. Oct. 2025 a statistical reval is required which means it needs to start in FY 24.

Revaluaton is the process by which a Town is able to equalize the Real Estate Component of the Grand List. Assessments are supposed to be at seventy percent of value.

The next reval occurs in FY 2030.

Justification

Cost estimated at approximately \$ 18 per parcel.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Other	65,000	77,800			50,000	50,000	242,800
Total	65,000	77,800			50,000	50,000	242,800

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	65,000	77,800			50,000	50,000	242,800
Total	65,000	77,800			50,000	50,000	242,800

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 09-GA-05
Project Name Open Space Acquisition/Capital Maintenance

Type Land **Department** General Administration
Useful Life 25 years **Contact** Town Manager
Category Land **Priority** 2 Very Important

Description **Total Project Cost: \$674,000**

Acquire land for open space preservation, purchase development rights/conservation easements and obtain easements to provide connectivity between parcels. Includes signage and capital purchases.

Justification

The Conservation Commission has requested that funds be budgeted to purchase open space to leverage other grants. The Commission also requested consideration of granting funds to private owners to assist with the up-front costs of appraisal, surveys, etc, to sell to the State. Current State grant requires a 60% match. Due to other fiscal needs a modest appropriation is recommended.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Land Acquisition	15,000	25,000	25,000	25,000	25,000	25,000	140,000
Total	15,000	25,000	25,000	25,000	25,000	25,000	140,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	15,000	25,000	25,000	25,000	25,000	25,000	140,000
Total	15,000	25,000	25,000	25,000	25,000	25,000	140,000

Budget Impact/Other

Possible minor maintenance issues from time to time.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	09-GA-08
Project Name	Meeting Room Addition

Type	Improvement	Department	General Administration
Useful Life	25 years	Contact	Town Manager
Category	Buildings - Additions	Priority	3 Important

Description	Total Project Cost: \$2,000,000
<p>The current Annex meeting room is often too small for meetings. A two level addition off the rear door of the Town Hall is proposed. Handicap bathrooms and a reconfiguration of the Town's Clerks office are also proposed. The upper level will have a revised entrance to isolate the Council chamber from the remainder of the the Town Hall. Beneath will be storage for Emergency management, building files and an office for the the Emergency Mangement Director.</p> <p>Portions of this may be eligible for a BRIC federal grant.</p>	

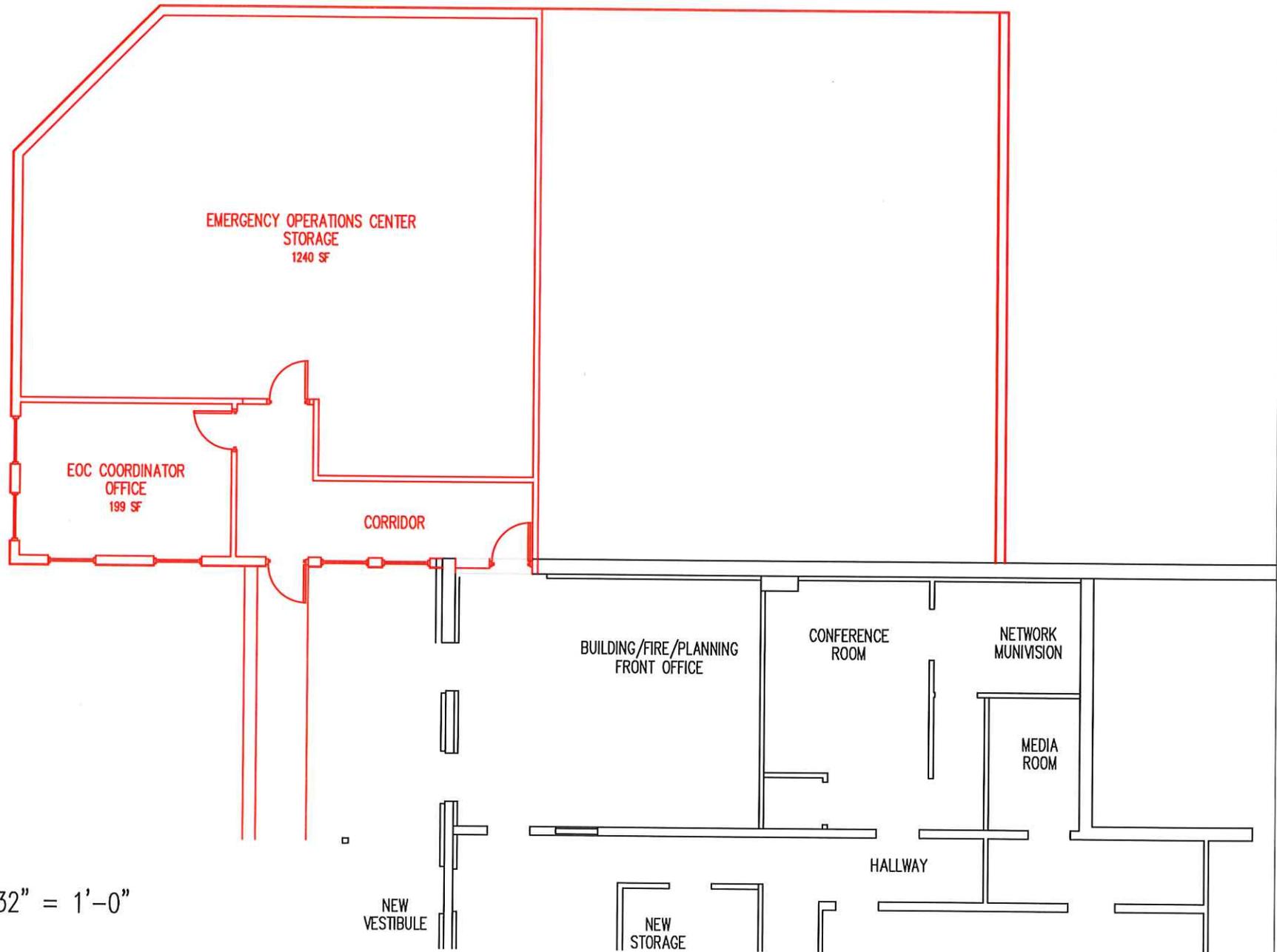
Justification
<p>This assume \$400 per square foot and around 4,000 SQUARE FEET.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance				2,000,000			2,000,000
Total				2,000,000			2,000,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan				1,500,000			1,500,000
Bonding				500,000			500,000
Total				2,000,000			2,000,000

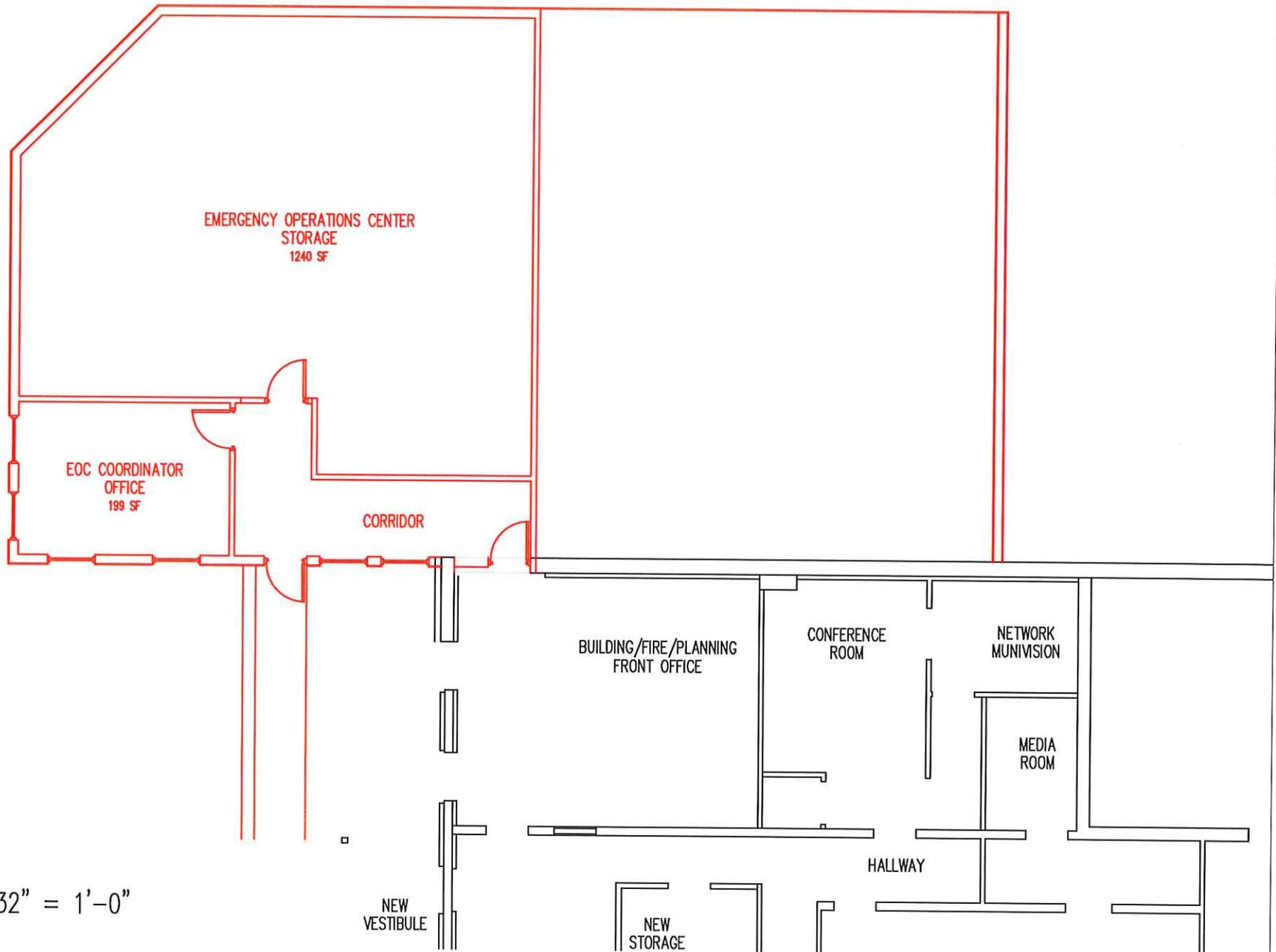
Budget Impact/Other

2022 – TOWN OF COVENTRY TOWN HALL EXPANSION LOWER FLOOR



SCALE: $3/32" = 1'-0"$

2022 - TOWN OF COVENTRY TOWN HALL EXPANSION LOWER FLOOR



SCALE: 3/32" = 1'-0"

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	09-GA-09
Project Name	Town Hall Renovations

Type	Improvement	Department	General Administration
Useful Life	25 years	Contact	Town Manager
Category	Buildings	Priority	1 Critical

Description	Total Project Cost: \$203,000
General repairs and enhancements to Town Hall.	

Justification
The largest project will be re roofing in 2028

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			10,000		60,000		70,000
Total			10,000		60,000		70,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund					60,000		60,000
LOCIP			10,000				10,000
Total			10,000		60,000		70,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	22-GA-03
Project Name	Electronic Document Management System

Type Equipment	Department General Administration
Useful Life	Contact Finance Director
Category Equipment - Office	Priority 2 Very Important

Description	Total Project Cost: \$56,000
Electronic Document Management System.	
Proposed use of Local Locip Funds for 2024.	

Justification
Electronic Document Management System will help the Town convert paper files to electronic files which are shareable amongst departments. This will allow for increased functionality for multiple offices within the Town as well as centralized storage.
Project includes installation and fees, and summer help to scan materials.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Other	10,000						10,000
Total	10,000						10,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Local Locip (Town Clerk fees)	10,000						10,000
Total	10,000						10,000

Budget Impact/Other
Proposed use of Local Locip Funds.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-HS-01
Project Name	Senior Center Commercial Kitchen

Type Improvement	Department Human Services
Useful Life	Contact
Category Buildings - Additions	Priority 2 Very Important

Description	Total Project Cost: \$35,000
To expand program activities modifying space for a commerical kitchen is needed, It is envisioned that one of the 2 existng kitchens will be upgraded with commerical sinks and appliances.	

Justification
Meals are a key to increased socialization.
It can be funded by a bequest and state grant.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	35,000						35,000
Total	35,000						35,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Donations\Non-Gov't Grant	35,000						35,000
Total	35,000						35,000

Budget Impact/Other
operating costs will increase due to staff certifiatiions and supplies.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-HS-02
Project Name	Re-roofing senior center

Type Maintenance	Department Human Services
Useful Life	Contact Recreation Director
Category Buildings - Roof	Priority 3 Important

Description	Total Project Cost: \$30,000
Roofs have a life span that ranges between 15 and 20 years.	

Justification
The roof was replaced at the time of the addition as part of the CDBG grant.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance					30,000		30,000
Total	<hr/>					30,000	30,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund					30,000		30,000
Total	<hr/>					30,000	30,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 09-PS-01
Project Name Police Vehicle Replacements

Type Equipment
Useful Life 5 years
Category Vehicles - police
Department Public Safety
Contact Police Chief
Priority 1 Critical



Description **Total Project Cost: \$1,513,300**

On-going replacement program for Police cruisers and staff vehicles. The first three years are spent as front line vehicles and then they are rotated to use as spares. Depending on the age of equipment (light bars, sirens, cages, computers, etc.) the equipment is transferred or replaced. At least one car per year must be replaced and occasionally two a year will be needed.

In FY 23 a replacement for the Police Chief's vehicle was scheduled and then cut. It is now the priority and a cruiser will be delayed and none purchased this year. Based on a review of mileage this should be okay.

Justification

The cruisers start experiencing costly repairs if they are left in the fleet too long. After a five year life cycle they typically have at least 100,000, plus many additional operational hours spent with the motor idling.

As of 12/1/2022 the mileage was:

1 CV (2021 Interceptor Utility hybrid)	40,071
2 CV (2020) Interceptor Utility hybrid)	39,074
3 CV (2018 Interceptor Utility)	16,378
4 CV (2021 Interceptor Utility hybrid)	44,184
5 CV (2019 Interceptor Utility)	67,418
Staff/Unmarked (2016 interceptor)	130,929
Chief (2014 Taurus)	106,656
Detectives (2017 Ford Fusion)	44,264
Special Duty (2015 Interceptor)	159,887
CSO (2016 Ford 250)	44,264

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	52,000	130,000	64,000	70,000	70,000	135,000	521,000
Total	52,000	130,000	64,000	70,000	70,000	135,000	521,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	52,000	130,000	64,000	70,000	70,000	135,000	521,000
Total	52,000	130,000	64,000	70,000	70,000	135,000	521,000

Budget Impact/Other

By purchasing hybrid vehicles, we anticipate \$3,400 fuel savings per vehicle per year. This is an anticipated \$17,000 over the vehicles life of 5 years. Newer vehicles have less repairs and more mechanical issues covered under warranty. Older vehicles create more expense in the operating budget for parts and repairs.

MHQ, Inc

401 Elm Street
Marlborough, MA 01752

MA State Contract - Plymouth County Commisoiners Contract - PCC2022

Quote

Quote Date: 12/1/2022
Sales Contact: Marc Sheehan
Contact Info: P: 860-788-6816
Email: msheehan@mhq.com
Customer: Coventry Police
Customer Contact: Sgt. Jeff Spadjinske
Address: 1585 Main St
Phone: 860-531-3482
Email: jspadjinske@coventryct.

Order	Code #	Description of Ford Options	Unit Price	
X	K8A	2022 Ford Utility Police Interceptor Base (K8A + 99W) with 3.3L V6 DI Hybrid Engine	\$41,286.62	\$41,286.62
		2022 Ford Utility Police Interceptor Base (K8A+ 99B) with 3.3L V6 DI Engine	\$32,483.00	
		2022 Ford Utility Police Interceptor Base (K8A + 99C) with 3.0L V6 EcoBoost Engine	\$36,492.10	
X	UM	Agate Black	Std	\$0.00
X	Int	96 - Front Cloth, Rear Vinyl	Std	\$0.00
X	153	License Plate Bracket	NC	\$0.00
X	549	Heated Mirrors	\$58.80	\$58.80
	593	Perimeter Anti Theft Alarm	\$112.80	
	942	Daytime Running Lamps	\$42.30	
	16C	1st & 2nd Row Carpet Floor	\$117.50	
	16D	Badge Delete	NC	
	16P	Rear Bumper Step Pad	89.30	
	17A	Aux A/C	\$573.40	
	17T	Dome Light	\$47.00	
X	18D	Global Lock/Unlock feature (Eliminates overhead liftgate switch)	\$0.00	\$0.00
	18X	100 Watt Siren / Speaker	\$296.10	
	19K	H8 AGM Battery	\$103.40	
X	19V	Rear Camera on Demand	\$225.40	\$225.40
	21L	Front Warning Aux Light (Driver - Red, Pass - Blue) Req 60A	\$517.00	
	41H	Engine Block Heater	\$84.60	
	43A	Rear Aux Lift Gate Lights	\$371.30	
X	43D	Dark Car Feature (Chime and Interior lights)	\$24.50	\$24.50
X	47A	Police Engine Idle Feature	\$254.80	\$254.80
	51P	Spot Lamp Prep Kit, Driver Side	\$131.60	
	51R	Driver Only LED Spot Lamp	\$371.30	
	51S	Spot Light - Dual (Driver & Pass) (LED Bulb)	\$582.80	
X	51T	Spot Light - Driver Only (Whelen LED Bulb)	\$411.60	\$411.60
	51V	Spot Light - Dual (Driver & Pass) (Whelen LED Bulb)	\$625.10	
	51W	Spot Lamp Prep Kit, Dual Side	\$263.20	
X	52P	Hidden Door Lock Plunger & Rear Door Handle INOP	\$156.80	\$156.80
	52T	Class III Trailer Tow Lighting Package	\$75.20	
	54E	12.1" Integrated Computer Screen	TBD	
	55B/54Z	BLIS - Blind Spot Monitoring (Includes Heated Mirrors)	\$512.30	
	55F	Remote Keyless Entry Key Fob	\$319.60	
X	59B	Keyed Alike - 1284X	\$49.00	\$49.00
	59C	Keyed Alike - 1294X	\$47.00	
	59D	Keyed Alike - 0135X	\$47.00	
	59E	Keyed Alike - 1435X	\$47.00	
	59F	Keyed Alike - 0576X	\$47.00	
	59G	Keyed Alike - 0151X	\$47.00	
	59J	Keyed Alike - 1111X	\$47.00	
X	60A	Pre-wiring for Grille, Speaker & Siren	\$49.00	\$49.00
X	60R	Noise Suppression Bonds	\$98.00	\$98.00
X	63B	Side Maker Lights (aka Mirror Beams) Req. 60A	\$284.20	\$284.20
	63L	Rear Quarter Glass Side Marker Lights	\$540.50	
	63V	Cargo Storage Vault	\$230.30	
	64E	18 in Painted Aluminum Wheels	\$446.50	
	65L	Wheel Covers (18In. Full Wheel Covers)	\$56.40	
	65U	Admin Upgrade	\$366.60	
X	66A	Front Headlight Lighting Solution	\$877.10	\$877.10
	66B	Tail Lamp Lighting Solution	\$404.20	
	66C	Rear Lighting Solution	\$427.70	
	67H	Ready for the road Package	\$3,379.30	
	67U	Ultimate Wiring Package	\$526.40	
	67V	Police Wire Connector Kit Front & Rear	\$173.90	

MHQ, Inc

401 Elm Street

Marlborough, MA 01752

Quote

Quote Date: 12/1/2022
 Sales Contact: Marc Sheehan
 Contact Info: P: 860-788-6816
 Email: msheehan@mhq.com

	68B	Police Perimeter Alert	\$634.50	
	68G	Rear-Door Handles Controls Inoperable / Locks Inoperable	\$70.50	
X	76D	Deflector Plate	\$328.30	\$328.30
	76P	Pre-Collision Assist with Pedestrian Detection	\$136.30	
X	76R	Reverse Sensing	\$269.50	\$269.50
	85D	Front Console Plate Delete option	\$0	
	85R	Rear Console Plate	\$42.30	
	85S	Rear Center Seat Delete	\$0.00	
	86T	Tail Lamp/Police Interceptor Housing	\$56.40	
	87P	Power Passenger Seat (6-way)	305.5	
X	87R	Rear View Camera in Rear View Mirror	N/C	\$0.00
	88F	2nd Row Cloth Seats	\$56.40	
	90D	Ballistic Door Panels - Drivers Front Door Only	\$1,489.90	
	90E	Ballistic Door Panels - Drivers & PaxFront Door Only	\$2,979.80	
	90F	Ballistic Door Panels (LVL IV+) – Driver Front Door Only	\$2,270.10	
	90G	Ballistic Door Panels (LVL IV+) – Driver & Pass Front Doors	\$4,540.20	
	92G	2nd & 3rd Row Solar Tint	\$112.80	
	92R	2nd Row ONLY Solor Tint	\$79.90	
	96W	Front Interior Windshield Warning Lights (Red/Blue w TD)	\$1,076.30	
	96T	Rear Spoiler Traffic Warning Lights	\$1,405.30	
X	4415751	WeatherTech Floor Liners	\$125.00	\$125.00
		Total Per Vehicle		\$44,498.62
		Number of Vehicles	1	\$44,498.62

Gengras Ford, LLC

225 New Britain Avenue
Plainville, CT 06062
Phone: 860.727.6302
www.gengras.com



Quote Number: 221116009

STATE CONTRACT NO: 19PSX0161

Make	MY	Model	Contract Price
Ford	2023	Explorer 4DR 4WD XLT (K8D)	\$ 37,270.00

All specifications are subject to verification of manufacturer's published standard and optional equipment. Vehicle to include all manufacturers standard equipment plus the following options:

	Option Code	Description	List Price
1	AZ	Star White Metallic	\$ 595.00
2	7N	Cloth - Sandstone	\$ -
3	202A	Equipment package	\$ 3,540.00
4	99H	2.3L EcoBoost® I-4 has Auto Start-Stop Technology	\$ -
5	44T	Ten speed Automatic Trans	\$ -
6	STD	Spare Key (1)	\$ -
7	16B	Floor Liners (1 & 2 row) w carpet	\$ 200.00
8	52X	Auto Start/Stop - delete	\$ (50.00)
9	91X	Rear Control - delete	\$ (50.00)
10	59W	WiFi Hotspot - delete	\$ (20.00)
11	655	Ford Co-Pilot 360	\$ 995.00
12			\$ -
13			\$ -
14			\$ -
15			\$ -
16			\$ -
17			\$ -
18			\$ -
19			\$ -
20			\$ -
<i>Total Options per Contract Price (list price)</i>			\$ 5,210.00
<i>Total Factory Options Discount (6%)</i>			\$ (312.60)
<i>Total Options per Contract Price (net price)</i>			\$ 4,897.40

Gengras Ford, LLC
 225 New Britain Avenue
 Plainville, CT 06062
 Phone: 860.727.6302
 www.gengras.com



Quote Number: 210304001

Aftermarket Accessories				
	Vendor / Manufacturer	Hours	Description	List Price
1		0.0		\$ -
2		0.0		\$ -
3		0.0		\$ -
4		0.0		\$ -
5		0.0		\$ -
6		0.0		\$ -
7		0.0		\$ -
8		0.0		\$ -
Total Hours		0.0		
<i>Total Aftermarket Options (list price)</i>				\$ -
<i>Total Aftermarket Options Discount (20%)</i>				\$ -
<i>Total Hours x \$130 / hour rate</i>				\$ -
<i>Total Net Aftermarket Options plus Total Labor</i>				\$ -
Trade Allowance				
Year	Make	VIN	Description / Mileage	Allowance
				\$ -
				\$ -
				\$ -
				\$ -
<i>Total Trade in Allowance</i>				\$ -
Comments: Budget price for discussion purposes only			Additional fees / Charges	
			State of CT Trade in Assessment (Note: Fee is payable to State of CT):	\$ -
			Dealer Conveyance Fee (\$799.00)	\$ -
			Registration Fee (estimated)	\$ -
			DMV Inspection Fee (as required)	\$ -
			<i>Total Additional Fees</i>	\$ -
Customer:	Town of Coventry			
FIN Code:	QL297			
VIN:			<i>Total (per unit)</i>	\$ 42,167.40
Quantity	1		<i>Grand Total (all)</i>	\$ 42,167.40

J&S Radio Sales Inc.

1147 Main Street
 Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax
 tony@jsradiosales.com

Quotation

Date	Quote #
11/14/2022	9050

Customer
Town of Coventry Accounts Payable 1712 Main Street Coventry, CT 06238

Ship To
Coventry Police Department 1585 Main Street Coventry, CT 06238

Terms	Rep
Net 30	JL

Qty	Item	Description	Price each	Total
1	Whelen	2023 Ford Police Interceptor Legacy Solo w/DUO TA LED light bar 54" WecanX controlled - fully loaded with LED takedowns (flashing), LED alleys (flashing), mounting kit 105, C399 Cencom Core light & siren controller system, CCTL6 Rotary knob switch panel, SA315P siren speaker, SAK66D Speaker bracket, C399K4 Canport cable & CANLITEB photocell	3,666.50	3,666.50
4	Whelen	VTX609* 2-Clear, 2-Red LED hideaway for rear tail lights	88.40	353.60
4	Whelen	TLI* T-ION series LED light head for front lower fog light area and rear hatch area	105.95	423.80
2	Whelen	TLI* T-ION series LED light head for bottom hatch area	105.95	211.90
1	Whelen	TIONWEDG Wedge angle mount brackets	14.30	14.30

Subtotal	
Sales Tax (6.35%)	
Total	

Customer Approval:

J&S Radio Sales Inc.

1147 Main Street
 Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax
 tony@jsradiosales.com

Quotation

Date	Quote #
11/14/2022	9050

Customer
Town of Coventry Accounts Payable 1712 Main Street Coventry, CT 06238

Ship To
Coventry Police Department 1585 Main Street Coventry, CT 06238

Terms	Rep
Net 30	JL

Qty	Item	Description	Price each	Total
1	Pro-Gard	P1000UINT20AOSB-W Single Compartment, Pro-Cell, ½ Partition, w/ Passenger Side Only Outboard Seat Belts. Includes: ½ Partition, Transport Seat, Floor Pan, Pair Window Bars, Lower Extension Panel(s), Poly Center Divider, Door Panel Cover Plates, Wire Mesh Window Cargo Barrier, & Outboard Seat Belts	3,087.50	3,087.50
1	Havis	SBX-1004 Large Modular Storage Drawer With Medium-Duty Lock	1,193.40	1,193.40
1	Havis	SBX-5004 Modular Storage Drawer Mount for 2020-2021 Ford Interceptor Utility	756.90	756.90
1	Havis	SBX-3001 Hinged Lid Drawer Topper with Medium-Duty Slam Latch	694.80	694.80
1	Havis	PROKIT-2 Adapter Kit for Pro-Gard Partition to Havis TTP or Storage Drawer Mount in 2020-2021 Ford Interceptor Utility	29.70	29.70
1	Havis	C-PM-106 Zebra printer mount ***DISCONTINUED***	137.40	137.40
1	Misc	Santa Cruz Gun mount SC-917-5	339.00	339.00
1	Havis	CG-X Charge guard	96.30	96.30

Subtotal		
Sales Tax (6.35%)		
Total		

Customer Approval:

J&S Radio Sales Inc.

1147 Main Street
 Willimantic, CT 06226
 860-456-2667
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 tony@jsradiosales.com

Quotation

Date	Quote #
11/14/2022	9050

Customer
Town of Coventry Accounts Payable 1712 Main Street Coventry, CT 06238

Ship To
Coventry Police Department 1585 Main Street Coventry, CT 06238

Terms	Rep
Net 30	JL

Qty	Item	Description	Price each	Total
1	Havis	C-VS-1210-INUT Custom equipment console for a 2021 Ford Utility Interceptor to include face plates, 2-mic brackets C-MCB & dual cup holders CUP2-1001	475.07	475.07
1	NMOKH...	Larsen NMO Antenna Cable w/ N Connector	30.00	30.00
1	NMOKH...	Larsen NMO Antenna Cable w/ Connector	30.00	30.00
1	Misc	Blue sea Fuse blocks, relays, wire & loom	125.00	125.00
2	Magneti...	Magnetic Microphone Holder	42.00	84.00
1	Misc	Lind CLOP-F00696 6ft power input cable for computer	38.00	38.00
1	Misc	5ft CAT5 Ethernet cable & double female coupler for camera system	12.00	12.00
1	Misc	20ft CAT5 Ethernet cable	21.00	21.00
2	Kenwood	KES-8S External speaker, 1-2way & 1-scanner	44.00	88.00
2	PCTEL	700/800mhz Antenna, 1-scanner 1-2way	45.00	90.00
1	Misc	Antenna Plus MDT antenna	325.00	325.00
1	Whelen	60CREGCS Red/White LED 6" Dome light - Rear cargo area	145.60	145.60
2	Misc	IP-PD-1824 Camera system antenna's for rear side window	35.00	70.00
1	Misc	12V+ power cord for Radar unit	60.00	60.00
1	Setina	PB400 VS Aluminum bumper full for a Ford Interceptor Utility	599.00	599.00

Subtotal	
Sales Tax (6.35%)	
Total	

Customer Approval:

J&S Radio Sales Inc.

1147 Main Street
 Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax
 tony@jsradiosales.com

Quotation

Date	Quote #
11/14/2022	9050

Customer
Town of Coventry Accounts Payable 1712 Main Street Coventry, CT 06238

Ship To
Coventry Police Department 1585 Main Street Coventry, CT 06238

Terms	Rep
Net 30	JL

Qty	Item	Description	Price each	Total
1	Labor	Remove emergency equipment from old cruiser (2way radio system, camera system, radar system, computer & modem) then reinstall with above new items into a new 2023 Ford Utility Interceptor	5,700.00	5,700.00

Subtotal		\$18,897.77
Sales Tax (6.35%)		\$0.00
Total		\$18,897.77

Customer Approval: _____

J&S Radio Sales Inc.

1147 Main Street
 Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax
 tony@jsradiosales.com

Quotation

Date	Quote #
11/15/2022	9055

Customer
Town of Coventry Accounts Payable 1712 Main Street Coventry, CT 06238

Ship To
Coventry Police Department 1585 Main Street Coventry, CT 06238

Terms	Rep
Net 30	JL

Qty	Item	Description	Price each	Total
		New Chief's Car 2023 Ford Explorer		
1	Whelen	BSFW50Z FST DUO WecanX series inner edge Red & Blue/ White- Front **Promo Package**	3,300.00	3,300.00
1	Whelen	BS50Z RST DUO WecanX series inner edge Red & Blue / TA Amber - Rear **Promo Package**	0.00	0.00
1	Whelen	C399 Cencom Core WecanX amplifier **Promo Package**	0.00	0.00
1	Whelen	CCTL5 WecanX controlled Handheld controller for lights & siren **Promo Package**	0.00	0.00
1	Whelen	C399K4 Canport cable **Promo Package**	0.00	0.00
1	Whelen	SA315P 100 watt siren speaker **Promo Package**	0.00	0.00
1	Whelen	SAK67D Ford speaker bracket **Promo Package**	0.00	0.00
2	Whelen	XI2* DUO ION LED's w/smoked lens 1-red/white, 1-blue/white - Grill mount	134.55	269.10
2	Whelen	VTX609* Vertex LED hideaways 1-red/1-blue - rear tail lights	88.40	176.80
1	NMOKH...	Larsen NMO Antenna Cable w/ N Connector	30.00	30.00
1	BMLPV...	760-870 MHz 4dBi Lo-Pro Black	45.00	45.00

Subtotal	
Sales Tax (6.35%)	
Total	

Customer Approval:

J&S Radio Sales Inc.

1147 Main Street
 Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax
 tony@jsradiosales.com

Quotation

Date	Quote #
11/15/2022	9055

Customer
Town of Coventry Accounts Payable 1712 Main Street Coventry, CT 06238

Ship To
Coventry Police Department 1585 Main Street Coventry, CT 06238

Terms	Rep
Net 30	JL

Qty	Item	Description	Price each	Total
2	Magneti...	Magnetic Microphone Holder	42.00	84.00
2	Whelen	W441D/W442D Sets of weatherproof connector kits for light heads	29.90	59.80
1	Misc	Fuse blocks, wire, loom & installation supplies	100.00	100.00
1	VM5930	VM5930 - 7/800MHz dash mount mobile radio w/ standard microphone, DC power cable, ignition sense cable, TrueVoice noise cancellation & State of CT CLMRN configuration package which includes P25 conventional, Phase 1 trunking, Phase 2 TDMA & OTAP. Standard 3 year warranty. List \$3345.21	2,341.65	2,341.65
1	CLMRN	EF Johnson / CLMRN configuration - Includes P25 conventional, Phase 1 trunking, Phase 2 TDMA & OTAP.	0.00	0.00
1	EFJ Labor	Labor to provision radio to meet State of CT CLMRN firmware and program.	47.50	47.50
1	VM5000...	VM5000 series remote head kit (at time of original radio order). List \$385.00	269.50	269.50
1	KES-5A	KES-5A External speaker. List \$67.70	50.78	50.78
1	Labor	Labor to install the above equipment into a new Ford Explorer XLT @ J&S Radio Sales	2,565.00	2,565.00

Subtotal		\$9,339.13
Sales Tax (6.35%)		\$0.00
Total		\$9,339.13

Customer Approval: _____



Sign Pro, Inc.
 60 Westfield Drive
 Plantsville, CT 06479
 Ph: (860) 229-1812
 FAX: (860) 223-1812
 Web: <http://www.signpro-usa.com>

Estimate #: 30097

Created Date: 5/10/2021 1:19:00PM Salesperson: Troy Farrand Email: troy@signpro-usa.com Office Phone: (860) 426-3025 Office Fax: (860) 223-1812 Entered by: Troy Farrand	Prepared For: Coventry Police Department Contact: Jeff Spadjinske Office Phone: (860) 531-3482 Email: jspadjinske@coventryct.org Address: 1585 Main Street Coventry, CT 06238
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Description: Interceptor Graphics Package

		Quantity	Price	Unit Price	Subtotal
1	Product: Design / Setup Description: Pre-press setup fee required for creating production files and programming. Estimated Design Time is Based on the Initial Information Provided at the Time of the Order. Additional Design Time Required will be Added to the Final Invoice at an Hourly Rate of \$85.00/hr. <ul style="list-style-type: none"> • 1 Files • 30 min Setup Time Per File. • 10 min Creative Design Time Per File. 	1	\$56.95	\$56.95	\$56.95
2	Product: Edge Prints Description: Edge Print Black Foil on 3M 1725 Metallic Gold Adhesive Vinyl POLICE (Quantity 2 for Both Sets of Doors) <ul style="list-style-type: none"> • 1- 7.125 in (H) x 121 in (W) Edge Print(s) on 3M 7125 HP METAL 15" • Spot Black, Spot Frogskin Clear, 	1	\$100.00	\$100.00	\$100.00
3	Product: RTA Cut Vinyl (Ready To Apply) Description: Ready to Apply Cut 3M HP Black Vinyl Lettering Roof Number 5CV <ul style="list-style-type: none"> • 1- 24 in x 42 in • Vinyl Colors are 3M 7125 HP SOLIDS 48" Black 12 	1	\$60.00	\$60.00	\$60.00
4	Product: RTA Cut Vinyl (Ready To Apply) Description: Ready to Apply Cut Nikkalite Reflective Vinyl Lettering "POLICE" (Qty 1 for Rear) "EMERGENCY" (Qty 2 - One for Each Rear Quarter Panel) "911" (Qty 2 - One for Each Rear Quarter Panel) <ul style="list-style-type: none"> • 1- 8.5 in x 61.2 in • Vinyl Colors are VNL-NIK 48012-PRF-WHITE REF-15" x 50YD • Text: POLICE EMERGENCY 911 	1	\$36.00	\$36.00	\$36.00



Sign Pro, Inc.
 60 Westfield Drive
 Plantsville, CT 06479
 Ph: (860) 229-1812
 FAX: (860) 223-1812
 Web: http://www.signpro-usa.com

Estimate #: 30097

		Quantity	Price	Unit Price	Subtotal
5	Product: Roll Sign Print	2	\$110.00	\$55.00	\$110.00
	Description: "Coventry" Decal Printed on White 3M IJ180CV3 Adhesive Vinyl with 3M 7Y-8518 Gloss Laminate Quantity 2, 10" x 15.7" Plus American Flag Decals 10" x 15.7" • 2- 10 in (H) x 15.7 in (W) Single Sided Print(s) made from Print Vinyl stock material • Laminated with VNL/LAM-3M8518-GLS LAM-48.5" x 50YD on face				
6	Product: Vehicle Wraps	1	\$799.06	\$799.06	\$799.06
	Description: Wrap of Front and Back Doors in White Both Sides • 1- Custom Wrap on a • Printed on Gloss White G10 • Drivers Side, Passenger Side,				
7	Product: In House Vinyl Installation	1	\$675.00	\$675.00	\$675.00
	Description: Installation of Vinyl Graphics • Location: In Shop: 60 Westfield Drive Plantsville, CT 06479 • 1st Crew: 12/18/2020 • Service Time of 9 hr 0 min • Crew of 1, Vinyl Installation Labor				

Notes

**All pricing contained in this proposal is estimated based on information provided by the client at the time of the estimate. Estimated pricing will be subjected to change in order to reflect design drawings, manufacturing means/methods/restrictions, the results of a technical survey, field measurements, field conditions, accessibility for installation and /or any other special provisions that the project may require.

Estimate Total: \$1,837.01
Subtotal: \$1,837.01
Total: \$1,837.01

Payment Terms: Net 30; Balance due in 30 days. A credit card processing fee may apply if paid by credit card.

Client Reply Request

Estimate Accepted "As Is". Please proceed with Order.

Other: _____

Changes required, please contact me.

SIGN: _____ Date: / /

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 19-PS-03
Project Name Service Truck Replacements

Type Equipment
Useful Life 10 years
Category Vehicles - EMS
Department Public Safety
Contact Fire/EMS Administrator
Priority 2 Very Important



Description **Total Project Cost:** \$115,000

Replace Rescue service/rescue vehicle for EMS and Vehicle Rescue Operations.
 Current vehicle is 23 years old.

Justification

Service 211 is 23 years old and has reached its life expectancy. Increased activity at this station and use of apparatus.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings		80,000					80,000
Total		80,000					80,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		80,000					80,000
Total		80,000					80,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	19-PS-05
Project Name	Engine Tanker Refurbishment

Type Equipment	Department Public Safety
Useful Life 10 years	Contact Fire/EMS Administrator
Category Vehicles - Fire Trucks	Priority 3 Important

Description	Total Project Cost: \$250,000
<p>Refurbish engine tanker 318 including but not limited to - pump rebuilding/replumbing, update braking system, repair any and all rust and corrosion, and replace emergency lighting and warning systems.</p> <p>Plan calls retrofitting over two years starting in FY 2025.</p>	

Justification
<p>The cost of refurbishment is approximately 1/3 the cost of a new vehicle. Refurbishment extends useful life by 10-15 years. Refurbishment will reduce the chances of failures during an emergency.</p> <p>Projects can proceed in steps as funds are available.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings		75,000	75,000				150,000
Total		75,000	75,000				150,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		75,000	75,000				150,000
Total		75,000	75,000				150,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	19-PS-06
Project Name	Police Station Updates

Type	Maintenance	Department	Public Safety
Useful Life	20 years	Contact	Police Chief
Category	Buildings	Priority	3 Important

Description	Total Project Cost: \$60,000
Anticipated building maintenance: FY24: Parking lot repair/expansion FY2028: Roof replacement	

Justification
This request anticipates building and repair improvements over the next 10 years. The police department building was opened in June 2006 and is open 24 hours a day, 7 days a week. North parking lot has drainage issues creating ponding/icing near sally port. The south lot is too small and funds allocated for expansion are no longer adequate. Previously approved funding was not adequate.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	15,000				35,000		50,000
Total	15,000				35,000		50,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP	15,000				35,000		50,000
Total	15,000				35,000		50,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	20-PS-04
Project Name	Fire Pond Maintenance and Creation

Type	Improvement	Department	Public Safety
Useful Life	20 years	Contact	Public Works Director
Category	Infrastructure	Priority	3 Important

Description	Total Project Cost: \$30,000
Fire ponds need maintenance due to weed intrusion and plumbing leaks. Also need to add additional resources for emergency water supply.	
Rt 44 fire pond \$4,500	
Boat launch repair and other loactions \$5,500	

Justification
Maintaining the fire ponds allows the fire departments the ability to connect to a viable water soource in the event of a fire. In addition, it ower insurance rates for surrounding properties.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	10,000			10,000			20,000
Total	10,000			10,000			20,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP	10,000			10,000			20,000
Total	10,000			10,000			20,000

Budget Impact/Other



EARTH DYNAMICS

116 Sean Circle, Coventry, CT 06238

Proposal

Dry Hydrant Repairs Coventry, CT

DATE 5.27.2019

Costs shown are UPDATED 12.2.22

To : Town of Coventry
 Coventry Fire and EMS
 Coventry CT

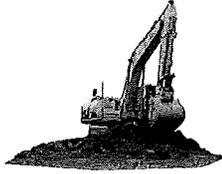
Attn: Jim McLoughlin

Thank you for requesting our proposal to repair the following dry hydrants:

Our proposal is based on meeting and discussion with Jim McLoughlin and Jimmy Galey on 5.24.2019

We propose to include all necessary supervision, equipment, labor, and materials for the following work :

Item	Updated 2022 Cost	
Route 44 Farm Pond Hydrant		
Mobilization		
Excavate sediment from pond near dry hydrant withdraw piping		
Install stabilization bracket at dry hydrant connection end		
Grade sediment onsite,Seed and mulch disturbed areas		
Cost	\$ 2,465.00	subtotal
Town to:		
Procure wetland permit		
Clear brush away from Dry Hydrant connection		
Locate and delineate pick up pipe and basket in the water		
South Street and Route 6 Dry Hydrant		
Install stabilization bracket at dry hydrant connection end		
Caulk accessible pipe joints		
Cost	\$ 340.00	subtotal
Town to:		
Procure wetland permit		
Clear brush away from Dry Hydrant connection		
Dry Hydrant at Cul de Sac off of High Street		
Install stabilization bracket at dry hydrant connection end		
Caulk accessible pipe joints		
Cost	\$ 340.00	subtotal
Town to:		
Procure wetland permit		



EARTH DYNAMICS

116 Sean Circle, Coventry, CT 06238

Clear brush away from Dry Hydrant connection		
Boat Launch Dry Hydrant		
* ** delivery pipe is broken off under water, fittings remain onsite**		
Cut existing broken pipe		
Install new connection pipe to truck connection location		
Fernco repair of underwater broken joint		
Install two concrete blocks to protect connection pipe		
Install stabilization bracket at dry hydrant connection end		
Cost (Budget based on current understanding and proposed plan)	\$ 1,800.00	subtotal
Town to Procure all necessary permits		
Total 2022 Price for above listed repairs	\$ 4,945.00	total

Assumptions/Exclusions

All permits and work plans by Town

If additional issues are encountered Earth Dynamics to contact Jim M

Pricing is based on conditions as encountered ion May, 2019

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	21-PS-06
Project Name	Hose and Equipment

Type	Equipment	Department	Public Safety
Useful Life	10 years	Contact	Fire/EMS Administrator
Category	Equipment	Priority	2 Very Important



Description	Total Project Cost: \$293,000
New hose, nozzle and equipment are needed to replace aging hose, worn/broken nozzels and equipment that have been transferred from older to newer apparatus. Approximate cost for a complete set of hose for 1 apparatus is \$10,000.	

Justification
The replacement of fire hose ensures reliability, water flow delivery and serves as a life safety tool for firefighters when exiting a structure. Conn OSHA requires the annual testing of all fire hose. Replacement is based on number of failures.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	20,000	20,000	22,000	22,000	24,000	24,000	132,000
Total	20,000	20,000	22,000	22,000	24,000	24,000	132,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	20,000	20,000	22,000	22,000	24,000	24,000	132,000
Total	20,000	20,000	22,000	22,000	24,000	24,000	132,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	23-PS-01
Project Name	Special Operations Equipment

Type Equipment	Department Public Safety
Useful Life 10 years	Contact Fire/EMS Administrator
Category Equipment	Priority 3 Important

Description	Total Project Cost: \$420,000
Purchase and replace special operations equipment including airbags, rescue tools, dive team equipment, hydraulic tools, pumps and hoses.	

Justification
Dry suits are needed for Dive team and must be custom fitted to diver. \$3,850 each
Seek donations through fund raising for half in year one.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	40,000	40,000	40,000	40,000	40,000	40,000	240,000
Total	40,000	40,000	40,000	40,000	40,000	40,000	240,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	20,000	40,000	40,000	40,000	40,000	40,000	220,000
Donations\Non-Gov't Grant	20,000						20,000
Total	40,000	40,000	40,000	40,000	40,000	40,000	240,000

Budget Impact/Other
proposed to be funded by American Rescue Plan Funds.



Scuba Shack Diving Services, LLC

1275 Cromwell Ave A-6
Rocky Hill, Connecticut 06067
(860) 563-0119

Quote

Visit us online at scubashackct.com

Quote number: 56175
11-08-2022 - 03:25:30 PM
Sales Person: Donna C-3365064
Estimated Date: N/A

TOWN OF COVENTRY FIRE DEPARTMENT-22331141
1712 MAIN ST
COVENTRY, CT 06238

Qty	Unit Price	Description	PC	Tax	Type	Ext. Price
1	2754.00	TLS PS Signature (Made to Measure) 111920 (MTM)/ AJV11062	R	No	Product	2754.00
1	460.00	DUI Deluxe - 2 Pckts, CF200 Knee Pads, Ultra Hood Deluxe/ AJV12322	R	No	Product	460.00
1	98.00	Xm450 Socks 303155/ AJV11860 Size:XL Color:BLACK	R	No	Product	98.00
1	380.00	DuoTherm II 300 Jumpsuit- XL 207525/ AJV12604 Size:XL Color:BLACK	R	No	Product	380.00

Customer PO. Number: Purchase Order Required

Sub Total	\$3692.00
Taxable Amount	\$0.00
Sales Tax	\$0.00
Total after tax	\$3692.00
You Saved	\$242.00
Total Amount	\$3692.00

Quote Notes

Custom Made-To-Measure DUI Public Safety TLS350 Drysuit (with Turbosole, PS Reflective Tape) With highly recommended Deluxe Package containing two Large Cargo Pockets, Knee Pads and Warm Neck Hood. Made-to-Measure drysuits have a delivery time of approximately 12 weeks.

SCUBA SHACK'S RETURN POLICY

New, unopened items may be returned for a refund within 14 days. Terms and Conditions apply. Excludes special order items.

New, open but unused items may be returned for In-Store Credit only, within 14 days. Terms & Conditions apply. Excludes special order items.

Items in used condition are not refundable.

All sales are final on Closeouts, Discontinued, Special/Commercial, Custom Order and "AS IS" items.

Class Terms & Conditions

Withdrawal or Reschedule Requests prior to the start of class are subject to a disenrollment fee. Future enrollment will be at full tuition.

Digital, educational material, Crew Paks, manuals etc are non-refundable.

No refunds will be given after the start of the class.

Service Department

Equipment left at Scuba Shack beyond 30 days is subject to a storage fee. Equipment left beyond 90 days will be disposed of as appropriate.

Quotes

Quotes are not binding and are valid for 30 days from issue, unless otherwise stated. Quotes are subject to change until Invoiced.

Thank You for shopping with Scuba Shack!

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PS-01
Project Name	Training Room Improvement/Equipment

Type	Equipment	Department	Public Safety
Useful Life	10 years	Contact	Fire/EMS Administrator
Category	Equipment - Office	Priority	2 Very Important

Description	Total Project Cost: \$30,000
Improve training room at Station 118.	

Justification
Room is now primary training facility for fire department. Also used by Police, Board of Ed and other Town Departements.
Need furniture, IT equipment, presentation equipment, lecturn.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings		15,000	15,000				30,000
Total		15,000	15,000				30,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund		15,000	15,000				30,000
Total		15,000	15,000				30,000

Budget Impact/Other



Quote

09/16/2021

To:
Coventry Connecticut Fire
Department
Bud Myers

Project:
Coventry Connecticut Fire
Department
Coventry, CT

From:
MEIKO USA, Inc.
James Corder
1349 Heil Quaker Blvd.
LaVergne, TN 37086-3518
(615)399-6600
615-309-6600 (Contact)

Job Reference Number: 4107

Item	Qty	Description	Net	Net Total
1	2 ea	SCBA & PPE MULTI-WASHER MEIKO Model No. TOPCLEAN M SCBA & PPE Multi-Washer, 23-5/8" W x 23-5/8" D x 33-1/2" H, with built-in booster, fully automatic operation, TOPCLEAN active wash water filtration, Soft Start for mask protection, leak detection system, pumped drain & rinse, standard liquid detergent & rinse aid pumps, double-wall stainless steel construction, , 3/4 HP wash pump, door interlock for safe operation, Internal Reverse Osmosis System, Air pressure connection to pressurize the PPE includes: (1) 7800276 (base rack) & (1) 7800277 (rack insert, 4 mask), cETLus (NET)	\$15,299.10	\$30,598.20
	2 ea	1 year standard warranty: Parts, labor & travel within the continental US, no overtime charges		
	2 ea	Extended warranty, second year (first year included), Undercounter models (net)	\$965.00	\$1,930.00
	2 ea	One pre-scheduled visit by MEIKO field engineer or authorized service agent (12 months after installation), consisting of inspection, adjustment, replacement of specified wear items & summary of any recommended service, includes monthly, bi-annual & annual service checklist items (net)	\$1,050.00	<Optional>
	2 ea	208-230v/60/3-ph, 33.2/36.0 amps, standard		
	2 ea	NEMA 15-50P cord kit, installed by others, includes cord, plug, receptacle & plate (net)	\$555.00	<Optional>
	2 ea	GIO FILTER GiO Filter for the Reverse Osmosis System - Required 2 filters every 3 months for a total of 8 filters per year (NET)	\$932.15	\$1,864.30
	2 cs	9209590 Neutral Decon MD Detergent, (case of (2) 1 gallon) (net)	\$72.00	\$144.00
	2 cs	9209592 Rinse Aid, neutral rinse Decon NR, (case of (2) 1 gallon) (net)	\$72.00	\$144.00
	2 ea	7800282 Rack Insert (1) SCBA Backpack (net)	\$820.50	<Optional>
	2 ea	7800288 Rack Insert (1) SCBA Bottle (net)	\$346.50	<Optional>
	2 ea	11000101 Cabinet Stand, for TOPCLEAN M, with storage area, elevates machine approximately 16-3/4" off ground, stainless steel construction (net)	\$967.50	\$1,935.00
	2 ea	Liftgate delivery (net)	\$195.00	\$390.00
			ITEM TOTAL:	\$37,005.50
			Total	\$37,005.50

*CDC R.
previous purchase*

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 09-PW-06
Project Name Summer Roads

Type Maintenance **Department** Public Works
Useful Life 10 years **Contact** Public Works Director
Category Street: Summer Roads **Priority** 1 Critical

Description **Total Project Cost:** \$23,886,000

Program funds annual Summer Road Maintenance plan including leveling, shimming, chip seal, Crack seal is also included. Roads planned for leveling and chip seal are in attached plan.

A 4 year road bond was approved and includes reconstructing the Pilgram Hills neighborhood in conjunction with water main replacements. We also hope to be awarded in the next road of State/local bridge grants, which will cover 50% of the cost to replace culverts on Parker Bridge Road and Bunker Hill Road.

Focus will also be on the roads identified in recent road survey.

Justification

If roads are not maintained more costly alternatives are required.

The concept is to include major reconstruction, paving of certain dirt roads taken over from lake associations, and some safety improvements.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	580,000	580,000	580,000	580,000	1,000,000	1,000,000	4,320,000
Total	580,000	580,000	580,000	580,000	1,000,000	1,000,000	4,320,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	290,000	290,000	290,000	290,000	710,000	710,000	2,580,000
State/Federal Grant/Loan	290,000	290,000	290,000	290,000	290,000	290,000	1,740,000
Total	580,000	580,000	580,000	580,000	1,000,000	1,000,000	4,320,000

Budget Impact/Other

Town of Coventry Pavement Management Study



Bill Scarpati – Associate/Pavement Specialist

February 7, 2022



Over 50 communities throughout New England have benefited from our pavement/asset management services.



Presentation Agenda

1 Pavement Management Study Methodology

2 Pavement Management Dashboard

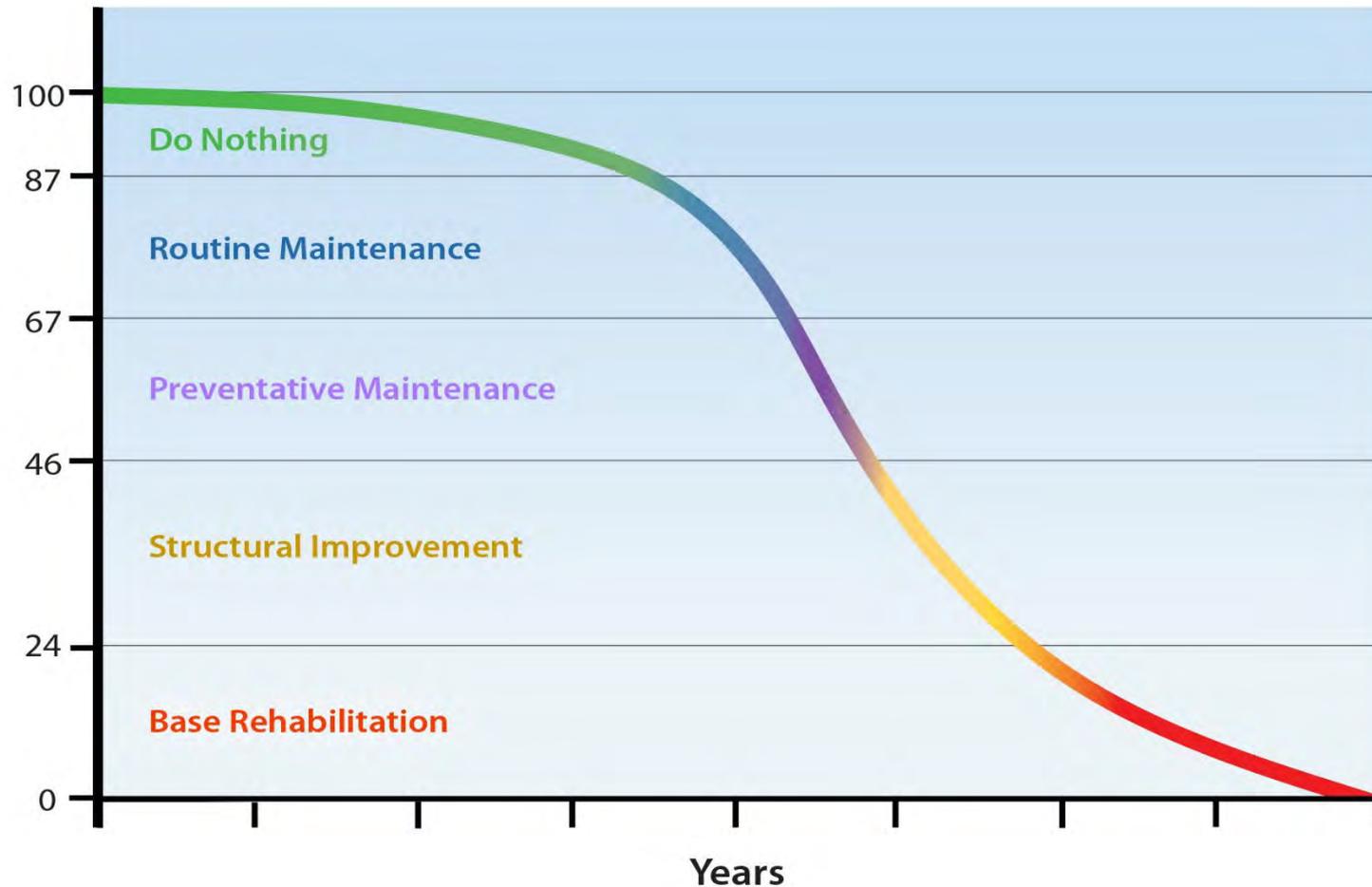
3 Recommendations & Questions

Study Methodology

- Conducted a Town-wide Pavement Inventory (117.4 miles)
- Pavement distress identification and quantification was performed on all road segments (Visual Assessment Only)
- Pavement Condition Index (PCI) calculated on a 0 to 100 scale
- Calculated a Network Priority Ranking (NPR) for each segment

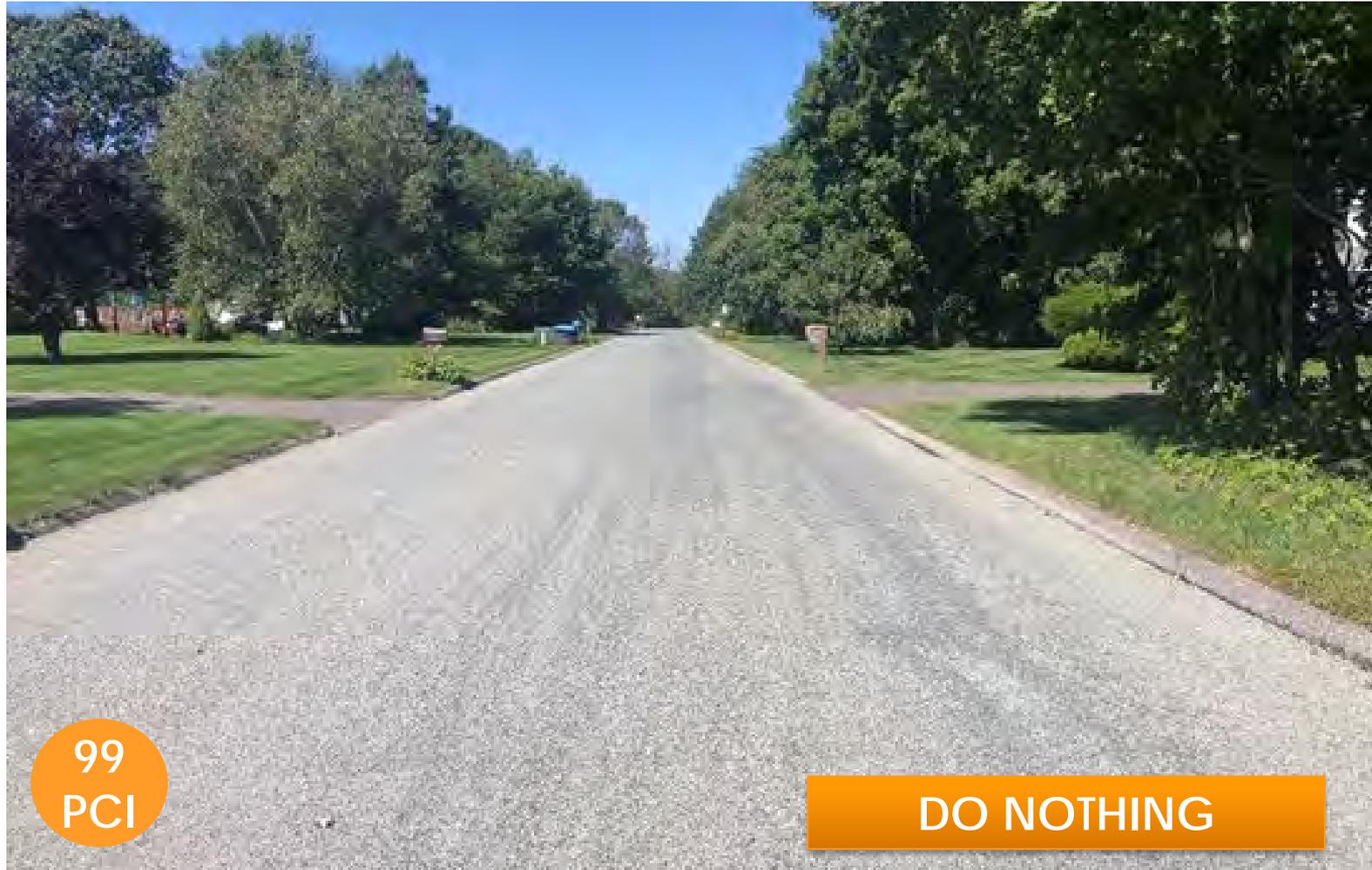
Pavement Management Philosophy

PCI Treatment Bands



Treatment Band Examples

Gardner Tavern Lane from Ripley Hill Road to East View Drive



99
PCI

DO NOTHING

Treatment Band Examples

High Street from Lake Street to Flanders Road



80
PCI

ROUTINE MAINTENANCE

Treatment Band Examples

South Street from 410' East of Skinner Hill Road to 2471' East of Skinner Hill Road



52
PCI

PREVENTIVE MAINTENANCE

Treatment Band Examples

Buena Vista Road from Main Street to 240' North of Smallwood Trail



25
PCI

STRUCTURAL IMPROVEMENT

Treatment Band Examples

Loomis Drive from Carver Lane to Cul-De-Sac



9
PCI

BASE REHABILITATION

Treatment Band Examples

Armstrong Road from Main Street to Snake Hill Road

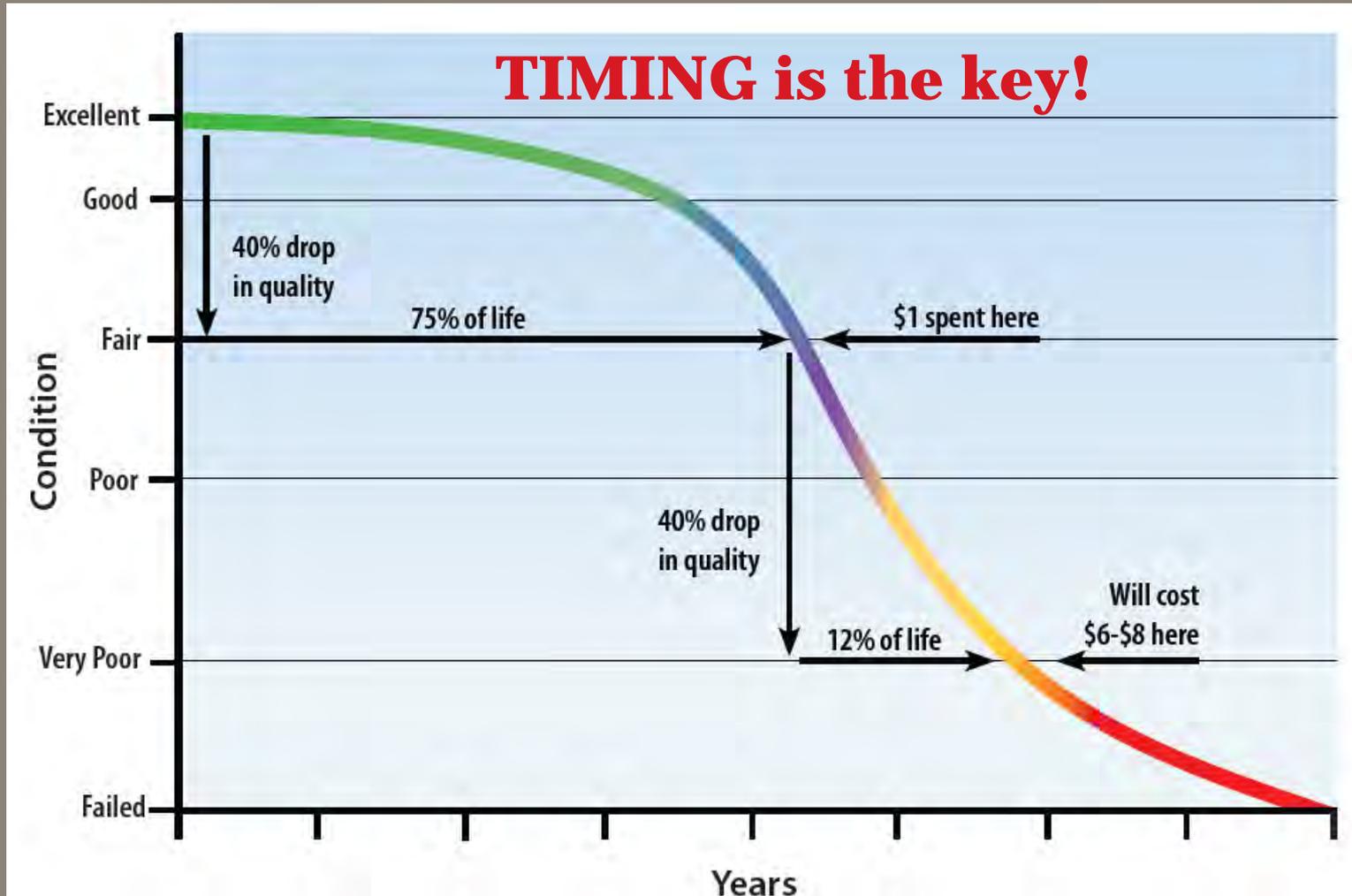


75
PCI

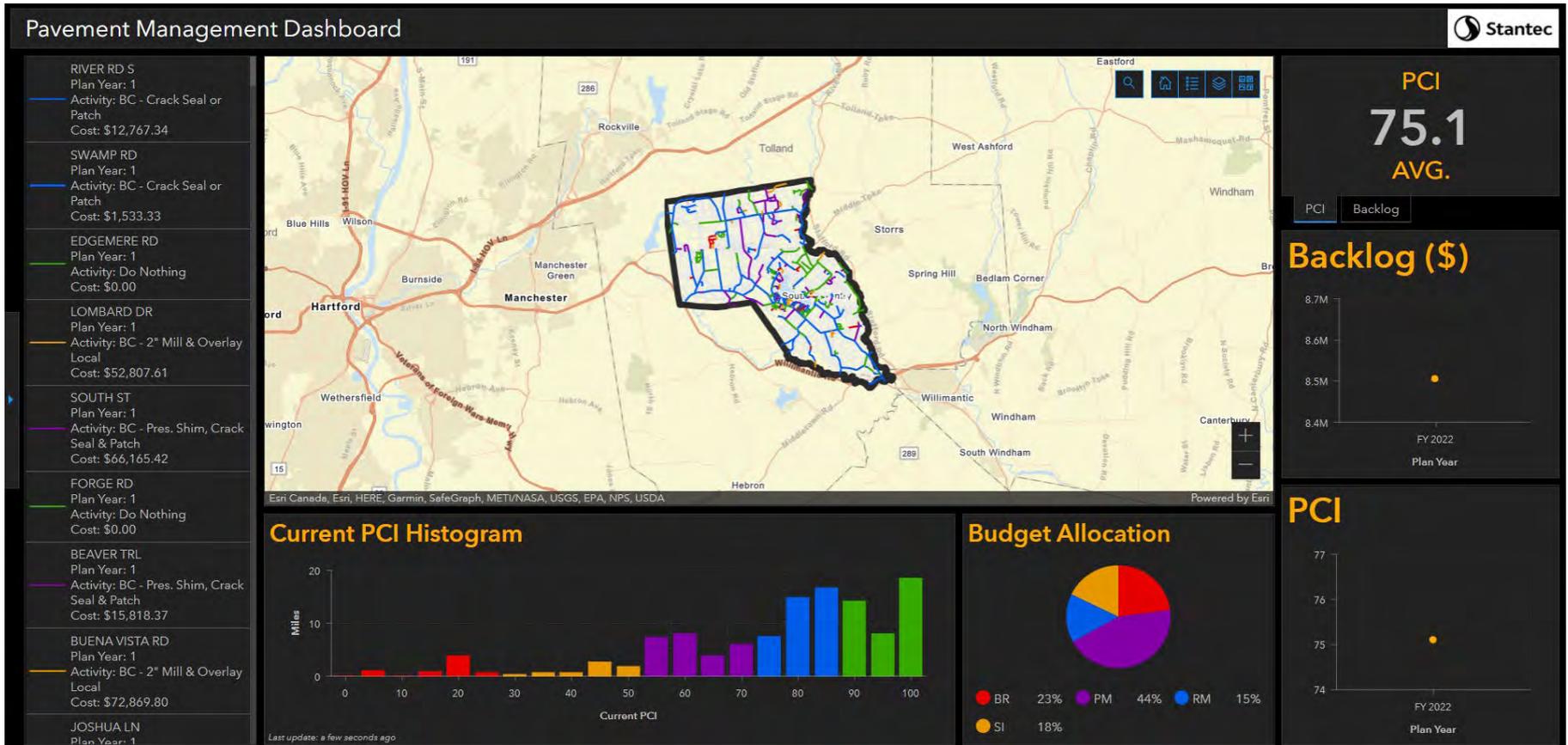
TOWN AVERAGE PCI

Pavement Management Theory

Pavement Deterioration Curve



Pavement Management Dashboard



Recommendations

- **The Town of Coventry needs to increase its roadway funding:**
 - \$1.5M/Yr. at a minimum, consider up to \$3.0M/Yr. to improve Town-wide pavement conditions
- **Continue Practicing Routine and Preventative Maintenance:**
 - Crack and Chip Sealing - The Town should spend at least \$600k/year on a crack and chip sealing program
 - Based on the distribution of roadway the Town should expand on utilizing chip sealing to address roads in the Preventative Maintenance band.
 - Could be a poor man's base rehabilitation with some leveling and shimming
- **Begin to address Structural Improvement and Base Rehabilitation Backlog:**
 - Roadway network currently sits at a "critical point" where the window of opportunity to address major capital roadway repairs is present.
 - Explore bonding at least \$3.0M to improve to tackle poor and failed roadways.
- **Continue Pavement Management:**
 - Pavement is on going process – setting goals, monitoring and tracking performance

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	09-PW-07
Project Name	Large Drainage Projects

Type	Improvement	Department	Public Works
Useful Life	25 years	Contact	Public Works Director
Category	Storm Sewer/Drainage	Priority	3 Important

Description	Total Project Cost: \$275,000
This category of project is for large scale drainage improvements not part of the summer road program.	
Projects include: Twin Hills.	

Justification
Drainage pipe has a life span. Concrete pipe section separate, metal pipe rusts and collapses.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			10,000		35,000		45,000
Total			10,000		35,000		45,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP			10,000		35,000		45,000
Total			10,000		35,000		45,000

Budget Impact/Other



August 19, 2021

Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
Town of Coventry
1712 Main Street
Coventry, CT 06238

Re: **Proposal for Civil Engineering Services**
Replacement of Culvert carrying Broadway over
Unnamed Brook
Coventry, CT

Dear Mr. Penney:

In accordance with your request, we are pleased to submit herewith our proposal for providing civil engineering services with respect to the subject project.

This proposal is based on the following assumptions:

- A. The project will be funded with Town funds only.
- B. There are no agencies having jurisdiction or permit requirements that would prevent the existing culvert from being replaced with a box culvert with sunken floor.
- C. A single cell precast box culvert, with cut-off walls, return-walls, and wingwalls intended to also be precast are proposed to accelerate the construction for cost savings. Structural design of these elements will be performed by this office (NLJA).
- D. The roadway will be closed for the construction (no temporary bridge or culvert), and the construction performed in a single phase (not staged).
- E. It is desired by the Town to widen the road "over the causeway". This proposal assumes the widening may impact adjacent wetlands or open waterbodies with fill. Retaining system design to avoid or minimize these impacts is not included but can be performed as an authorized additional service.
- F. No participation at a public involvement meeting nor preparation of PowerPoint presentations are included but can be included as an authorized additional service.
- G. Proposed approach metal beam rail will be carried on proposed parapets with field epoxied base plates welded to posts. There will be no bridge rail, pedestrian rail, chain link fence, or similar.
- H. There are no existing underground utilities at the culvert site that would otherwise be affected by the proposed construction.

Nathan L. Jacobson & Associates, Inc.
Nathan L. Jacobson & Associates, P.C. (NY)
86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337
Tel 860.526.9591 Fax 860.526.5416
Consulting Civil and Environmental Engineers Since 1972



Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
Town of Coventry

Re: **Proposal for Civil Engineering Services**
Replacement of Culvert carrying Broadway
over Unnamed Brook

August 19, 2021
Page 2 of 10

- I. This proposal does not include addressing any new requirements from agencies having jurisdiction that may be enacted after the date of this proposal.
- J. No part of the project falls within a CTDEEP Natural Diversity Database (NDDDB) area of concern.
- K. Hydrologic and hydraulic work will not be documented in a report.
- L. The project will qualify for U.S. Army Corps of Engineers' (Corps) Self-Verification (and CTDEEP 401 Water Quality Certification (WQC)) under their new General Permit for Connecticut (CT) to be issued in August 2021.
- M. No environmental investigations or hazardous waste assessments are included within our scope of work.
- N. This proposal does not include any state sales tax that may be enacted.
- O. Services of this proposal are anticipated to be complete by the end of 2022.

Based on the foregoing, our Scope of Services is defined as follows:

Task 1 – Survey

- 1.1 Obtain the services of a certified professional wetland soil scientist to flag the wetland boundary in accordance with State and Federal criteria. Flags to be sequentially numbered in the field and shown accordingly on the drawings. We propose to utilize the services of New England Environmental Services, R. Richard Snarski, CPSS, CPESC, unless you have an objection.
- 1.2 Obtain the services a professional land surveyor to research Town of Coventry Land Records to compile information that may be available to confirm property lines and right-of-way lines closest to the project and existing easement lines or other pertinent covenants or encumbrances. We propose to utilize the services of our affiliate, Land Survey & Technical Services, Inc., unless you have an objection.
- 1.3 Obtain the services of the professional land surveyor to conduct a vertical control survey conforming to Vertical Accuracy Class V-2 and establish at least two (2) permanent benchmarks for design and construction referenced to NAVD88. Horizontal datum will be NAD83. We propose to



Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
Town of Coventry

Re: **Proposal for Civil Engineering Services**
Replacement of Culvert carrying Broadway
over Unnamed Brook

August 19, 2021

Page 3 of 10

utilize the services of our affiliate, Land Survey & Technical Services, Inc., unless you have an objection.

- 1.4 Obtain the services of the professional land surveyor to perform a field survey conforming to Topographic Accuracy Class T-2 to obtain topographic information needed for design, including elevation shots along the driveway east of the upstream impoundment to help establish headwater control. We propose to utilize the services of our affiliate, Land Survey & Technical Services, Inc., unless you have an objection.
- 1.5 Prepare a topographic survey worksheet at a convenient scale and an elevation contour interval of one (1) ft. depicting the planimetric features, wetland flag locations, structure elevations, ground elevations, and approximate right-of-way, easement and property lines (as applicable). We propose to utilize the services of our affiliate, Land Survey & Technical Services, Inc., unless you have an objection.

Task 2 – Preliminary Design

- 2.1 Attend one (1) meeting on site with Town officials to review project scope and design criteria. Briefly discuss aesthetic alternatives, if any. Prepare and distribute meeting minutes.
- 2.2 Prepare project base map from information provided by the professional land surveyor.
- 2.3 Coordinate the services of a geotechnical engineer to perform subsurface investigations, geotechnical engineering evaluation, and prepare a report. We propose to utilize the services of Welti Geotechnical, P.C., unless you have an objection.
- 2.4 Utilize United States Geological Survey (USGS) StreamStats to develop design discharges.
- 2.5 Utilize FHWA HY-8 computer program to select proposed culvert waterway cross-sectional dimensions.
- 2.6 Inform Town officials of the results of hydrologic and hydraulic analysis, and proposed waterway size determination.
- 2.7 Prepare a computer-generated preliminary design drawing set utilizing AutoCAD 2022 or later version and our English unit CAD standard. The primary purpose of these drawings will be for submission to agencies having jurisdiction to obtain pertinent approvals, and for presentation at a public involvement meeting. It is anticipated that the following sheets will be prepared:



Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
Town of Coventry

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Replacement of Culvert carrying Broadway
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- 2.7.1 Title Sheet
- 2.7.2 Existing Conditions Plan
- 2.7.3 Demolition Plan
- 2.7.4 Roadway Plan
- 2.7.5 Roadway Profile
- 2.7.6 Erosion and Sediment Control Plan
- 2.7.7 Erosion and Sediment Control Notes
- 2.7.8 Erosion and Sediment Control Details (*including water-handling-cofferdam plan*)
- 2.7.9 Maintenance and Protection of Traffic Plan
- 2.7.10 Site Details and Notes
- 2.7.11 Culvert General Plan
- 2.7.12 Environmental Impact Plan

2.8 Whenever requested, e-mail pdf progress drawings to the Town.

2.9 Identify proposed easements.

2.10 E-mail pdf preliminary design drawings (showing proposed easement areas) to Town for review and comment.

2.11 Attend one (1) meeting on site with Town officials to review preliminary design drawings and PDOPCC. Prepare and distribute meeting minutes. Make minor revisions.

2.12 Coordinate with CTDOT District 1 for Highway Encroachment Permit that contractor will be required to obtain to place detour signs in state highway right-of-way for the required temporary road closure, if it is decided that the proposed detour will utilize Rte. 44.

Task 3 – Permits

3.1 Solicit review of the project site from the State Historic Preservation Office (SHPO) (including submission of appropriate executed SHPO form).

3.2 Solicit a review of the project site from Tribal Historic Preservation Officers (THPOs).

3.3 Solicit a review of the project site by the U.S. Fish & Wildlife Service (USFWS) through their IPaC website.



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- 3.4 Solicit a review of the project site by the CTDEEP Inland Fisheries Division (including submission of appropriate executed Fisheries form).
- 3.5 Check the CTDEEP NDDDB to confirm that the project still does not fall within an area of concern.
- 3.6 Determine impact areas and volumes in wetlands, watercourse, and 75 ft. upland review area, and provide to Town, on pertinent land use applications, or on the proposed Environmental Impact Plan, as needed.
- 3.7 Prepare and submit (digital submission by e-mail) a Self-Verification package to the Corps under their draft CT General Permit expiring 08-19-2026, with e-mailed copy to CTDEEP for 401 WQC submission. Submission to Corps and CTDEEP to include:
 - 3.7.1 Executed Corps Self-Verification Notification Form
 - 3.7.2 Official endangered species list(s) from USFWS.
 - 3.7.3 Correspondence with the SHPO.
 - 3.7.4 Correspondence with the THPOs.
 - 3.7.5 Correspondence with CTDEEP Fisheries
 - 3.7.6 CTDEEP NDDDB check.
 - 3.7.7 Project plans.
 - 3.7.8 Any state or local approvals.
 - 3.7.9 Existing condition photos.
- 3.8 Provide hardcopy drawings to the Town for their submission to their Inland Wetlands Agency (IWA). Also, prepare colored presentation drawing pdfs for Town's presentation to the IWA.
- 3.9 Attend one (1) IWA meeting and assist in presentation.
- 3.10 Provide hardcopy drawings to the Town for their submission to their Planning & Zoning Commission (PZC) for CGS 8-24 review and report.

Task 4 – Final Design

- 4.1 Perform final engineering design and add necessary detail to the preliminary design drawings for construction, based on the Construction Details and Materials Section of the Connecticut Department of Transportation Form 818 (2020), and supplements dated prior to this proposal.



Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
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- 4.2 Obtain a load rating of the proposed final designed culvert barrel, in accordance with the CTDOT Load Rating Manual. We propose to utilize the services of M. B. Lee Engineering, LLC, unless you have an objection.
- 4.3 Prepare a computer-generated final design drawing set from the preliminary design drawing set. It is anticipated that the following sheets will be prepared:

NLJA Drawings

- 4.3.1 Title Sheet
- 4.3.2 Existing Conditions Plan
- 4.3.3 Demolition Plan
- 4.3.4 Roadway Plan
- 4.3.5 Roadway Profile
- 4.3.6 Erosion and Sediment Control Plan
- 4.3.7 Erosion and Sediment Control Notes
- 4.3.8 Erosion and Sediment Control Details (*including water-handling-cofferdam plan*)
- 4.3.9 Maintenance and Protection of Traffic Plan
- 4.3.10 Site Details and Notes
- 4.3.11 Culvert General Plan
- 4.3.12 Culvert Details
- 4.3.13 Wingwall Details
- 4.3.14 Parapet Details

CTDOT Standard Drawings

- 4.3.15 Figures for Dates on Bridge Parapets
 - 4.3.16 Temporary Precast Concrete Barrier Curb
 - 4.3.17 MASH W-Beam Hardware
 - 4.3.18 Metal Beam Rail (R-B MASH) Guiderail
 - 4.3.19 Metal Beam Rail (R-B MASH) Half & Quarter Post Spacing Guiderail
 - 4.3.20 R-B End Anchorage Type I and II
 - 4.3.21 Metal Sign Posts and Sign Mounting Details
 - 4.3.22 Signs for Construction and Permit Operations
 - 4.3.23 Construction Sign Supports and Channelizing Devices
- 4.4 Prepare Project Manual to include boilerplate specifications (CSI Division 0) based generally on Engineer's Joint Contract Document Committee masters, and to include State of Connecticut Department of Labor Prevailing Wage Rates, and (technical) specifications.



Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
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- 4.5 Submit boilerplate specifications to the Town for submission to their attorney and insurance agent for review and approval. Make minor revisions.
- 4.6 Prepare final design opinion of probable construction costs (FDOPCC). Submit to Town along with backup quantity take-off computations.
- 4.7 Submit 95% final design construction documents (drawings and Project Manual) to the Town for review and comment.
- 4.8 Conduct one (1) virtual meeting with Town to review their comments on 95% final design construction documents and FDOPCC. Make minor revisions to final design documents to make 100% construction documents.

Task 5 – Additional Services

- 5.1 Design of a temporary crossing or staged construction.
- 5.2 Land use permits other than those included in this proposal.
- 5.3 Work associated with the coordination, negotiation and/or procurement of easements (temporary or permanent) including research, computations and preparation of easement maps.
- 5.4 Bidding, construction administration or construction inspection services.
- 5.5 Provide services above and beyond those services specifically provided for in this proposal.

It is our understanding that you will cooperate with us in providing those items or services specifically listed herein as being necessary to the performance of our services, and to the extent feasible, furnish or loan to us reference material and all other information pertinent to the subject project that would be useful to us in performing our services. Specifically, you will provide and/or pay as Additional Services for the following:

Item A: Arrange for and provide access for us to enter upon the property, as necessary, for us to perform our services.

Item B: Application/permit/advertising fees.



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Item C: Services of a laboratory, biologist or other specialty consultant if required by agencies having jurisdiction.

Item D: Easement appraisal services, and easement grantor compensation.

We propose to provide our services for the following **Total Lump Sum Fee:**

<u>Professional Service or Expense</u>	<u>Engineering</u>	<u>Consultant or Other Expense</u>	<u>Task Total</u>
Task 1 – <i>Survey</i>			\$8,900
Engineering	\$300		
Soil Scientist		\$500	
Land Surveyor		\$8,100	
Task 2 – <i>Preliminary Design</i>			\$27,000
Engineering	\$19,500		
Geotechnical Report.....		\$7,500	
Task 3 – <i>Permits</i>			\$7,000
Engineering	\$7,000		
Task 4 – <i>Final Design</i>			\$42,100
Engineering	\$34,600		
Load Rating Engineer.....		\$7,500	
Totals			
	\$61,400	\$23,600	\$85,000
Total Lump Sum Fee			\$85,000

We propose to provide any other services, beyond the services defined in the tasks above, as authorized by the Town, on an hourly rate basis plus reimbursement for out-of-pocket expenses (with no mark-ups). These services will be billed as additional services and will not be included in the fees listed above. The additional services fee shall be based on the hourly rates listed below for the type of personnel involved in performing the service multiplied by the total hours devoted to performing said services by each type of personnel.



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2021 Hourly Rates for Services Rendered

<u>Personnel Category</u>	<u>Hourly Rate</u>
Principal Engineer	\$149/hr - \$156/hr
Senior Engineer	\$125/hr - \$129/hr
Staff Engineer	\$85/hr - \$101/hr
Geologist & Environmental Analyst	\$123/hr - \$133/hr
Construction Inspector	\$100/hr - \$114/hr
CADD Technician	\$98/hr - \$103/hr
Technical Assistant	\$62/hr

The hourly rates listed above shall remain in effect through the end of 2021. These rates shall be reviewed at the end of this and subsequent calendar years and, effective January 1 of every year thereafter, they will be adjusted to reflect current operating costs.

In providing services under this agreement, Nathan L. Jacobson & Associates, Inc. will endeavor to perform in a manner consistent with the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

If this proposal is acceptable to you, please sign the proposal and return a pdf of at least the signature page. This proposal is valid until December 31, 2021.

(The remainder of this page has been left blank intentionally)



Mr. Todd M. Penney, P.E., Town Engineer/Wetlands Agent
Town of Coventry

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We look forward to being of continued service to the Town of Coventry. If there are any questions, please feel free to contact me.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES, INC.

Digitally signed by J.
Howard Pfrommer, P.E.
Date: 2021.08.19
16:10:08 -04'00'

J. Howard Pfrommer, P.E.
Vice President

Accepted: Town of Coventry, Connecticut

By: _____
(Authorized signature)

(Please print)

Date: _____

JHP/jhp

cc: Cathie B. Couture, w/ encl.
Geoffrey L. Jacobson, P.E., w/o encl.
DocStar

J:\Proposals\2021 Proposals\2021-08-19 Broadway Culvert\08-19-2021 Penney.docx

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 09-PW-16

Project Name Mowers (fine cut)

Type Equipment

Department Public Works

Useful Life 10 years

Contact Public Works Director

Category Equipment - Ground Maintenanc

Priority 2 Very Important



Description

Total Project Cost: \$129,500

Replacement of Mowers on a scheduled basis.

Seeking small zero radius mower.

Justification

Mowers have an expected life of 7 to 10 years. Additional sports fields are planned to come on line will need more capacity. Next up is a 2013 FX26 followed by a 2016 FX32.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	16,000		16,500				32,500
Total	16,000		16,500				32,500

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund			16,500				16,500
Miscellaneous Highway Fund	16,000						16,000
Total	16,000		16,500				32,500

Budget Impact/Other

Additional mowing, and turf maintenance will be required.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	13-PW-05
Project Name	Open Space Stewardship

Type Maintenance	Department Public Works
Useful Life 10 years	Contact Public Works Director
Category Improvements - Not Building	Priority 3 Important

Description	Total Project Cost: \$50,000
Various projects to maintain open space including removal of invasives, path maintenance, blazing, harvesting and junk removal.	

Justification
creates safe areas and proper land stewardship.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		10,000		20,000			30,000
Total		10,000		20,000			30,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP		10,000		20,000			30,000
Total		10,000		20,000			30,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 13-PW-08

Project Name Guardrail

Type Improvement

Department Public Works

Useful Life 20 years

Contact Public Works Director

Category Infrastructure

Priority 3 Important



Description

Total Project Cost: \$115,000

Guardrail is a safety net against many fatal accidents. There are many areas without and some of the existing is damaged and in need of replacement.

Work includes Pucker St at culvert replacement.

Justification

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		20,000		10,000		10,000	40,000
Total		20,000		10,000		10,000	40,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP		20,000		10,000		10,000	40,000
Total		20,000		10,000		10,000	40,000

Budget Impact/Other

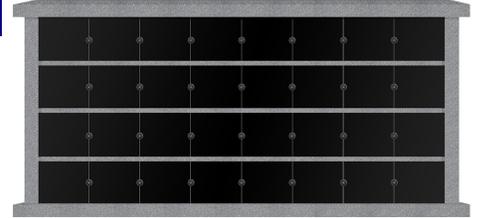
Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 14-PW-04
Project Name Cemetery Expansion/Improvements

Type Improvement **Department** Public Works
Useful Life **Contact** Finance Director
Category Land - Grounds Improvements **Priority** 3 Important



Description **Total Project Cost:** \$75,000

Expansion of the Coventry Cemetery on Main Street and repairs to the walls of Nathan Hale Cemetery.

A long term improvement plan is underway. We have recruited a Uconn Design class to fine tune our plans and include the new columbarium concept:

Phase 1: Survey and remonumenting-complete
 Phase 2: Parking and berming/wall repair (underway)
 Phase 3: Install Collumbarium for cremations
 Final phase: Grading, turf establishment and roadway enhancements, and new maintennce shed.

It is envisioned that \$15,000 can be raised by the sale of Cremain niches. (Assuming 64 units at 250 each)

Justification

Preparation works needs to be undertaken to assure the needs of the community are met.
 A smalll grant for wall work has been submitted.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	10,000		50,000				60,000
Total	10,000		50,000				60,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund			50,000				50,000
State/Federal Grant/Loan	5,000						5,000
Cemetery Fund	5,000						5,000
Total	10,000		50,000				60,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	14-PW-08
Project Name	WPCA Plant Modifications or Windham Connection

Type	Improvement	Department	Public Works
Useful Life	25 years	Contact	Public Works Director
Category	Wastewater	Priority	5 Future Consideration

Description	Total Project Cost: \$8,000,000
<p>WMC study called for either plant expansion or advanced treatment to remove nitrogen or abandoning the plant and extending to the Windham facility.</p> <p>Funding for a more comprehensive facilities plan was approved comparing options for improvements/expansion to existing plant to a forced Main connection to the Windham treatment plant. The Study will also look into future service areas.</p>	

Justification
<p>This may become a State order.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance					8,000,000		8,000,000
Total					8,000,000		8,000,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan					2,000,000		2,000,000
Bonding					6,000,000		6,000,000
Total					8,000,000		8,000,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 17-PW-01
Project Name Lake Management Projects

Type Maintenance **Department** Public Works
Useful Life **Contact** Town Planner
Category Water **Priority** 1 Critical



Description **Total Project Cost:** \$928,087

Several projects are required to assure the water quality and recreational value of our lakes.

Hydrilla: We are pausing on the lakewide Hydrilla treatment since it has been 2 years without finding any...however the Turions in the lake bottom can remain active or 7 years and Hydrilla is now active in other areas of the State and it may be reintroduced. Monitoring will be increased and we will respond with a spot treatments if found. The State has indicated that they hope to provide some Federal funds to assist our efforts.

The new concern was a blue green algae issue which broke out in August and caused a 3 week lake closure. A rapid response and monitoring program using volunteer testing and sampling is being developed.

We have three consultant on this project. NEAR will conduct required surveys, Solitude will provide treatment (if needed) and GZA will provide oversight.

Justification
 Our lakes are extremely important to our community and the quality affects recreation and property values.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	75,000	75,000	75,000	75,000			300,000
Total	75,000	75,000	75,000	75,000			300,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
General Fund	75,000	75,000	75,000	75,000			300,000
Total	75,000	75,000	75,000	75,000			300,000

Budget Impact/Other

Ecosystem Consulting
a Division of GZA GeoEnvironmental, Inc.
Cooperative Client Based Water Quality Monitoring Program



**Designed to Maximize Information and Minimize Costs by Utilizing
Client Based Data Collection**



Ecosystem Consulting
a Division of GZA GeoEnvironmental, Inc.

Ecosystem Consulting Service, INC - Client Based Water Quality Monitoring Program

The Client Monitoring Program is a cooperative study program where clients participate to gather information at lower cost. Client based monitoring programs can be an extremely useful tool for companies and communities to observe, understand, and protect surface water health and quality. Client monitoring requires minimal time and expense, yet provides essential information to make well guided management decisions. This program is designed to maximize collection of essential information on a water body at lower cost by providing the client with the tools necessary to collect data and samples themselves. Water quality observations can include Secchi disk readings, collection of water samples for analysis at a lab, temperature & dissolved oxygen readings using a profiling instrument, zooplankton sample collection, and algae sample collection.

Secchi disk readings provide information on water clarity in a water body. A Secchi disk is a circular weighted plate, 20cm in diameter, with an alternating pattern of black and white quadrants attached to a calibrated line. The disk is lowered into the water column until just out of sight, and the depth read at the water's surface on the calibrated line is the transparency reading. Water transparency is a quick and easy measurement that provides good information on a lake's water quality. First, it indicates the amount of light penetration into a lake. Second, Secchi transparency provides an indirect measure of the amount of suspended material in the water, which in many cases is an indication of the amount of algae in the water. Long-term transparency monitoring by volunteers provides a valuable basis for detecting trends in water quality. Generally, the sooner water-quality problems are detected, the easier and less expensive it is to restore the lake to its previous state.

Water, algae, and zooplankton samples would require analysis by a lab, but would provide more very valuable information. Water samples can provide essential information on the amount of turbidity, metals, and nutrients in a lake and their potential sources. The levels of turbidity, nutrients, and metals in a lake effect many things including the aquatic plant (weeds), algae, and zooplankton communities. It is important to monitor the changes in each of these components to develop a good understanding of how each of them affects the overall water quality of the lake. This information can also be used to help develop management programs to improve and correct any issues that may develop.

Temperature and dissolved oxygen readings by depth are a great monitoring tool to help understand how conditions in a lake change throughout the year. This information tells how much of the water column is oxygenated, and how strongly the water is stratified (layered) because of temperature differences in the water column. These data can be analyzed and used to make decisions and develop management strategies to improve water quality. These data are especially important in our changing climate.

Overall, client monitoring provides valuable information at low cost to help monitor, understand, and protect lake water quality. Information collected can be used to make management decisions and help educate the community on best practices to preserve the value and beauty of their lake.

Client Water Quality Monitoring Kits Offered by Ecosystem Consulting Service, Inc.

The program is customized for each client to suit the needs of Etc.

Basic Sampling Equipment

For basic monitoring and sampling. Includes:

1. Secchi disk with calibrated line
2. Temperature & dissolved oxygen probe
3. Water sampler
4. Water sample bottles
5. Cooler for samples with ice packs
6. Sampling Equipment Storage Bin
7. Data entry sheets (Field Data sheet and Reporting Worksheet Excel File)

Intermediate Sampling Equipment

For basic sampling with algae included. In addition to Basic Kit Includes:

1. Depth integrated algae “straw” sampler
2. Sample bottles for algae samples
3. Lugol’s Solution for algae sample preservation

Advanced Sampling Equipment

For complete sampling. In addition to Basic Kit Includes:

1. Depth integrated algae straw sampler
2. Zooplankton net sampler
3. Sample bottles for algae and zooplankton samples
4. Lugol’s Solution for zooplankton and algae sample preservation

Client Water Quality Monitoring Sampling Protocol

Step 1 – Conduct Temperature/Dissolved Oxygen Profile

1. Record personnel, sampling location, date, and weather conditions on Field Data Sheet.
2. Calibrate Temperature and Dissolved Oxygen probe according to instrument instructions
3. Lower probe and take first temperature and dissolved oxygen reading at 0.5m
 - i. Take second reading at 1m and remainder of readings at 1m increments
 - ii. Last reading should be taken 0.1m over bottom sediments
OR take readings at project specified depth increments
4. Allow the instrument to stabilize between readings
5. Record the data onto the Field Data Sheet and log the data in the display unit

Step 2 - Secchi Depth

1. Take reading on shady side of the boat to reduce glare
 - a. DO NOT wear sunglasses while taking reading
2. Lower disk until it disappears, then pull it slowly back up until you can just see the disk.
Record the average of those depths

Step 3 - Water Samples

For in lake sampling:

1. Engage Van Dorn bottle and lower into water column to desired depth
2. Drop messenger weight to trigger mechanism
3. Pull into boat and vent the sampler to fill the sample bottle
 - a. Rinse the sample bottle with sample water and fill
4. Place sample in cooler for temperature control
 - a. Sample bottle should have location, date, and sample depth recorded on it
5. Empty and reset Van Dorn bottle for remaining samples
6. Normally sample at 1m, middle depth, and 0.25m over bottom depth
 - a. Otherwise sample at project specified depths

For stream sampling:

1. Place open sample bottle in direct flow of stream and rinse out at least twice
2. Take sample from direct current of stream, being careful not to allow large debris to enter sample bottle.

Step 4 - Algae Sample

1. Slowly Lower algae straw to 5m allowing it to fill, or to just over bottom if water body is less than the 5m deep.
2. Crimp the hose tightly and quickly pull it in the boat placing the lower weighted end into the mixing container
3. Lift the crimped end of hose and release, allowing the water to flow into the container

4. Mix the water in the container and pour into the algae sample bottle
5. Add a full dropper (5-6mL) of Lugol's Solution to algae sample (to tea color)
6. Record location, date, depth of straw sample, and sample type (Algae Straw) on sample bottle
7. Record sample depth on sampling sheet

Step 5 - Zooplankton Sample

1. Make sure the hose on the zooplankton net end is crimped and secure
2. Lower the zooplankton net to 0.5 meters above the bottom sediment depth
3. Pull the net into the boat in a smooth, steady fashion
4. Wash the inside of the net with the wash bottle to get all of the debris into the end
5. Position the hose into the sampling bottle and uncrimp, allowing the sample to pass into the bottle
6. Preserve with Lugol's solution (to tea color)
7. Record location, date, depth of tow, and sample type (Zooplankton Tow) on sample bottle
8. Record sample depth on sampling sheet

Step 8 - Sample Delivery

1. Complete lab analyses sample parameter sheet Chain of Custody form
2. Deliver or ship samples to analytical lab
3. Record chain-of-custody information

Step 9 – Data Reporting

1. Enter all sampling data recorded into provided Reporting Worksheet (Excel File)
2. E-mail data worksheet to Ecosystem Consulting - GZA

Make sure that all appropriate sampling equipment is rinsed and stored properly after every use

Client Water Quality Monitoring Field Data and Reporting Worksheets

Data is entered into these worksheets and sent via email attachment to Ecosystem Consulting - GZA

CLIENT MONITORING FIELD DATA SHEET



**ECOSYSTEM CONSULTING
SERVICE, INC.**

Lake: _____

Station: _____

Date: _____

Time: _____

Stage: _____

Weather: _____

Personnel: _____

Depth	Temp (°C)	DO mg/L	DO %
0.5			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			

Secchi Reading:			
	First	Second	Average
Depth:			

Zooplankton Tow Depth:	_____
Algae Straw Depth:	_____

Notes/Observations:



Northeast Aquatic Research, LLC

74 Higgins Highway
Mansfield Center, CT 06250



February 2023

TO: Eric Trott, Town of Coventry Director of Planning and Development
FROM: George Knoecklein, PhD, Principal Limnologist

RE: Proposal for 2023 Aquatic Plant Surveying at Coventry Lake

Proposed Coventry Lake 2023 Hydrilla Management Survey and Reporting

- | | | |
|---|--|---------|
| 1 | Pre-treatment aquatic plant survey for <i>Hydrilla verticillata</i> , includes GIS mapping of invasive plant species and follow-up reporting of abundance of both native and invasive plants. Intensive survey will be performed over two to three days. | \$7,728 |
| 2 | Underwater SCUBA survey for Hydrilla plants and turions. This will be conducted if deemed necessary based on pre-treatment survey findings. All known historical Hydrilla locations will be searched for new growth and turions. | \$4,000 |
| 3 | Post-treatment aquatic plant survey. This full-lake survey includes GIS mapping of invasive plant species, mapping of abundance of native and other invasive species of interest, review of treatment effectiveness, and documentation of treatment impact on target and non-target species. | \$7,728 |
| 4 | Up to 12 hours of consulting time for project planning and community engagement. | \$1,980 |
| 5 | Year-end Hydrilla management report, to be delivered to the CT DEEP. This report will include all NDDDB permit requirements and any necessary formal revisions following DEEP review. | \$3,000 |

Total \$24,436

If you have any questions or concerns, please email me at gknoecklein@gmail.com or call (860) 465-6422 (cell).

Sincerely,
George Knoecklein

Coventry Lake Monitoring, esp. Cyanobacteria Alternative Approaches

All by GZA GeoEnvironmental

PROPOSED SCOPE OF SERVICES					
2023 Coop Monitoring Program		0			
				ProDays	Cost
	Number of Client Sampling	8		0	\$0.00
	Number of ECS-GZA Samplings	8		10	\$8,800.00
Sample Analysis Costs (Chemical):					
	Watershed Samples =				\$0.00
	Lake Samples =				\$3,137.50
	(some parameters only on selected samples)				
Sample Analysis Costs (Biological):					
	Phytoplankton analysis -@ One Sample per Lake Sampling				\$680.00
	Zooplankton analysis -				\$300.00
	Macrophyte Survey:	Qualitative Review	N/C	0	\$0.00
		Quantitative	NA		na
First Year CCMP Equipment and Labor Costs					To Be Determined
	<i>(Assumes Client has DO/Temp equipment)</i>				
	<i>To be developed for Ongoing Routine Annual Monitoring</i>				
			Est Hours	ProMandays	
Professional Services					\$15,200.00
Estimated Expenses:					
	Base Maps, Copying, Reprographic, etc.				\$0.00
	Field Supplies				\$50.00
		Est Miles RT	Trips		
	Travel	25	8		\$116.00
TOTAL ESTIMATED PROJECT COST AS DEFINED =					\$28,283.50

Client Sampling Program		Ecosystem Consulting - GZA			
	Client Sample	ECS-GZA		Professional Sampling	ECS, Inc. days
January			January	0	0
February			February	0	0
March		Training	March	1	1.25
April			April	1	1.25
May		With GZA	May	1	1.25
June			June	1	1.25
July		With GZA	July	1	1.25
August			August	1	1.25
September			September	1	1.25
October		With GZA	October	1	1.25
November			November	0	0
December			December		0

With a Volunteer Coop Monitoring Program

2023 Coop Monitoring Program		0		ProDays	Cost
	Number of Client Sampling		8	0	\$0.00
	Number of ECS-GZA Samplings		4	3	\$2,640.00
Sample Analysis Costs (Chemical):					
	Watershed Samples =				\$0.00
	Lake Samples =				\$3,137.50
(some parameters only on selected samples)					
Sample Analysis Costs (Biological):					
	Phytoplankton analysis -@ One Sample per Lake Sampling				\$680.00
	Zooplankton analysis -				\$300.00
	Macrophyte Survey: Qualitative Review	N/C		0	\$0.00
	Quantitative	NA			na
First Year CCMP Equipment and Labor Costs					To Be Determined
<i>(Assumes Client has DO/Temp equipment)</i>					
<i>To be developed for Ongoing Routine Annual Monitoring</i>					
			Est Hours	ProMandays	
Professional Services					\$15,200.00
Estimated Expenses:					
	Base Maps, Copying, Reprographic, etc.				\$0.00
	Field Supplies				\$50.00
		Est Miles RT	Trips		
	Travel	25	4		\$58.00
TOTAL ESTIMATED PROJECT COST AS DEFINED =					\$22,065.50

Client Sampling Program			Ecosystem Consulting - GZA		
	Client Sample	ECS-GZA		Professional Sampling	
					ECS, Inc. days
January			January	0	0
February			February	0	0
March	1	Training	March	1	0.75
April	1		April	0	0
May	1	With GZA	May	1	0.75
June	1		June	0	0
July	1	With GZA	July	1	0.75
August	1		August	0	0
September	1		September	0	0
October	1	With GZA	October	1	0.75
November			November	0	0
December			December		0
	8	0		Trips	Mandays

Amanda Backhaus

Subject: FW: [EXTERNAL] 2023 Treatment Estimates

From: Dominic Meringolo <dmeringolo@solitudelake.com>
Sent: Friday, January 27, 2023 2:05 PM
To: Eric Trott <etrott@coventryct.org>; John Elsesser <jelsesser@coventryct.org>
Subject: [EXTERNAL] 2023 Treatment Estimates

CAUTION: This email originated from outside of the Town of Coventry email system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Eric and John,

Sorry for the delay, but I wanted to get back to you with some price estimates for work at Coventry Lake this year.

\$500 - To file CT DEEP permit

If and when NEAR finds any Hydrilla, we can provide you with a firm quote. A couple examples are,

Treat 5-acres with Sonar herbicide: \$16,640

Treat 5-acres with Aquathol- K herbicide: \$11,760

It's difficult for us to provide a per acre cost, especially for the Sonar because we'll adjust the dose based on the size of the area needing treatment. And I would say the minimum area of treatment would be 5-acres. Even at 5 acres, we have to go at a really high dose to account for the dilution. I'm hoping we don't find any Hydrilla this year, but if we do I would lean toward using the aquathol-k herbicide.

Let me know if you have any thoughts on how to craft a contract. We can always just send a contract for the permitting now and send another one later if treatment is needed.

Thanks!

-Dominic

Dominic Meringolo
Project Manager
Senior Environmental Engineer

Amanda Backhaus

From: etrott@coventryct.org
Sent: Wednesday, February 1, 2023 11:00 AM
To: William.Foreman@ct.gov
Cc: John Elsesser; Amanda Backhaus; Debby@zep.net; Melinda Gosselin
Subject: RE: [EXTERNAL] Re: DEEP AIS grant

That is great news Bill – thank you! Yes, we intend to use the same consultant team – Solitude, NEAR. I have Solitude’s quote and am in need of NEAR’s. Would you like me to forward both to you when I have them – anything else I can provide you? Thank you very much for your support and assistance!

Eric M. Trott

Coventry Director of Planning and Development
(860) 742-4062

From: Foreman, William <William.Foreman@ct.gov>
Sent: Wednesday, February 1, 2023 10:45 AM
To: Eric Trott <etrott@coventryct.org>
Subject: [EXTERNAL] Re: DEEP AIS grant

CAUTION: This email originated from outside of the Town of Coventry email system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Eric,

I hope everything is well. Yes, the deadline passed. That being said, we've finally been updated (just yesterday) with the status of the federal ANS funds (that we had been using since Glad you emailed. 2016 to provide some funds and unfortunately couldn't access last summer. We should be able to provide up to 75% of the cost for this year's work (treatment, monitoring/surveys) as long as it's done using contractors on the state list (includes Solitude and a couple others, plus George's NEAR). We should start working on this sooner than later if possible.

Thanks,

Bill

William Foreman
860-424-3868
william.foreman@ct.gov
Fisheries Division
CT Department of Energy

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	21-PW-06
Project Name	Additional Infiltration Basins

Type	Equipment	Department	Public Works
Useful Life	50 years	Contact	Public Works Director
Category	Wastewater	Priority	2 Very Important

Description	Total Project Cost: \$200,000
The Treatment plant originally had 8 infiltration basins. We rotate the basins every week and typically dose 2 basins at a time with effluent.	

Justification
If the basins fill to the top and breach, the raw effluent will spill into the Willimantic River. Having 2 additional basins to discharge will allow more time to drain and dry so we can perform routine maintenance.
Project on hold until the on going study is completed and agreed upon.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance			200,000				200,000
Total			200,000				200,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Sewer Fund			200,000				200,000
Total			200,000				200,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project # 21-PW-07
Project Name Community Connectivity Sidewalk Extension

Type Improvement **Department** Public Works
Useful Life 25 years **Contact** Public Works Director
Category Infrastructure **Priority** 2 Very Important

Description **Total Project Cost:** \$900,000
Extend the Community Connectivity sidewalk being installed on Main Street from the area of Winterberry Lane to Daly Road.

Justification
This will connect the sidewalk system to Daly Road to Winteberry.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		900,000					900,000
Total		900,000					900,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan		900,000					900,000
Total		900,000					900,000

Budget Impact/Other

The Town of Coventry is requesting consideration of Community Projects Funding under Highway and Transit Project Requests for Main Street Sidewalk Project – Final Extension. This project will allow further progress on a decade-long process of making our rural roads safer for pedestrians and bicyclists. In a nutshell, this project envisions building a sidewalk along Main Street (CT Route 31) from the intersection of Daly Road to the intersection of Cheney Lane.

Let me walk you through this sidewalk proposal step by step. The Town recognized the need to increase public safety as traffic volume and speeds increased. We established a goal to balance the needs for sidewalks and our rural character, and developed a plan to interconnect our major schools and public facilities. We have been successful using various State and Local funding and are on the home stretch for achieving our plan. This is the last leg on a State road (see plan).

Main Street (Rt. 31) has an average daily traffic count of 8800 cars. In June of 2016 the Town, working with the Connecticut Department of Transportation and their consultant AECOM, conducted a Road Safety Audit under the Community Connectivity Program (see the audit report at <https://www.coventryct.org/DocumentCenter/View/5039/Community-Connectivity-Sidewalk-Study-2016-08-26-report-Coventry-final>). The study reviewed the section of Main Street from Daly Road to Hemlock Point Road to interconnect the high school/middle school complex and our current sidewalk network to Coventry Village (including the Booth & Dimock Memorial Library), to Lake/Cross Street to connect to Patriots Park and Robertson School along South Street, and along South Street where it currently ends just past Daly Road.

Please note that this summer we have funding and construction planned to extend further up South Street to reach the Coventry Farmers' Market, and more importantly, using the Road Safety Audit report we received a Community Connectivity grant to extend the Main Street sidewalks from Hemlock to Cheney Lane.

We are now seeking funding from the Community Projects Funding for the final leg from Cheney to Daly. This is a very important connection. Contained in this segment is Lisicke Beach/Park which includes swimming, basketball, and a playscape. It is a very active park with a lot of our younger folks walking/biking to use the facilities. Toward the Daly Road end, the Waterfront Heights Association has a beach/boat launch and picnic area for their association members, which also generates a lot of foot and bike traffic. (See photos)

The 2019 State Road Safety Audit makes the following recommendations:

"4.3 Long Term

1. Install sidewalks along the south side of Route 31 from Daly Road to Ripley Hill (Hemlock) that are 5.5 feet wide with a 4 foot shoulder and drainage (curtain drains) as needed..."

Since we were able to obtain funding to get part way, we are seeking the balance requested to get to Daly to implement this recommendation. It should be noted in addition to the planned sidewalk construction, we are expecting the installation this month of a solar-powered crosswalk beacon at the intersection of Main Street and Ripley Hill/Hemlock to make crossing Rt. 31 safer for pedestrians, particularly students walking to Coventry High School on Ripley Hill Road.

Our local Plan of Conservation and Development, updated last year, also addresses sidewalks, specifically it calls out in future plans for:

“Extending the Main Street sidewalks from the high school to Lisicke Beach with an additional connection to Daly Road.”

This is to assist in accomplishing the plan’s goals to:

- “Increase the number of trips made by foot and bicycle for both transportation and recreation.
- Make pedestrian use and bicycling safer and more convenient for residents and visitors.”

We believe that we have proven that this project is a long-standing plan based on community needs and safety concerns. It is working toward improving community safety for pedestrian and bicyclists, and as the letters of support indicate, has broad community backing. While it is not currently on the State Transportation Plan (STIP), in the Capitol Region Council of Governments (CRCOG) endorsement letter, they state that they believe it will be an easy addition given the State Safety Audit Report. CRCOG serves as the MPO for our region.

We are respectfully requesting your support in making our community safer for pedestrians and bicyclists. We hope that we will receive favorable consideration, and stand ready to answer any questions which arise.

Construction estimate of Sidewalks from Hemlock to Daley as proposed by the Road Safety audit and cost break out for the Cheney Lane to Daly Road for consideration under the Federal Community Project Funding Program.

Item No.	Item	Unit	Unit Cost	Quantity	Total Cost
201001	CLEARING AND GRUBBING	LS	\$ 50,000.00	1	\$ 50,000.00
0201501	RESET MAILBOX	EA	\$ 100.00	11	\$ 1,100.00
0201501	RESET MAILBOX	EA	\$ 100.00	15	\$ 1,500.00
0202000	EARTH EXCAVATION	CY	\$ 25.00	1100	\$ 27,500.00
0202100	ROCK EXCAVATION	CY	\$ 60.00	220	\$ 13,200.00
0202529	CUT BITUMINOUS CONCRETE PAVEMENT	LF	\$ 3.00	3350	\$ 10,050.00
0202529	CUT BITUMINOUS CONCRETE PAVEMENT	LF	\$ 3.00	1056	\$ 3,168.00
0207000	BORROW	CY	\$ 25.00	300	\$ 7,500.00
0209001	FORMATION OF SUBGRADE	SY	\$ 4.00	350	\$ 1,400.00
0212000	SUBBASE	CY	\$ 45.00	150	\$ 6,750.00
0213100	GRANULAR FILL	CY	\$ 55.00	500	\$ 27,500.00
0219001	SEDIMENTATION CONTROL SYSTEM	LF	\$ 5.83	2250	\$ 13,117.50
0219001	SEDIMENTATION CONTROL SYSTEM	LS	\$ 50,000.00	1	\$ 50,000.00
0219011	SEDIMENT CONTROL SYSTEM AT CATCH BASIN	EA	\$ 149.58	3	\$ 448.74
0406170	HMA S1.0	TONS	\$ 110.00	70	\$ 7,700.00
0406171	HMA S0.5	TONS	\$ 125.00	60	\$ 7,500.00
0406171	HMA S0.5	TONS	\$ 125.00	400	\$ 50,000.00
0406236	MATERIAL FOR TACK COAT	GAL	\$ 8.50	75	\$ 637.50
0506090A	FIELDSTONE RETAINING WALL	LF	\$ 150.00	390	\$ 58,500.00
	MODULAR CONCRETE BLOCK WALL	SF	\$ 80.00	4000	\$ 320,000.00
0586001.1	TYPE "C" CATCH BASIN - 0' - 10' DEEP	EA	\$ 3,500.00	1	\$ 3,500.00
0586001.1	TYPE "C" CATCH BASIN - 0' - 10' DEEP	EA	\$ 3,500.00	5	\$ 17,500.00
0686000.15	15" R.C. PIPE - 0' - 10' DEEP	LF	\$ 69.18	25	\$ 1,729.50
0686000.15	15" R.C. PIPE - 0' - 10' DEEP	LF	\$ 69.18	100	\$ 6,918.00
0811001	CONCRETE CURBING	LF	\$ 42.54	250	\$ 10,635.00
0815001	BITUMINOUS CONCRETE LIP CURBING	LF	\$ 8.80	2700	\$ 23,760.00
0815001	BITUMINOUS CONCRETE LIP CURBING	LF	\$ 8.80	1056	\$ 9,292.80
0910007A	CONNECT TO EXISTING GUIDE RAIL	EA	\$ 700.00	1	\$ 700.00
0910300	METAL BEAM RAIL (R-B MASH)	LF	\$ 23.60	40	\$ 944.00
0910300	METAL BEAM RAIL (R-B MASH)	LF	\$ 23.60	900	\$ 21,240.00
0906203A	6' VINYL SHADOWBOX FENCE	LF	\$ 50.00	250	\$ 12,500.00
0906203A	6' VINYL SHADOWBOX FENCE	LF	\$ 50.00	1000	\$ 50,000.00
0906204A	WOOD POST AND RAIL FENCE	LF	\$ 44.00	140	\$ 6,160.00
0908001	FARM WALL FENCE	LF	\$ 130.00	210	\$ 27,300.00
0921005	CONCRETE SIDEWALK RAMP	SF	\$ 21.20	400	\$ 8,480.00
0921005	CONCRETE SIDEWALK RAMP	SF	\$ 21.20	100	\$ 2,120.00
0922001	BITUMINOUS CONCRETE SIDEWALK	SY	\$ 58.20	1850	
0922001	BITUMINOUS CONCRETE SIDEWALK	SY	\$ 58.20	3240	\$ 188,568.00
0922501	BITUMINOUS CONCRETE DRIVEWAY	SY	\$ 50.00	350	\$ 17,500.00
0944000	FURNISHING AND PLACING TOPSOIL	SY	\$ 7.00	2600	\$ 18,200.00
0944000	FURNISHING AND PLACING TOPSOIL	SY	\$ 7.00	5200	\$ 36,400.00
0949003	FURNISHING, PLANTING, AND MULCHING TREES, SHRUBS, VIN	LS	\$ 10,000.00	1	\$ 10,000.00
0949003	FURNISHING, PLANTING, AND MULCHING TREES, SHRUBS, VIN	LS	\$ 40,000.00	1	\$ 40,000.00
0950005	TURF ESTABLISHMENT	SY	\$ 2.49	2600	\$ 6,474.00
0950005	TURF ESTABLISHMENT	SY	\$ 2.49	5200	\$ 12,948.00
1131005A	LED RADAR SPEED SIGN	EA	\$ 5,000.00	1	\$ 5,000.00
1206013	REMOVAL OF EXISTING SIGNING	LS	\$ 5,000.00	1	\$ 5,000.00
1206013	REMOVAL OF EXISTING SIGNING	LS	\$ 5,000.00	1	\$ 5,000.00
1210101	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	LF	\$ 0.57	3300	\$ 1,881.00
1210105	EPOXY RESIN PAVEMENT MARKING SYMBOLS & LEGENDS	SF	\$ 3.62	300	\$ 1,086.00
1210106	12" WHITE EPOXY RESIN PAVEMENT MARKINGS	LF	\$ 4.95	50	\$ 247.50
1211001	REMOVAL OF PAVEMENT MARKINGS	SF	\$ 1.52	1000	\$ 1,520.00
Major Items Total					\$ 1,460,175.54

CLEARING AND GRUBBING	LS	5%	\$ 73,008.78
MOBILIZATION	LS	5%	\$ 73,008.78
CONSTRUCTION STAKEOUT	LS	2%	\$ 29,203.51
Minor Items 10%			\$ 146,017.55

TOTAL \$ 1,781,414.16

MINUS Hemlock to Cheney (\$400,000.00)

\$1,381,414.00

10% Engineering 138,141.00

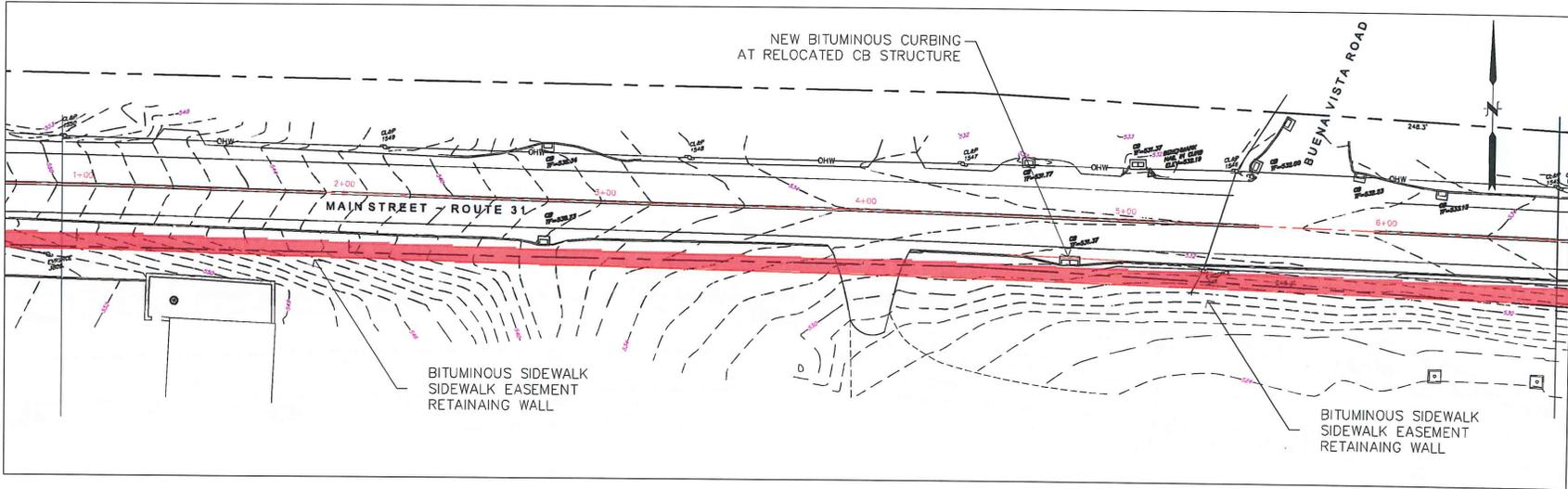
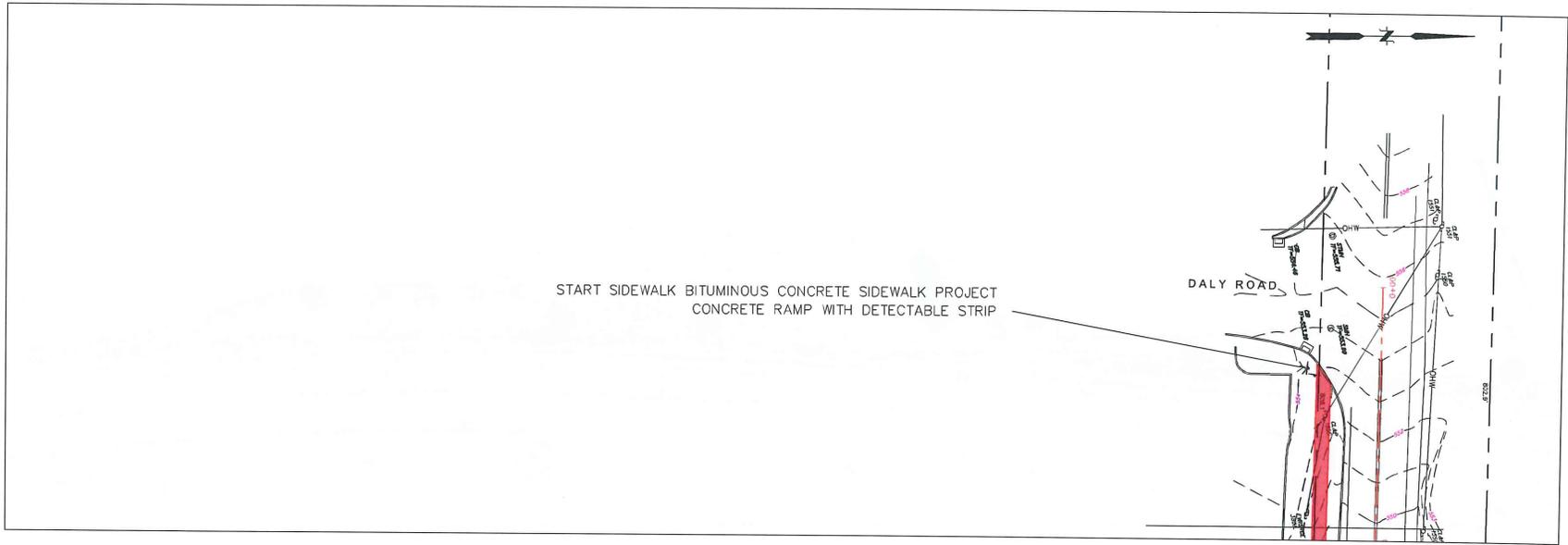
\$1,519,555.00

Say +/- \$1,500,000

Federal 80% \$1,200,000

Town 20% \$300,000

Note: the Hemlock to Cheney is a separate project funded by CT Community connectivity grant. While it will about the Federal Community projects funding request it does not overlap and the State project will not be used as a match. The State funded project is envisioned to be constructed the summer of 2021.



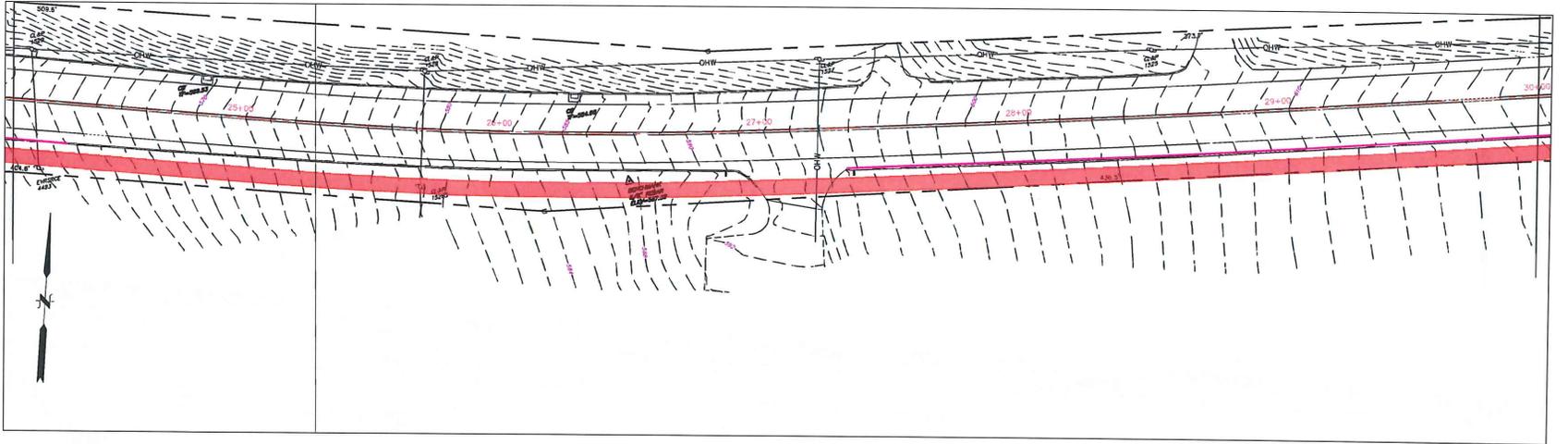
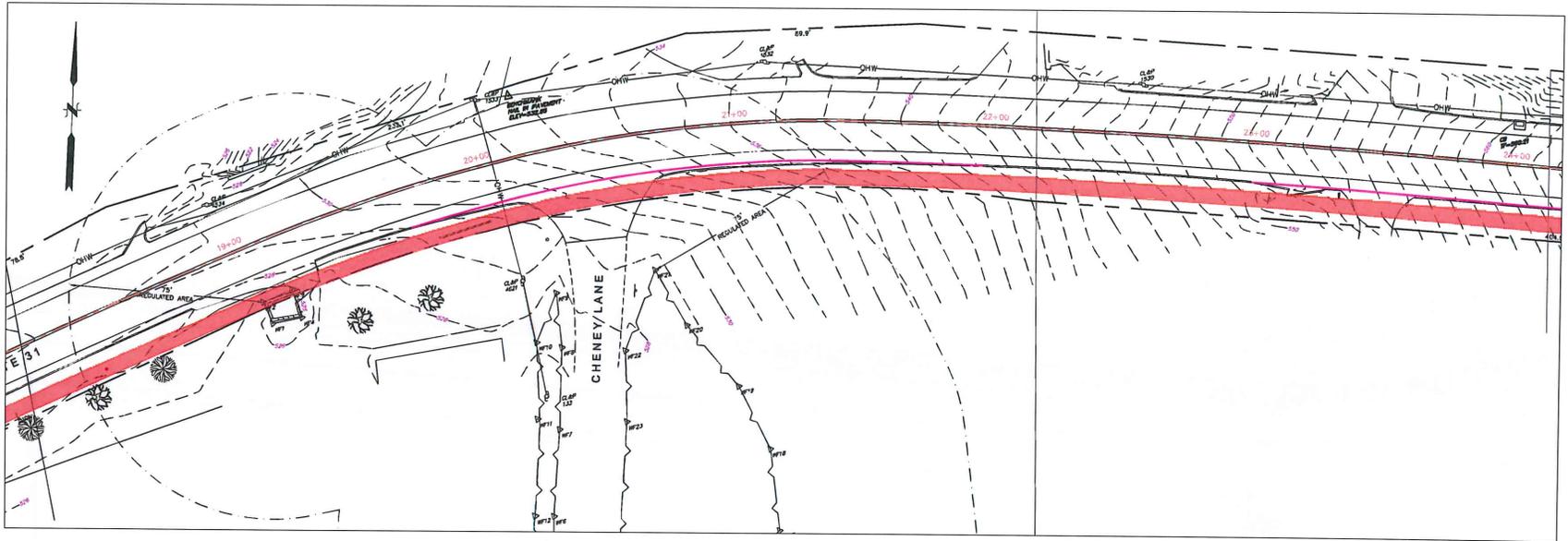
MAP REFERENCES:
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SCALE: 1" = 20'		REVISIONS		SEAL	TOWN OF COVENTRY	OFFICE OF THE TOWN ENGINEER 172 Main Street Coventry, CT 06238
HORIZ.	VERT.	NUM.	DATE			
DATUM:		COMMENT				
GRAPHIC SCALE						

PROJ. No. APRIL 9, 2021
DATE

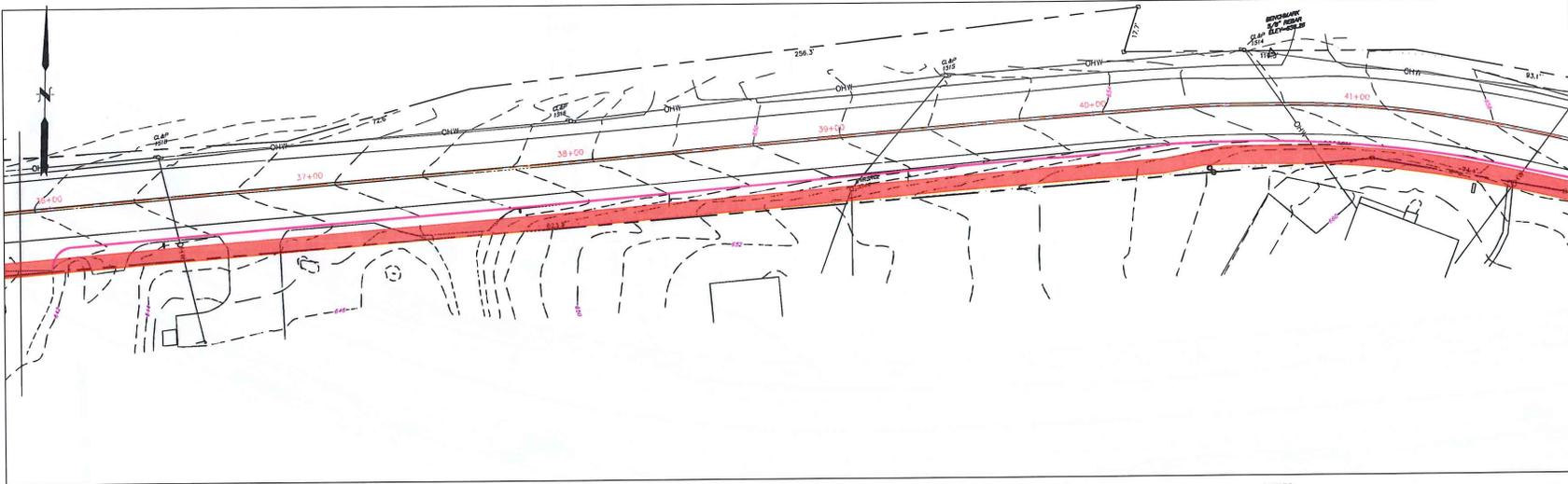
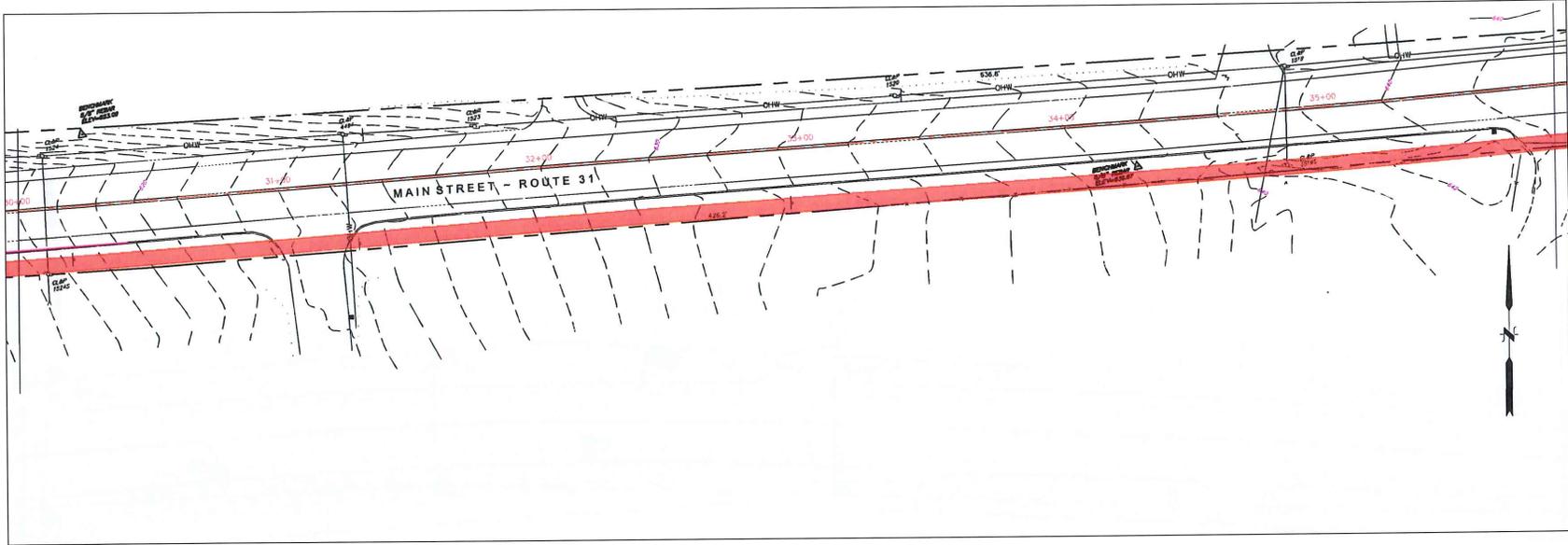
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MAP REFERENCES:
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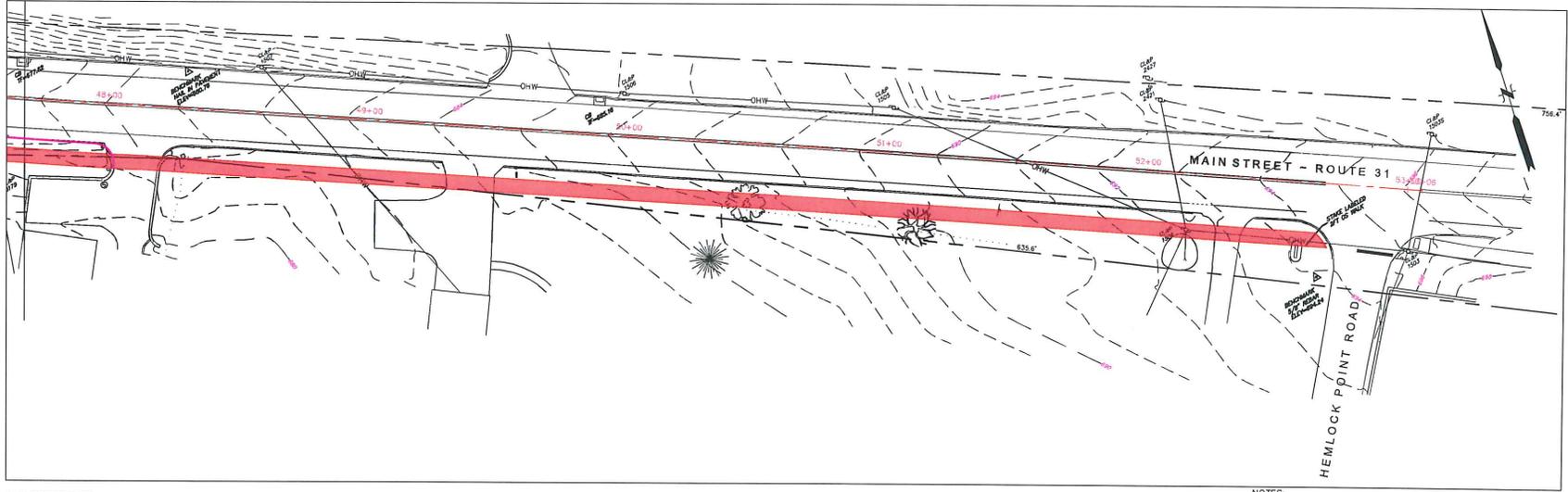
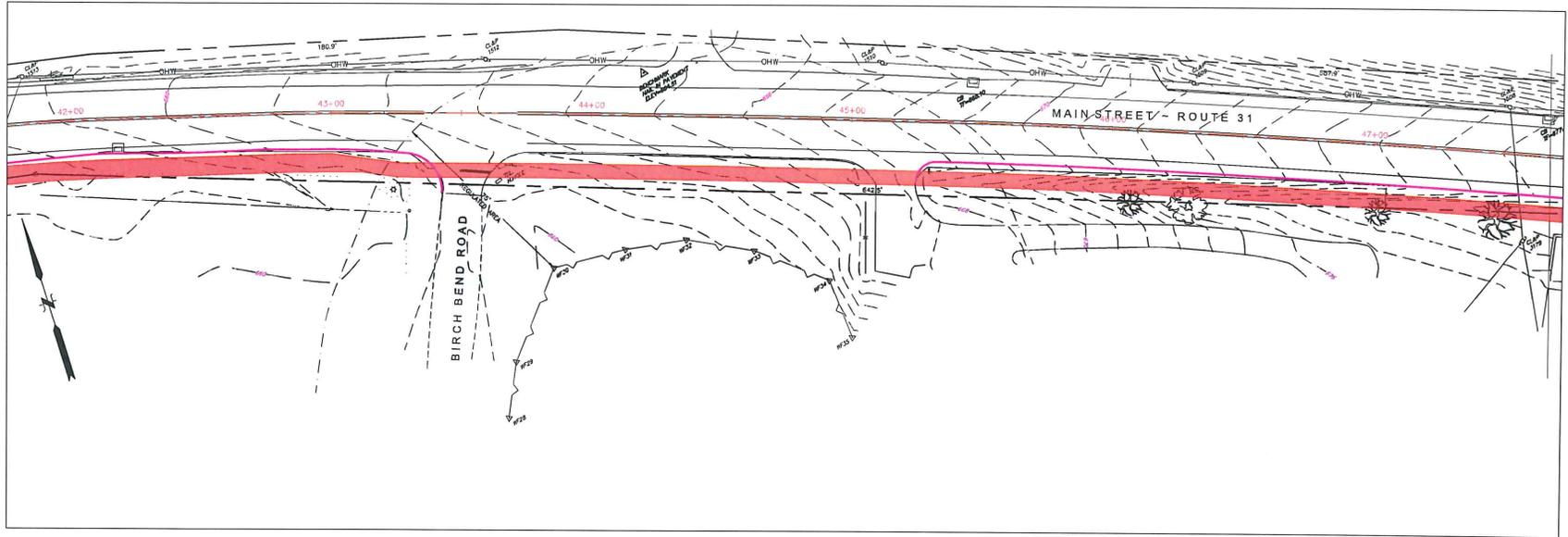
SCALE: 1" = 20'		REVISIONS		TOWN OF COVENTRY	
DATE	BY	NO.	DATE	NO.	DATE
COMMENT		SOIL		TOWN OF COVENTRY	
				MAIN STREET SIDEWALK EXTENSION	
				DAILY ROAD TO HEMLOCK POINT ROAD	
				Coventry, Connecticut	
				OFFICE OF THE TOWN ENGINEER	
				171.2 Main Street • Coventry, CT 06238	
				Coventry	
				PROJ. No.:	
				DATE: APRIL 9, 2021	
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MAP REFERENCES:
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SCALE: 1" = 20'		SCALE: 1" = 20'	
HORIZ. SCALE		VERT. SCALE	
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TOWN OF COVENTRY		TOWN OF COVENTRY	
MAIN STREET SIDEWALK EXTENSION		MAIN STREET SIDEWALK EXTENSION	
DALY ROAD TO HEMLOCK POINT ROAD		DALY ROAD TO HEMLOCK POINT ROAD	
Coventry, Connecticut		Coventry, Connecticut	
OFFICE OF THE TOWN ENGINEER		OFFICE OF THE TOWN ENGINEER	
1713 Main Street • Coventry, CT • 06238		1713 Main Street • Coventry, CT • 06238	
PRJ. No. _____		PRJ. No. _____	
DATE: APRIL 9, 2021		DATE: APRIL 9, 2021	
C-04		C-04	



MAP REFERENCES:
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SCALE	1" = 20'
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BY	DATE
CHKD.	DATE
APP.	DATE
DATE	

TOWN OF COVENTRY
OFFICE OF THE TOWN ENGINEER
1712 Main Street - Coventry, CT 06238

TOWN OF COVENTRY
MAIN STREET SIDEWALK EXTENSION
DAILY ROAD TO HEMLOCK POINT ROAD
Coventry, Connecticut

PROJ. No.
DATE: APRIL 9, 2021

C-05

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	21-PW-09
Project Name	Daly Road Safety Improvements

Type	Improvement	Department	Public Works
Useful Life	30 years	Contact	Public Works Director
Category	Street Reconstruction	Priority	2 Very Important

Description	Total Project Cost: \$3,000,000
<p>Under the LOTCIP grant program, make several safety improvements to Daly Road. This includes improving the vertical site line on Daly in the vicinity of Lake Rd and Knollwood Road. Also to improve the horizonatl allignment west of Standish to cut back ledge/bank. Mill and pave for whole road is envisioned.</p> <p>Project will also install sidewalks from Main Street to Wagumbaug to complete the sidewalk loop around the whole lake. Adding sidewalks adds bonus points for grant scoring.</p>	

Justification
Significant safety improvements envisioned.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	3,000,000						3,000,000
Total	3,000,000						3,000,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan	3,000,000						3,000,000
Total	3,000,000						3,000,000

Budget Impact/Other

DALY ROAD ROADWAY AND PEDESTRIAN IMPROVEMENTS – Phase 2



Town Council Meeting – Tuesday, February 21, 2023

**Town of Coventry
Office of the Town Engineer**



LOTICIP GRANT OVERVIEW

LOTICIP is an acronym for Local Transportation Capital Improvement Program. This Program is funded by the State Bonding Commission and gets administrated by the Regional Council of Governments. Which in Coventry's case is the Capital Region (CRCOG).

Only Urban Collector Roads are considered eligible for LOTICIP funds for road way improvements. Daly Road was classified as an Urban Collector in 2019 by the Town through an approval process with Federal Highway Administration and Connecticut Department of Transportation.

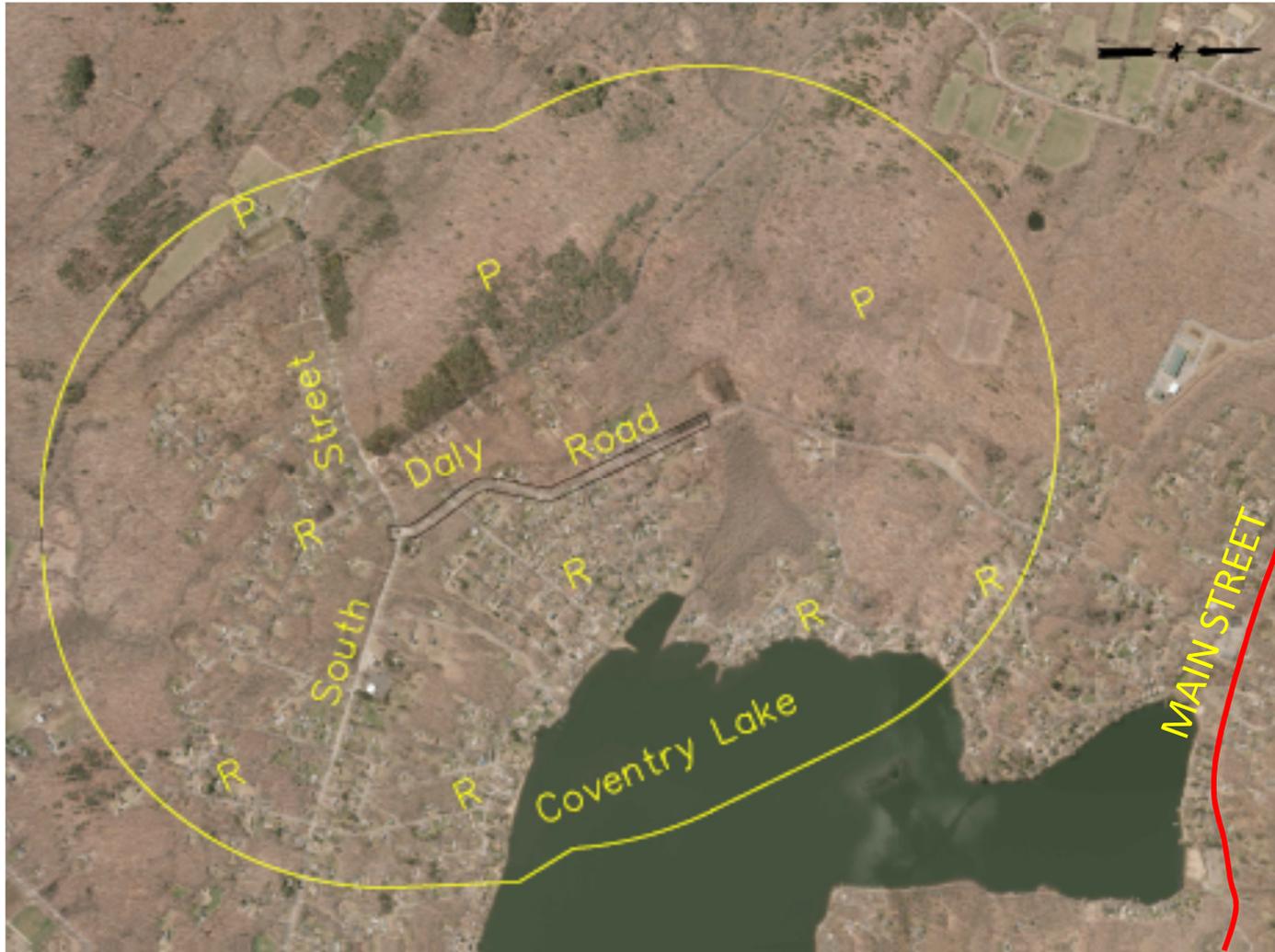
The Program funds cover 100% of all Construction Cost (Contract Plus 10% Contingencies & 10% Incidentals) and Right of Way Costs. The Program makes the Towns responsible for all pre-construction costs (Engineering, surveying, Wetland Delineations, Construction Documents, Bidding, etc.)

The Town has received 6 Grant Projects to date. This Daly Road Phase 2 Application would be the seventh (7th) since 2014. The list of Projects are as follows:

Coventry LOTCIP Projects

Application Year	Project Name	Construction Year	Construction Values	Design/Const. Docs Values
2014	L032-0001 - Lake St/Cross St Roadway Improvements	2017	\$1,084,200 (Total)	\$110,700
2017	L032-0002 - Folly Lane Bridge Replacement	2020-21	\$ 1,265,600 (Total)	\$118,900
2018	L032-0003 - Swamp Road at Boston Tnpk. (CT 44)	2022	\$ 2,102,700 (Total)	\$ 136,700
2018	L032-0004 – South Street Roadway and Pedestrian Improvements	2022	\$ 1,864,500 (Total)	\$ 110,000
2020	L032-0005 – Swamp & South Streets Roadway Improvements	2023	\$ 2,419,000 (Con) \$ 241,900 (Cont.) \$ 241,900 (Inc.) <u>\$ 58,700 (ROW)</u> \$ 2,961,500 (Total)	\$200,000
2022	L032-0006 – Daly Road Roadway and Pedestrian Improvements	Totals:	\$ 2,570,000 (CON) \$ 257,000 (CONT) \$ 257,000 (INC.) <u>\$ 90,500 (ROW)</u> \$ 3,174,500 (TOTAL)	\$ 200,000
		Totals:	\$ 12,453,000	\$ 876,300

Project Location Map



Town of Coventry
Office of the Town Engineer



Project Overview

Daly Road Phase 2 LOTCIP Application will look to continue the approved 2022 LOTCIP improvements to its terminus roundabout intersection with South Street. Minor roadway geometry, intersection modifications, drainage infrastructure and add a stand only sidewalk are the main components along with an uniformed road corridor.

A. Horizontal Geometry



Curve NW of Wangumbaug Drive
(Looking NW)



Curve at Mink Trail
(Looking Northerly)

Town of Coventry
Office of the Town Engineer



Project Overview: Improvements

Daly Road Phase 2 LOTCIP Application will look to address the following:

A. Roadway Geometry: Continued:

Intersection Improvements



Beaver Trail Intersection

Town of Coventry
Office of the Town Engineer



Project Overview: Improvements

Daly Road Phase 2 LOTCIP Application will look to address the following:

B. Drainage Improvements: There is one (1) primary existing drainage outfall within the project limits that the Grant Application will look to improve. These improvements will include but not limited to the following:

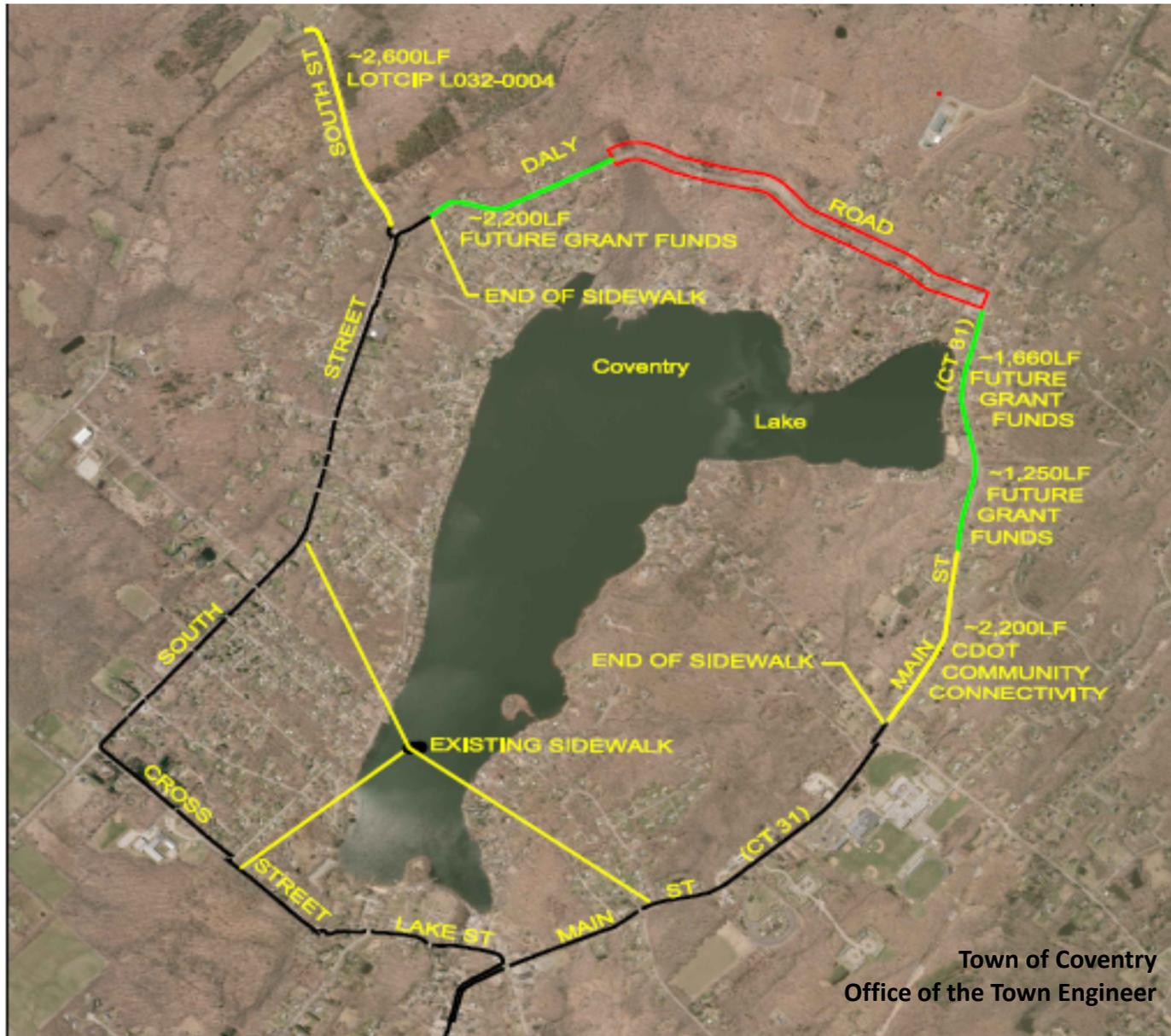
- Additional catch basin structures and pipes to improve stormwater collection
- Outfall improvements including Stormwater Quality Basin to control discharge velocities to prevent downstream erosion and improve water quality.
- Promote infiltration for stormwater quality.

C. Pedestrian Facilities: The project will look to add a 5.5' bituminous concrete sidewalk along the easterly side of the road. Daly Road makes up the fourth leg of the Planned Sidewalk that will encompass Coventry Lake; which houses Coventry's most-dense residential areas. See Map on next slide.

Town of Coventry
Office of the Town Engineer



Project Overview: Sidewalk Overview Map



Town of Coventry
Office of the Town Engineer



Project Overview: Right of Way

Daly Road Phase 2 LOTCIP Application Right of Way (ROW) Impacts:

This project will have modest ROW impacts

Drainage Easements will be required and/or modified at the existing drainage outfall. The new/modified drainage easement will be obtained for the Stormwater Quality Basin near the northerly limits of the project. (Station 0+00)

Easements for Highway Purposes will be sought for two (2) properties:

@ 657 Daly Road (Station 19+50) where the existing road encroaches the property. The proposed road will be shifted to the south and west to accommodate the new sidewalk. Area of encroachment is ~ 693SF

@ 556 Daly Road (Station 7+00) where the new curb radii has a minor encroachment onto the property. Area of encroachment is ~65 SF

Town of Coventry
Office of the Town Engineer



Project Overview: Projected Costs & Schedule

Project Costs:

~2,700LF of Roadway reconstruction, Drainage and sidewalk improvements:

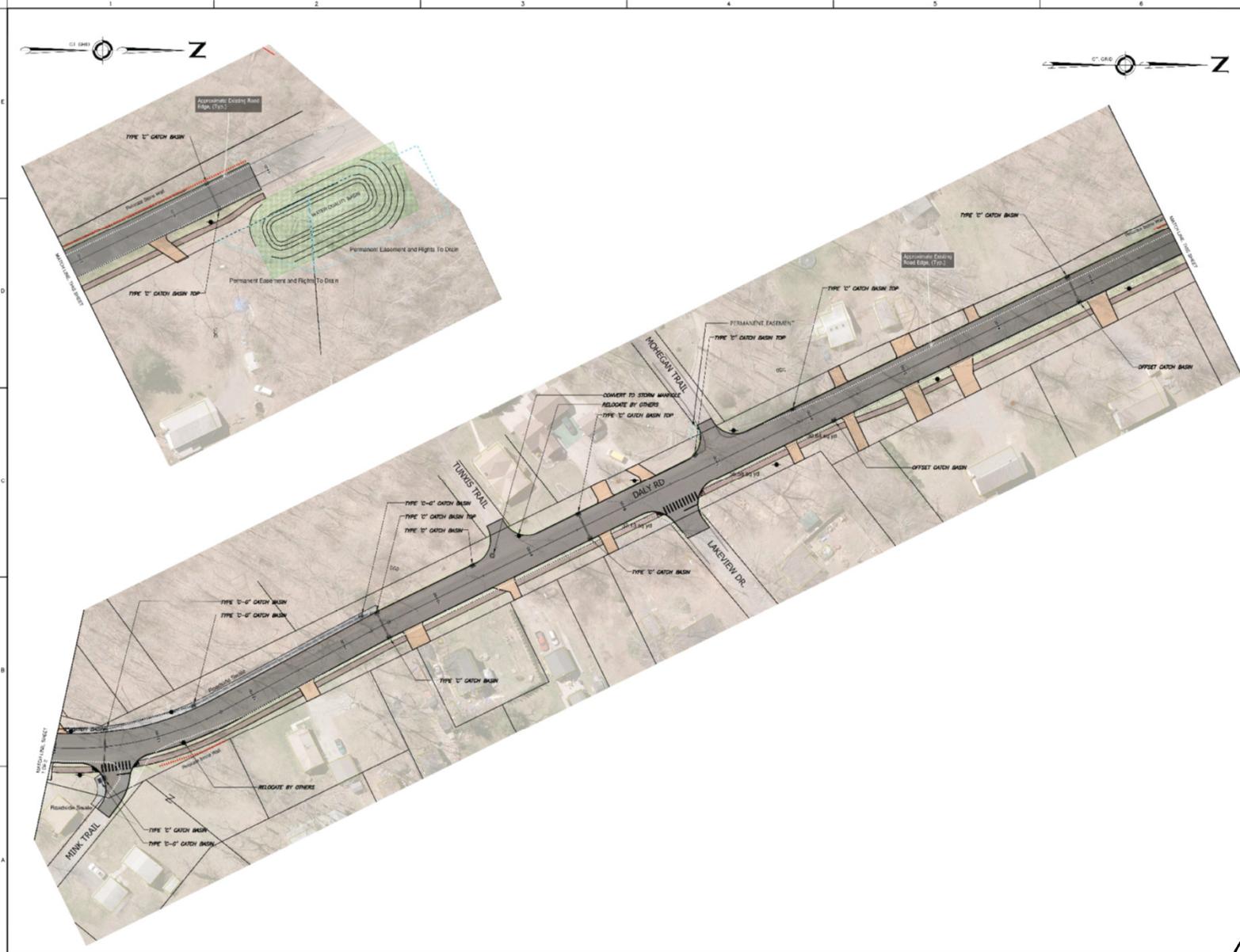
Construction Items:	\$ 2,494,000
Contingencies (10%):	\$ 249,400
Incidentals (10%):	\$ 249,400
Right of Way:	\$ 20,000
Total:	\$ 3,012,800
Projected Design Fees:	\$170,000 to \$200,000

Projected Schedule

Application Submittal:	February 22, 2023
CRCOG Endorsement:	May 2023
CDOT Commit to Fund:	October 2023
Start Design:	November 2023
Public Involvement:	February 2024
Construction Docs:	October 2024
Advertise:	December 2024
Construction:	April 2025

Town of Coventry
Office of the Town Engineer





- NOTES**
1. GENERAL NOTES: SEE ALL OTHER PLANS FOR DETAILS.
 2. FURNISH UPPER CASE TEXT IDENTIFIERS PROPOSED FEATURES/CONDITIONS UNLESS OTHERWISE SPECIFIED.
 3. LOCATION OF UNDERGROUND ELECTRIC, TELEPHONE, GAS CABLE TRAYS AND OTHER FACILITIES OF PUBLIC UTILITY COMPANIES: INDICATE ON THIS DRAWING FOR THE CITY OF COVENTRY.
 4. CONSTRUCTION ACTIVITIES ARE LIMITED TO THE MAIN ROUTE IN TOWN'S OWN UNLESS SPECIFIED OTHERWISE.

THIS DRAWING IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS APPROVED BY THE TOWN ENGINEER. SCALE: 1" = 40'

**DALY ROAD
COVENTRY,
CONNECTICUT**

SITE LAYOUT PLAN

CONCEPTUAL

THIS DRAWING IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS APPROVED BY THE TOWN ENGINEER.

Nathan L. Jacobson & Associates, Inc.
 88 Main Street, P.O. Box 237
 Coventry, Connecticut 06422-0237
 Tel: (860) 526-3591 Fax: (860) 526-5418
 www.nla.com
 JACOBSOHN Consulting Civil and Environmental Engineers Since 1972

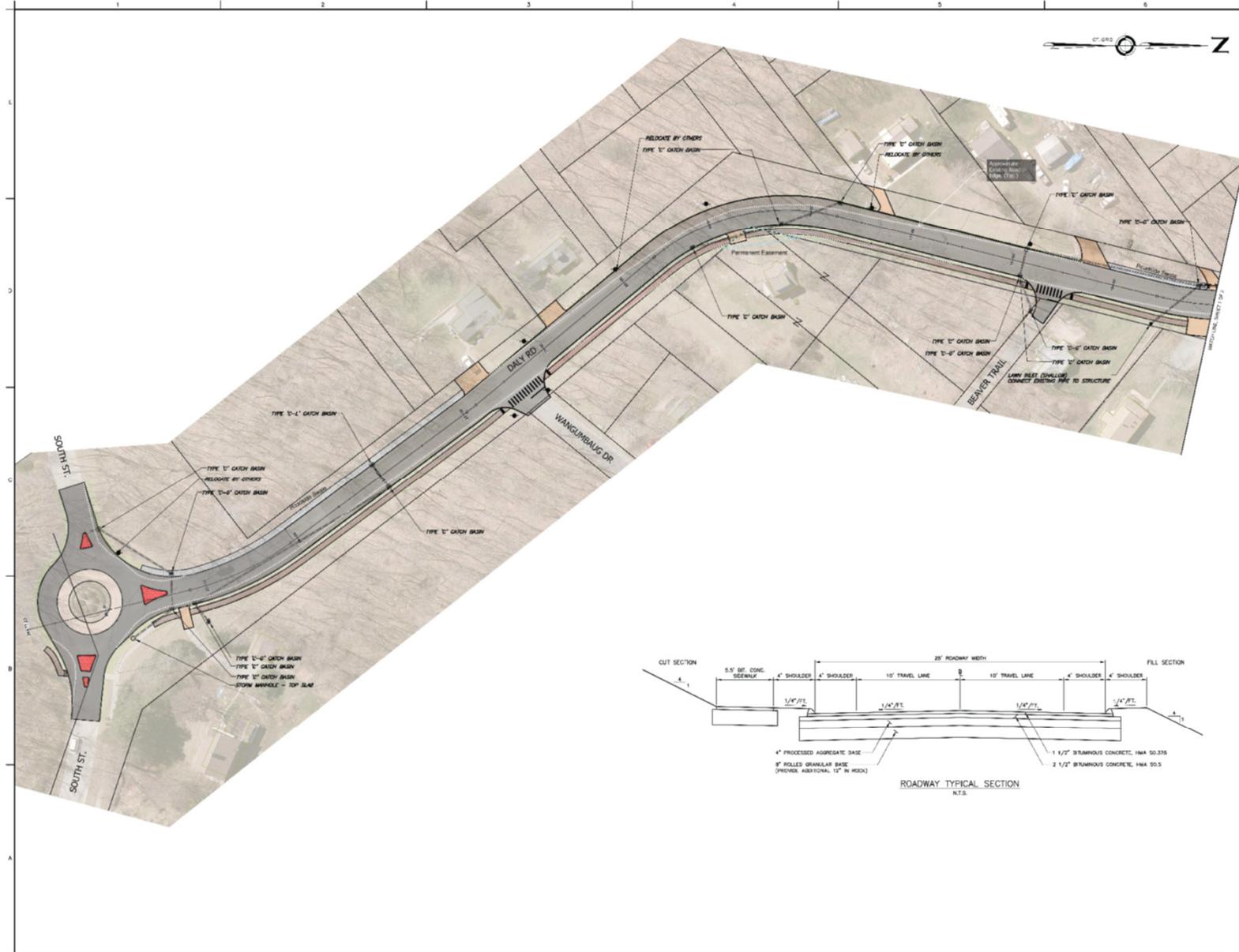


REVISIONS

NO.	DESCRIPTION	DATE

**Town of Coventry
Office of the Town Engineer**





- NOTES**
1. All Utilities - Meter Closes Must be installed in existing manholes.
 2. ALL UTILITIES - ALL UTILITIES SHALL BE INSTALLED IN EXISTING MANHOLES UNLESS OTHERWISE SPECIFIED.
 3. FOR LOCATION OF - GAS, TELEPHONE, CABLE, TELEPHONE, GAS, CABLE TV AND OTHER FACILITIES OF PUBLIC UTILITY COMPANIES, REFER TO "CALL BEFORE YOU DIG" AT 1-800-832-4425.
 4. ALL UTILITIES - ALL UTILITIES SHALL BE INSTALLED IN EXISTING MANHOLES UNLESS OTHERWISE SPECIFIED.

THIS DRAWING IS TO BE USED FOR PERMITS. IN THE FIELD, IT SHALL BE USED ONLY AS A GUIDE TO THE FIELD FOR CONSTRUCTION.

GRAPHIC SCALE
1" = 40' HORIZ. SCALE
1" = 10' VERT. SCALE

**DALY ROAD
COVENTRY,
CONNECTICUT**

SITE LAYOUT PLAN

CONCEPTUAL

NOT A CONTRACT DOCUMENT. THIS DRAWING IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR PERMITS. IT IS THE RESPONSIBILITY OF THE USER TO OBTAIN ALL NECESSARY PERMITS AND TO VERIFY ALL UTILITIES AND FACILITIES OF PUBLIC UTILITY COMPANIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND TO VERIFY ALL UTILITIES AND FACILITIES OF PUBLIC UTILITY COMPANIES.



REVISIONS

NO.	REVISIONS	DATE

**Town of Coventry
Office of the Town Engineer**



Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	22-PW-02
Project Name	Pump Replacements

Type Equipment	Department Public Works
Useful Life 10 years	Contact Public Works Director
Category Wastewater	Priority 3 Important

Description	Total Project Cost: \$46,000
Scheduled replacement of pumps at the treatment plant and pump stations:	
Treatment plant - 2026 - to replace 3 pumps which will be 10 years old	
Lakeview pumpstation - 2028 - to replace rebuilt 2 pumps from 2018	
Avery Shore pumpstation - 2029 - to replace 2 pumps from 2003	

Justification
Pumps will have reached end of life.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings			18,000		14,000	14,000	46,000
Total			18,000		14,000	14,000	46,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Sewer Fund			18,000		14,000	14,000	46,000
Total			18,000		14,000	14,000	46,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	23-PW-07
Project Name	Avery Shores Pump Station Site Improvements

Type	Improvement	Department	Public Works
Useful Life	15-20 years	Contact	Public Works Director
Category	Land - Grounds Improvements	Priority	4 Less Important

Description	Total Project Cost: \$15,000
Pipe drainage ditch at pump station on Avery Shores. Regrade site, remove knotweed and russian ollive and plant lilacs as odor control.	

Justification
Routine maintenance.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance	15,000						15,000
Total	15,000						15,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Sewer Fund	15,000						15,000
Total	15,000						15,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PW-02
Project Name	Add Heat to DPW Buidling at CHS

Type	Improvement	Department	Public Works
Useful Life	20 years	Contact	Public Works Director
Category	Buildings - HVAC & Electrical	Priority	3 Important

Description	Total Project Cost: \$10,000
The metal storage building used at CHS by Facility Maintenance is un heated. It is proposed to add ceiling mounted gas fired heating units	

Justification
The unheated building makes work difficult for 6 months a year. It is often used a a workplace for assembling and wood working.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings			10,000				10,000
Total			10,000				10,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
LOCIP			10,000				10,000
Total			10,000				10,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PW-03
Project Name	Staff Vehicles

Type	Equipment	Department	Public Works
Useful Life	10 years	Contact	Public Works Director
Category	Vehicles - Cars & Light Trucks	Priority	2 Very Important

Description **Total Project Cost: \$50,000**

Staff vehicles are need for various postions. There are some opportunites to use hand me down vehicles for some inspection purposes but these are appropriate for all purposes.

Next up is an EV vehicle for DPW director. Watching for Grant opportunities.

Justification

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Equip/Vehicles/Furnishings	50,000						50,000
Total	50,000						50,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Capital NonRecurring Fund	50,000						50,000
Total	50,000						50,000

Budget Impact/Other

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PW-04
Project Name	Depot Road Bridge Replacement

Type Improvement	Department Public Works
Useful Life 25 years	Contact
Category Infrastructure - Bridges	Priority 2 Very Important

Description	Total Project Cost: \$7,391,400
<p>During FY23, the State announced a grant submission period for the Federal Local Bridge Program that would be 100% funded rather than 80% funded. The Town took this opportunity to submit applications for two bridges that are in dire need of repair, one of which is Depot Road.</p>	

Justification
<p>Grant funding will cover 100% of bridge repair that is needed.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Planning/Design	791,400						791,400
Construction/Maintenance		6,600,000					6,600,000
Total	791,400	6,600,000					7,391,400

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan	791,400	6,600,000					7,391,400
Total	791,400	6,600,000					7,391,400

Budget Impact/Other



Jacobson

November 14, 2022

Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, Connecticut 06131-7546

Re: **Preliminary Application for Federal Local Bridge Program
100% Grant Funding**
Replacement of Bridge No. 05989
Depot Road over Willimantic River
Coventry, Connecticut
NLJA #05190089

Dear Mr. Barrows:

On behalf of the Town of Coventry and in accordance with Public Act No. 16-151, please find the following enclosed documents for consideration in selecting the Replacement of Bridge No. 05989 Depot Road over Willimantic River for *100% grant funding* in the Federal Local Bridge Program:

1. Executed "Preliminary Application for the Local Bridge Program".

Attachment A:

1. "Bridge Inspection Report for Depot Road over Willimantic River, Town of Coventry, Connecticut", dated 07-07-2021, prepared by the CTDOT.

Attachment B:

1. "Conceptual Design Drawings for the Replacement of Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut".
2. "Outline Specifications for the Replacement of Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut".

Attachment C:

1. "Preliminary Engineering Fees for the Replacement of Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut".

Nathan L. Jacobson & Associates, Inc.
Nathan L. Jacobson & Associates, P.C. (NY)
86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337
Tel 860.526.9591 Fax 860.526.5416
Consulting Civil and Environmental Engineers Since 1972



Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for Federal Local Bridge Program 100% Funding**

Replacement of Bridge No. 05989 Depot Road over Willimantic River
Coventry, CT

November 14, 2022

Page 2 of 4

Attachment D:

1. "2025 Conceptual Design Opinion for Probable Construction Costs for the Replacement of Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut".

Existing Bridge

The Depot Road bridge is located approximately 1,250' west of Route 32 (bridge location: lat. 41.762530, long. -72.268858) and spans the municipal boundary between Coventry and Mansfield. The bridge carries one shared lane of bi-directional traffic on Depot Road over the Willimantic River in a generally east-west orientation. The bridge is a three simple span structure consisting of a bituminous concrete wearing course on prestressed concrete box beams. The superstructure is carried by two abutments/wingwalls and two piers consisting of concrete caps on masonry stone. The length of maximum span is 43 ft., the structure length 138 ft., and curb-to-curb deck width is 12 ft.-6 in. The 12-31-2018 CTDOT Functional Classification Map shows Depot Road as a local road bordering urban and rural areas. Average daily traffic (ADT) count is reported as 517 (2021) on the latest CTDOT Bridge Inspection Report (BIR) dated 07-07-2021.

Bridge rails do not meet current design standards, nor does the approach metal beam guide rail system.

According to the BIR (included in Attachment A), the construction date of the bridge is estimated to be 1900 and was rehabilitated in 1990. The BIR indicates that the deck, superstructure, substructure, structural evaluation and deck geometry were rated 6, 7, 6, 6, 2 respectively. Scour critical rating was 3. As a result of the low deck geometry rating and the low scour critical rating, the structure is deemed in serious condition and eligible for replacement.

Proposed Bridge

It is proposed to build a new bridge behind and over the existing, designed for HL-93 live load. The existing superstructure will be removed. The existing substructure, including piers, will be cut down to an elevation above ordinary high water. A riparian shelf will be provided between existing and proposed abutments. The proposed bridge will be a single span with traditional abutments and wingwalls located behind the existing substructure and supported on piles socketed into bedrock. The proposed superstructure will consist of a prefabricated hot-dipped galvanized Howe through-truss with concrete deck slab. The deck slab will be topped with a bituminous concrete wearing surface on a membrane waterproofing system (cold liquid elastomeric).



Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for Federal Local Bridge Program 100% Funding**

Replacement of Bridge No. 05989 Depot Road over Willimantic River
Coventry, CT

November 14, 2022

Page 3 of 4

Based on the size of the contributing watershed and in accordance with the CTDOT Drainage Manual, the proposed superstructure will have 2 ft. of underclearance to the design storm which will result in raising the roadway approximately 9 ft. A 160 ft. clear span is assumed, along with two 12 ft. wide travel lanes and no sidewalk. This clear span length and increase in road elevation are based solely upon conceptual studies and engineering judgement at this time for the purposes of securing funding. These design parameters will be fully studied and may change as a result of a detailed hydraulic analysis to be performed during the project design.

The structure will include a TL-3 bridge rail connected to a code compliant metal beam approach rail (R-B MASH) system installed at the four corners of the superstructure, terminating at end anchors.

The roadway will be closed for the construction. A stormwater pollution control plan including sedimentation and erosion control measures will be included. The CTDEEP NDDB, USFWS, SHPO and Inland Fisheries Division will be consulted regarding any fish passage requirements, time of year restrictions, or any historic concerns. Appropriate permits will be obtained before the start of construction.

Opinion of Probable Construction Costs

A Conceptual Design Opinion of Probable Construction Costs for this project has been prepared based on available information and is included herein with a detailed breakdown. This opinion has been prepared during the conceptual design of the project. The construction costs shown therein are therefore based on conceptual construction quantities, cost information from vendors, various CTDOT English Bid Item lists and information available from our files on similar projects, adjusted as believed necessary at this time to reflect the construction conditions expected to be encountered. These costs should be interpreted as indicating the order of magnitude of anticipated costs. Actual costs will be determined as a result of open competitive bidding by qualified contractors after construction contract documents for the project are advertised for bids. Within the qualifications given above, we believe the conceptual design opinion of probable construction costs provides a reasonable basis for establishing the project budget.

The Total Estimated Project Cost, including construction costs, preliminary engineering fees, construction engineering and contingencies amounts to \$7,391,400. Upon selection by the CTDOT, we understand that a 100% financial grant would be available under the Federal Local Bridge Program for this project.



Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for Federal Local Bridge Program 100% Funding**

Replacement of Bridge No. 05989 Depot Road over Willimantic River
Coventry, CT

November 14, 2022

Page 4 of 4

If there are any questions, feel free to contact me.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES, INC.

Date:

2022.11.14

09:28:10 -05'00'

J. Howard Pfrommer, P.E.

JHP/jhp

Encl.

cc: Todd M. Penney, P.E., w/ encl.
Geoffrey L. Jacobson, P.E. w/ encl.
DocStar

L:\05190089 Two FLBP pre-apps, Coventry\Depot 05989\SLBP Pre-app\1. 11-14-2022 Barrows_Depot.docx



CONNECTICUT DEPARTMENT OF TRANSPORTATION



LOCAL BRIDGE PROGRAM

PRELIMINARY APPLICATION

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

Bridge Location: Depot Road over Willimantic River

Bridge Number: 05989 Structure Length: 138.0 feet Curb-to-Curb Width: 12.5 feet

Sufficiency Rating: 78.80 % Priority Rating: %

Evaluation & Rating Performed by: State Forces Others

Inspection Report performed under NBIS rules must accompany this application (or referenced if performed by the state). Screenings or other evaluations are not sufficient.

If Others, Name of Professional Engineer: _____

Connecticut Professional Engineers License Number: _____

Engineering Firm: _____

Engineer's Address: _____

Engineer's E-mail Address: _____

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

Description of Project Scope: A *(note Bridge Repair Code as per Figure 5-1 of the current Local Bridge Program Manual; attach narrative/preliminary plans & specifications).*

Name of Municipal Official to Contact: Todd Penney, P.E.

Title: Town Engineer/Wetlands Agent Telephone: (860) 742-4078 Ext: 3 Fax: (860) 742-4059

Mailing Address: 1712 Main Street, Coventry, CT 06238

E-mail: tpenney@coventryct.org

Anticipated Schedule:

(MM/DD/YYYY)

Public Meeting Conducted: 06/14/2023

Design Completion: 08/14/2024

Property Acquisition Completion: 08/14/2024

Utilities Coordination Completion: 08/14/2024

Construction Advertising: 10/16/2024

Supplemental Application Submission: _____
(Not applicable for Federal Local Bridge Program Projects)

Start of Construction: 04/01/2025

Completion of Construction: 11/30/2025

Local Bridge Program – Preliminary Application

Bridge Number 05989, Town/City/Borough of Coventry

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees)	\$ <u>791,400.00</u>
Rights-of-Way Cost (If applicable)	\$ <u>5,000.00</u>
Municipally Owned Utility Relocation Cost	\$ <u>0.00</u>
Estimated Construction Costs (Include Detailed Estimate)	\$ <u>5,276,000.00</u>
Construction Engineering (Inspection, Materials Testing)	\$ <u>791,400.00</u>
Contingencies (10% of Construction Costs Only)	\$ <u>527,600.00</u>
Total Estimated Project Cost	\$ <u>7,391,400.00</u>

Financial Aid Data:

NOTE: funding limited to Eligible Bridges as published at www.ct.gov/dot/localbridge or those found to be eligible in accordance with Section 2.3 – Priority Lists of the current Local Bridge Program Manual.



Federal Reimbursement:

Total Estimated Project Cost multiplied by 80%:

Federal Aid Request \$ 5,913,120.00

Note: Conventional federal contribution percentage shown. Program staff will discuss any other potential funding options after bridge application eligibility is established.



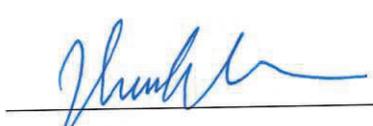
State Local Bridge Project Grant: (Cannot be combined with Federal reimbursement)

Total Estimated Project Cost multiplied by 50%:

Project Grant Request: \$ _____

Other Source of State or Federal funding received/applied for: \$ 0.00, State/Federal 0
Funding program: NA

I hereby certify that the above is accurate and true, to the best of my knowledge and belief. I also certify that this form has not been modified in any way from that distributed by the Department of Transportation.

Signature:  Date: 11/3/2022

Name: John A. Elseser Title: Town Manager
(Must be signed by Chief Elected Official, Town Manager, or other Officer Duly Authorized)

Submit application by email to Francisco.Fadul@ct.gov and dot-flbp@ct.gov

ATTACHMENT A

Attached 07-07-2021 *Bridge Inspection Report* for Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut:

Bridge Inspection Report Pages 1 to 33



BRIDGE NO. 05989

17800 - COVENTRY
DEPOT ROAD
over
WILLIMANTIC RIVER

Routine Inspection

7/07/2021

Inspected by: Team 3



Form: Location
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Location Map # 1

Form: BRI-19, Rev. 2/15
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

STRUCTURE INVENTORY & APPRAISAL

INSPECTION

Structurally Deficient Functionally Obsolete
Sufficiency Rating
(90) Inspection Date (91) Frequency
Indepth Insp Proposed next Indepth Year
Deck Survey Date Class
Access Flagman

	Frequency	Date	Type
Fracture	<input type="text"/>	<input type="text"/>	<input type="text"/>
Underwater	<input type="text"/>	<input type="text"/>	<input type="text"/>
Special	<input type="text"/>	<input type="text"/>	<input type="text"/>

IDENTIFICATION

Bridge Name
Town Code - Name
(5) Inventory Route
(A) Record Type
(B) Signing Prefix
(C) Level of Service
(D) Route Number.
(E) Dir Suffix
(6A) Featured Intersected
(6B) Critical Facility Indicator
(7) Facility Carried
(9) Location
(11) Mile Post Miles
(16) Latitude Deg. Min. Sec.
(17) Longitude Deg. Min. Sec.
(98) Border Bridge
(A) State Code (B) Percent Responsibility %
(C) Border Town Name
(99) Border Bridge Structure No.

STRUCTURE TYPE & MATERIALS

(43) Structure Type, Main
A) Material
B) Design Type
(44) Structure Type, Approach
A) Material
B) Design Type
(45) Number of Spans, Main Unit
(46) Number of Approach Spans
(107) Deck Structure Type
(108) Wearing Surface/Protection Systems
A) Type of Wearing Surface
B) Type of Membrane
C) Type of Deck Protection
Substructure
A) Material
B) Design Type
Paint
Type
Year
Comment

GEOMETRIC DATA

(48) Length of Maximum Span ft.
(49) Structure Length ft.
(50) Curb or Sidewalk Widths
A) Left ft. in. B) Right ft. in.
(51) Bridge Roadway Width Curb to Curb ft. in.
(52) Deck Width, Out to Out ft. in.
(32) Approach Roadway Width ft.

Form: BRI-19, Rev. 2/15
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

(33) Bridge Median
Deck Area sq. ft.
(34) Skew Angle deg.
(35) Structure Flared
(10) Inv. Rte. Min. Vert. Clearance ft. in.
(47) Inv. Rte. Total Horiz. Clr. ft. in.
Log Inv. Rte. Total Horiz. Clr. ft. in.
RLog Inv. Rte. Total Horiz. Clr. ft. in.
(53) Min. Vert. Clearance Over Bridge ft. in.
(54) Log-Min. Vert. Underclearance ref. ft. in.
(55) Min. Lat Underclearance on Right ref. ft. in.
(56) Min. Lat Underclearance on Left ft. in.

CONDITION

(58) Deck
(59) Superstructure
(60) Substructure
(61) Channel & Channel Protections
(62) Culverts
(36) Traffic Safety Features
A) Bridge Railings
B) Transitions
C) Approach Guardrail
D) Approach Guardrail Ends

WATERWAY

Drainage Basin Waterway
(38) Navigation Control
(39) Navigation Vertical Clearance ft.
(40) Navigation Horiz. Clr. ft.
(111) Pier/Abutment Navigation
(116) Vert-Lift Brg Nav Min ft. in.

AGE AND SERVICE

Year Built (106) Year Reconstructed
(42) Type of Service
A) On
B) Under
(28) Number of Lanes
A) On B) Under
(29) Average Daily Traffic
Is Above Half ADT?
(109) Percent Truck %
(30) Years of ADT
(19) Bypass, Detour Length Miles

APPRAISALS

(67) Structural Evaluation
(68) Deck Geometry
(69) Underclearances, Vert. & Horiz.
(71) Waterway Adequacy
(72) Approach Roadway Alignment
(113) Scour Critical

COMMENTS

CLASSIFICATION

(112) NBIS Bridge Length
(104) Highway System
(26) Functional Class
(100) Defense Highway
(101) Parallel Structure
(102) Direction of Traffic

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(103) Temporary Structure

(110) Designated National Network

(20) Toll

(21) Maintain

(22) Owner

Report Class

(37) Historical Significance

POSTED SIGNS

Other Posted Sign 1

Other Posted Sign 2

	Actual	Recomended	
Posted Load Single Unit Truck	<input type="text"/>	<input type="text"/>	tons
Posted Load Semi-Trailer Truck	<input type="text"/>	<input type="text"/>	tons
Posted Load 4 Axle Truck	<input type="text"/>	<input type="text"/>	tons
Posted Load 3S2 Truck	<input type="text"/>	<input type="text"/>	tons
All Vehicles	<input type="text"/>	<input type="text"/>	tons

Posted Vert. Clearance on Bridge ft. in.

Posted Vert. Underclearance ft. in.

Posted Speed Limit on Bridge m.p.h.

OTHER FEATURES

Fence Required

Fence Present

Fence Type

Fence Height

Fence Material

Fence Top Type

Barrel Ladders

Stand Pipes

Catwalks

Moveable Inspection System

Haunches Present over Roadway

Utilities

PROPOSED IMPROVEMENTS

(75A) Type of Work Proposed

(75B) Work Done By

(76) Length of Structure Improvement ft.

(94) Bridge Improvement Cost \$

(95) Roadway Improvement Cost \$

(96) Total Project Cost \$

(97) Year of Improvement Estimate

(114) Future ADT

(115) Year of Future ADT

DOT Bridge Program List No

Project No

Advertised Date

LOAD RATING & POSTING

(31) Design Load

(63) Operating Rating Type

(64) Operating Rating

(65) Inventory Rating Type

(66) Inventory Rating

Evaluation Code

Year of Evaluation

(70) Bridge Posting

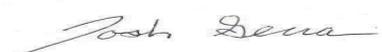
(41) Structure Status

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Inventory Route: Non-NHS

INSPECTOR'S SIGNATURES:

1)  Date: 07/14/2021

P.E. SIGNATURE: _____ Date: _____

2)  Date: 07/15/2021

P.E. # _____

3) _____ Date: _____

Reviewed By:  Date: 08/05/2021

Adam Taddonio

4) _____ Date: _____

Form: BRI-18, Rev. 1/14
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 Crossed: WILLIMANTIC RIVER
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FIELD INSPECTION REPORT

Location:	.2 MI FROM JRT ROUTE 32	Year Built:	1900	Snooper Required: <input type="checkbox"/>
Main Material:	5 - Prestressed concrete	Year Rebuilt:	1990	Snooper Used: <input type="checkbox"/>
Main Design:	05 - Box Beam or Girders -			

<u>Inspectors:</u>		<u>Visits:</u>			
Lead Inspector:	Edward Pucillo	Visit Date:	Temp:	Start Time:	End Time:
Inspector:	Task:	07/07/2021	85	08:30 AM	10:30 AM
Area,03	BSE - Inspector				
Pucillo,Edward	BSE - Inspector				
Serra,Joshua	BSE - Inspector				

58. DECK:

Log direction West - East, North inlet. Overall Rating: 6

Rating

Overlay: 5	Bituminous wearing surface over a built up type membrane- Random transverse & longitudinal cracks open up to 1". Intermittent longitudinal reflective cracks open up to 1" x full length of span. Band of bituminous delamination up to 4' wide x full length between wheel paths. Pier #2- 1' wide band of transverse cracks open to 1" w/ heavy ravel & adjacent bit spalls up to 1'x 4"x 3"dp.
Deck - Str. Condition: N	Deck integral with superstructure. Top of concrete slab not visible. No deficiencies noted. See item 59 (girders) for underside.
Curbs: 7	There is sloped granite curbing along the south side and block type granite curbing along the north side. Minor scrape marks. Random mortar joint cracks. Curb reveal 6" north, 3" south.
Median: N	
Sidewalks: 7	CIP concrete safety walk along the north fascia- Isolated transverse cracking and isolated areas of surface pop outs. The surface of the walkway within the span #1 shows a narrow band of heavy scaling, about 11' long x 6" wide x 2" deep.
Parapet: 6	CIP concrete railbase- Vertical and transverse hairline cracks and delamination of concrete rub-coat along the caps. The north railbase of the span #3 shows a 2 SF hollow area between bridge rail posts 6 and 7. Short sections of concrete parapet along all approaches- Map cracking of the inside fascia up to 1/16" open some extending along the caps.

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Railing: 6 Bridge railing is composed of three horizontal steel pipes mounted on high back type stanchions-
Light to moderate rust on the anchoring plates.
The railing shows areas of thin finish coat with longitudinal scrapes.
Light/ moderate collision damage along top of (6) posts along south rail over pier #1 with the upper rail connection bolts broken at (2) posts.

Paint: N

Fence: N

Drains: 6 3" diameter p.v.c. drains are thru both railbases at various locations within each span.
All are partially clogged.

Lighting Standard: N

Overall Utility Condition Rating

Utility Type/Size

N | No Utilities present

Construction Joints: N

Expansion Joint: N Cracking along the deck ends and over piers have been previously sealed but shows cracking and deterioration of sealant.

Haunches Present over travelway?

APPROACH CONDITION:

Overall Rating: 5

Rating

Approach Slab: N

Relief Joints: N

Approach Guide Rail: 8 Metal beam railing mounted on steel posts along all approach shoulders.

A wire rope cable system, mounted along timber posts, is noted along the free ends of the west metal beam rails.

Approach Pavement: 5 Bituminous approach roadways-

Transverse and longitudinal cracks up to 2" wide with heavy ravel, surface delaminations up to 1" deep & uneven bit patches.

Up to 1" of settlement along the deck ends in wheel paths.

Approach Embankment: 8

Traffic Safety Features

Bridge Railings: 0

Transitions: 0

Approach Guardrails: 0

Approach Guardrail Ends: 1

59. SUPERSTRUCTURE:

Overall Rating: 7

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 Inventory Route: Non-NHS

Rating

Bearing Devices:	8	Elastomeric bearing pads at both abutments and the piers. A limited view of these bearings due to styrofoam material.
Stringers:	N	
Girders:	7	(3) spans composed of (4) 48" x 28" prestressed deck units- Evidence of joint leakage and areas of efflorescence at random joints. The underside of the deck units have very light honeycombing and minor handling spalls. Stains are noted along the south fascia at piers due to the deck drains discharging onto the fascia.
Floor Beams:	N	
Trusses - General:	N	
Trusses - Portals:	N	
Trusses - Bracing:	N	
Paint:	N	
Rust:	N	
Machinery Movable Span:	N	
Rivets & Bolts:	N	
Welds - Cracks:	N	
Timber Decay:	N	
Concrete Cracking:	7	Refer to the above descriptions.
Collision Damage:	8	
Member Alignment:	8	
Deflection Under Load:	N	
Vibration Under Load:	N	
Stand Pipes:	N	
Catwalks:		
Movable Inspection System:		
Barrel Ladders:	N	

Are Barrel Ladders OSHA Compliant?

60. SUBSTRUCTURE:

Overall Rating:

Rating

Abutments - Stem:	6	Stone masonry abutments with concrete caps- Random leakage & efflorescence staining. Concrete caps are constructed to overhang the ends of the original stems by up to 2 feet. Isolated vertical cracks open to .012". Stone work shows small areas of mortar and filler stone loss.
Abutments - Backwall:	N	
Abutments - Footings:	N	

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Abutments - Settlement:	8	
Abutments - Wingwalls:	7	All wingwalls are stone masonry, with adjacent stone retaining walls. Minor filler stone and mortar joint loss.
Piers/Bents - Caps:	6	Stone masonry piers with concrete caps- Stone work shows small areas of mortar and filler stone loss. The west face of pier #2, north end has a stone void up to 24" deep. The caps show light honeycombing and minor horizontal pourline cracking. Leakage & efflorescence staining. The west face of pier #2, north end of cap has a spall 1.5 square foot spall x up to 2" inches deep.
Piers/Bents - Pile Bent:	N	
Piers/Bents - Columns:	N	
Piers/Bents - Footings:	N	Not visible.
Piers/Bents - Settlement:	8	
Erosion - Scour:	8	
Concrete Crack - Spall:	6	Refer to the above descriptions.
Steel Corrosion:	N	
Paint:	N	
Timber Decay:	N	
Collision Damage:	8	
Debris:	N	

61. CHANNEL AND CHANNEL PROTECTION:

Overall Rating: 6

Rating

Channel - Scour:	7	Average channel depth ranges from 12" - 48". 20' diameter x ± 12"dp scour approximately 25' downstream in center of channel.
Embankment - Erosion:	6	Inlet embankments show areas of light encroachment. Outlet embankments show moderate erosion.
Debris:	6	Large tree down along the southwest embankment downstream from pier #1. There are pockets of light timber debris along all banks. Large timber debris lodged against pier 2 and across span 3 inlet.
Vegetation:	6	All banks are well vegetated and overhang the channel at various locations. Moderate vegetation and tree growth along spans 1 & 3.
Channel Change:	6	The channel enters the center span from the northwest. Flow favors toward pier #2. 8' 3" Freeboard measurement taken at span 2 inlet. Unable to verify center of span 2 profile measurement due to high (48"+), fast moving water.
Fender - System:	N	

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Spur Dikes and Jetties:	N	
Rip Rap:	8	Rip rap is placed along each abutment and around both piers.

62. CULVERTS AND RETAINING WALLS:

Overall Rating:

Rating

Barrel:	N	
Concrete:	N	
Steel:	N	
Timber:	N	
Headwall:	N	
Cutoff Wall:	N	
Debris:	N	
Retaining Wall System:	N	
Footing:	N	

LOAD POSTING:

Rating

Single Unit (Tons):	<input type="text"/>	<input type="text"/>
Semi Trailer (Tons):	<input type="text"/>	<input type="text"/>
4 Axle (Tons):	<input type="text"/>	<input type="text"/>
3S2 (Tons):	<input type="text"/>	<input type="text"/>
All Vehicles:	<input type="text"/>	<input type="text"/>
Advanced Warning:	N	
Warning At Bridge:	<input type="text"/>	<input type="text"/>
Legibility:	N	
Visibility:	N	

VERTICAL CLEARANCE POSTING

Min. Vert Under Clearance:	<input type="text"/> Ft	<input type="text"/> In	<input type="text"/>
Posted Clearance Under Bridge:	<input type="text"/> Ft	<input type="text"/> In	<input type="text"/>
Posted Clearance On Bridge:	<input type="text"/> Ft	<input type="text"/> In	<input type="text"/>
Advanced Warning:	False		
Warning At Bridge:	<input type="text"/>	<input type="text"/>	
Legibility:	<input type="text"/>	<input type="text"/>	
Visibility:	<input type="text"/>	<input type="text"/>	

NOTES / COMMENTS:

Character of Traffic:

Additional Notes:

Single lane structure from west to east.

Flow from north to south.

Additional Comments:

Neither approach has a 'one lane bridge' warning sign.

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The east approach on has a 'narrow bridge' sign.

National Bridge Elements
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Town: COVENTRY
 Carried: DEPOT ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
15 - Prestressed Concrete Top Flange	Mod.	561	sq. ft.	561	0	0	0
510 - Wearing Surfaces		561	sq. ft.	0	561	0	0
3230 - Effectiveness (Wearing Surface)		561		0	561	0	0
104 - Prestressed Concrete Closed Web/Box Girder	Mod.	561	ft.	560	1	0	0
1080 - Delamination/Spall/Patched Area		1		0	1	0	0
213 - Masonry Pier Wall	Mod.	49	ft.	37	12	0	0
1610 - Mortar Breakdown (Masonry)		10		0	10	0	0
1640 - Masonry Displacement		2		0	2	0	0
217 - Masonry Abutment	Mod.	49	ft.	29	20	0	0
1610 - Mortar Breakdown (Masonry)		20		0	20	0	0
310 - Elastomeric Bearing	Mod.	16	each	16	0	0	0
330 - Metal Bridge Railing	Mod.	276	ft.	216	50	10	0
1000 - Corrosion		50		0	50	0	0
7000 - Damage		10		0	0	10	0

Sketches

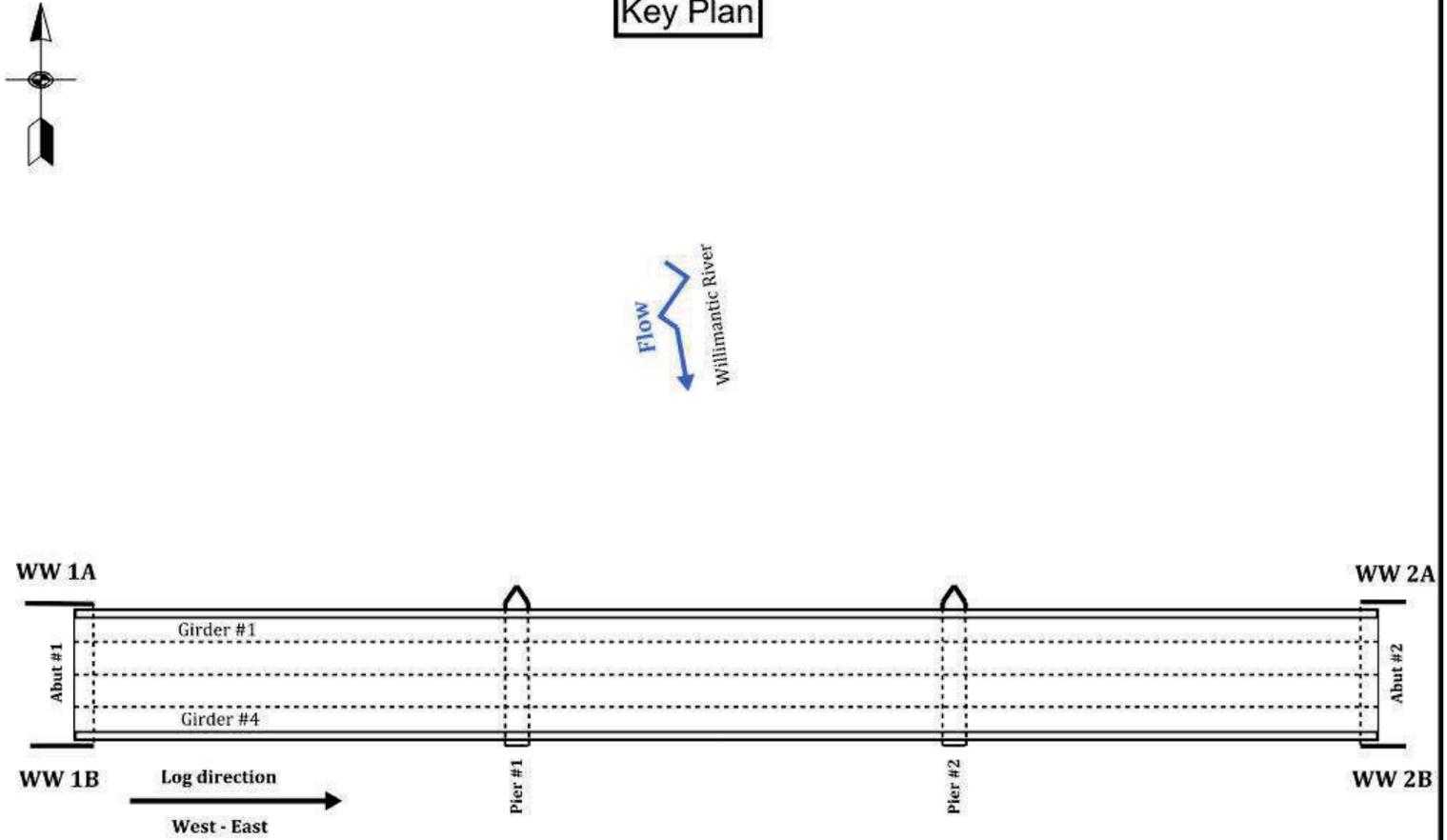
Inspection type: Routine
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Inspected by: Team 3

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Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

CREW: **Team #3** DATE: **07/07/2021** BRIDGE NO.: **05989**

Key Plan



Key plan

REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

Sketches

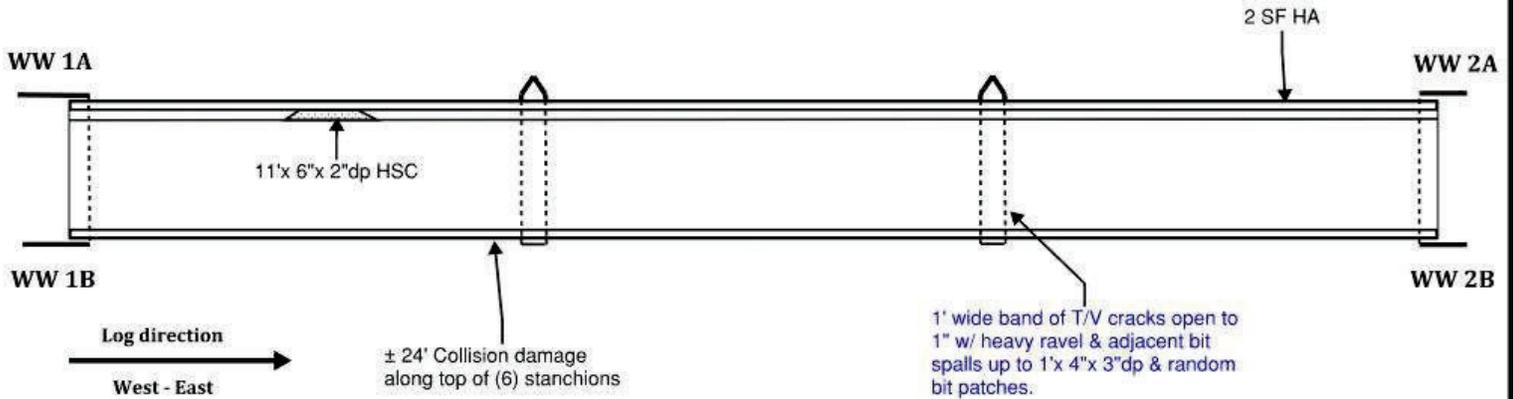
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Inventory Route: Non-NHS

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Top of Deck



Random transverse & longitudinal cracks open up to 1".
 Intermittent longitudinal reflective cracks open up to 1" x full length.
 Band of bituminous delamination up to 4' wide x full length between wheel paths.
 Up to 1" of settlement along the deck ends in wheel paths.

REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

Sketches

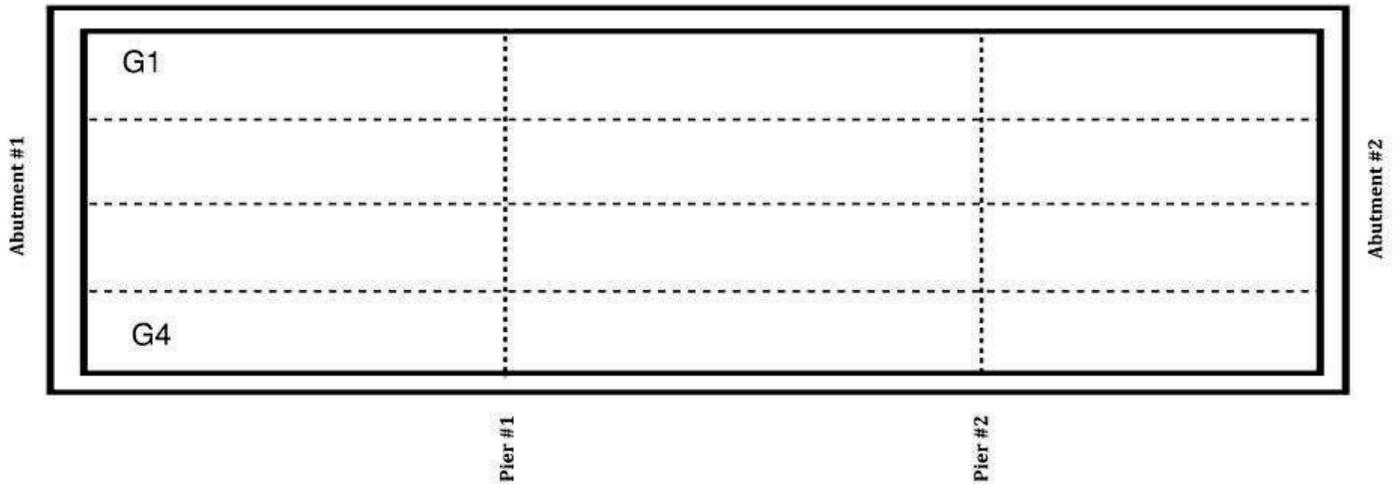
Inspection type: Routine
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Underside of Deck Units



(3) spans composed of four (48" x 28") prestressed deck units-
 Evidence of joint leakage and areas of efflorescence at random joints.
 The underside of the deck units have very light honeycombing and minor handling spalls.
 Stains are noted along the south fascia at piers due to the deck drains discharging on the underside of units

REVISION <input type="checkbox"/>	DATE:	CREW:	REVISION <input type="checkbox"/>	DATE:	CREW:
REVISION <input type="checkbox"/>	DATE:	CREW:	REVISION <input type="checkbox"/>	DATE:	CREW:

Sketches

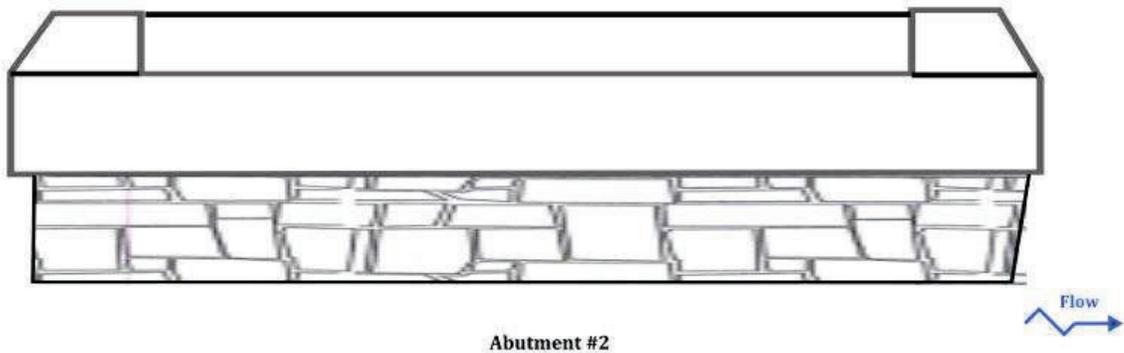
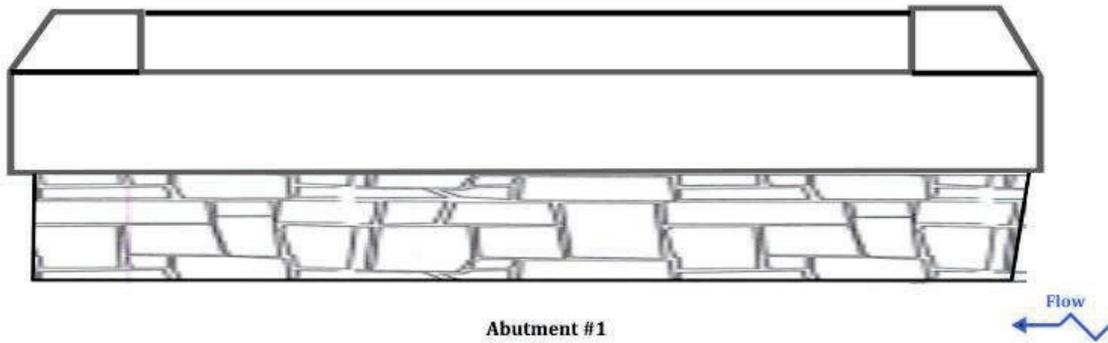
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Town: COVENTRY
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Inventory Route: Non-NHS

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Abutments



Leakage & efflorescence staining.
Isolated vertical cracks open to .012".
Stone work shows small areas of mortar and filler stone loss.

Abutments

REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

Sketches

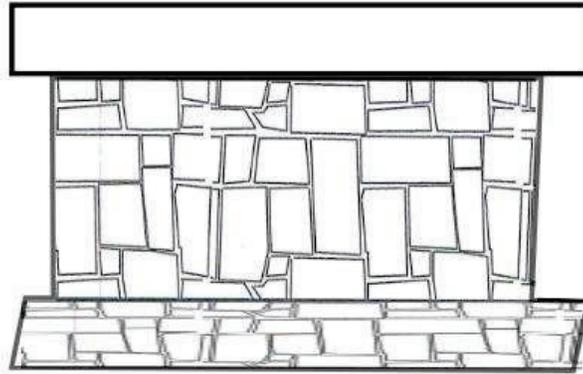
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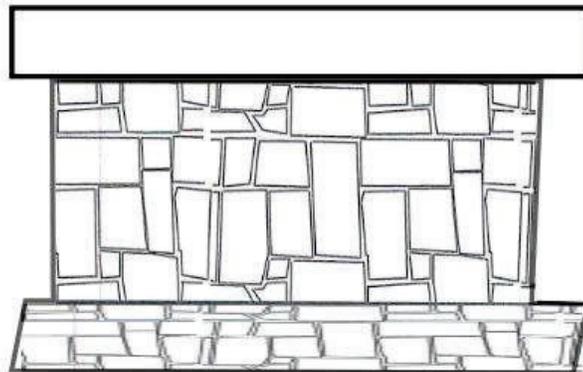
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Pier #1



West fascia



East fascia

Stone work shows small areas of mortar and filler stone loss.
The caps show light honeycombing and minor horizontal pourline cracking.
Leakage & efflorescence staining.

Pier 1

REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

Sketches

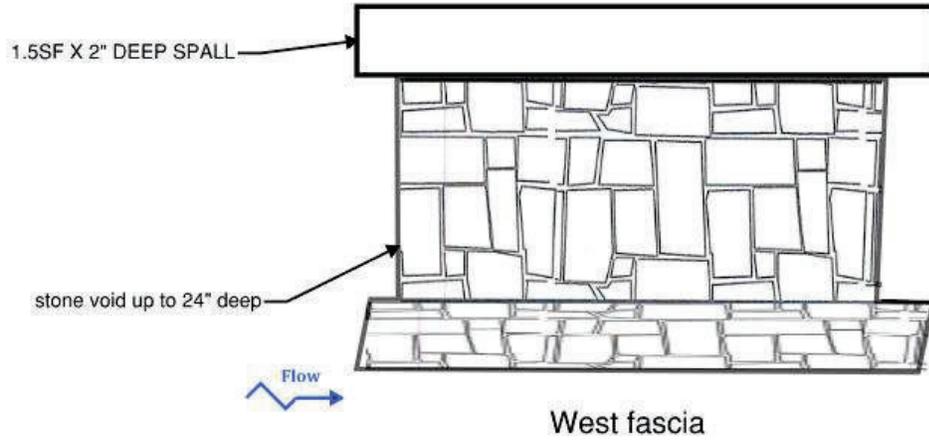
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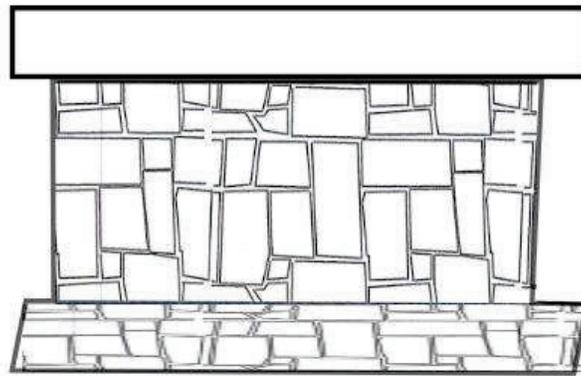
Town: COVENTRY
Carried: DEPOT ROAD
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Inventory Route: Non-NHS

CREW: Team #3	DATE: 07/07/2021	BRIDGE NO.: 05989
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Pier #2



West fascia



East fascia

Stone work shows small areas of mortar and filler stone loss.
The caps show light honeycombing and minor horizontal pourline cracking.
Leakage & efflorescence staining.

Pier 2

REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

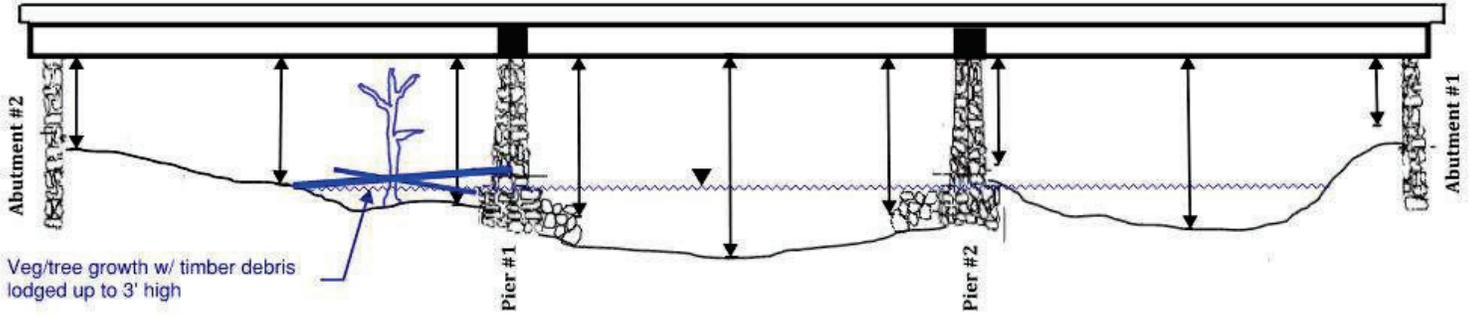
Sketches
 Inspection type: Routine
 Inspection Date: 7/07/2021
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 Inventory Route: Non-NHS

CREW: Team #3	DATE: 07/07/2021	BRIDGE NO.: 05989
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Inlet Elevation (North)



7/8/19	5' 7"	9' 1"	9' 2"	9' 4"	12' 1"	9' 6"	7' 1"	9' 1"	3' 9"
7/7/21	5' 7"	9' 3"	9' 3"	9' 7"	N/A	9' 5"	7' 2"	9' 2"	3' 9"

▼ = 8' 3" Freeboard measurement.
 Unable to take profile measurement at center of span 2 due to high, fast moving water. Inlet elevation

REVISION <input type="checkbox"/>	DATE:	CREW:	REVISION <input type="checkbox"/>	DATE:	CREW:
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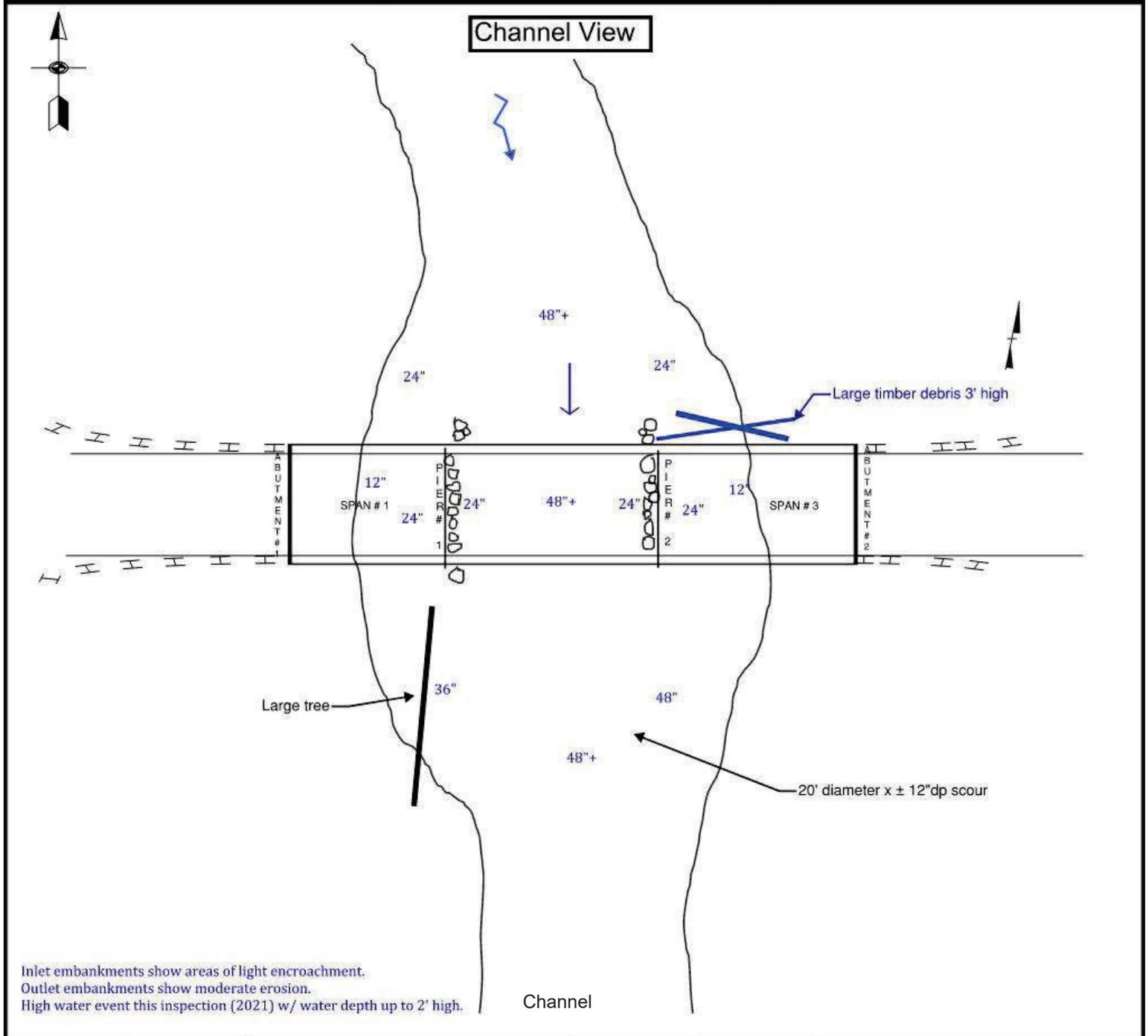
Sketches

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REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 1

Photo Taken: 07/07/2021

Looking east



Photo Number: 2

Photo Taken: 07/07/2021

Wearing surface (span 2)

Form: Asset Photos
Inspection type: Routine
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Photo Number: 3

Photo Taken: 07/07/2021

Looking west



Photo Number: 4

Photo Taken: 07/07/2021

North rail

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

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Town: COVENTRY
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Photo Number: 5

South rail

Photo Taken: 07/07/2021

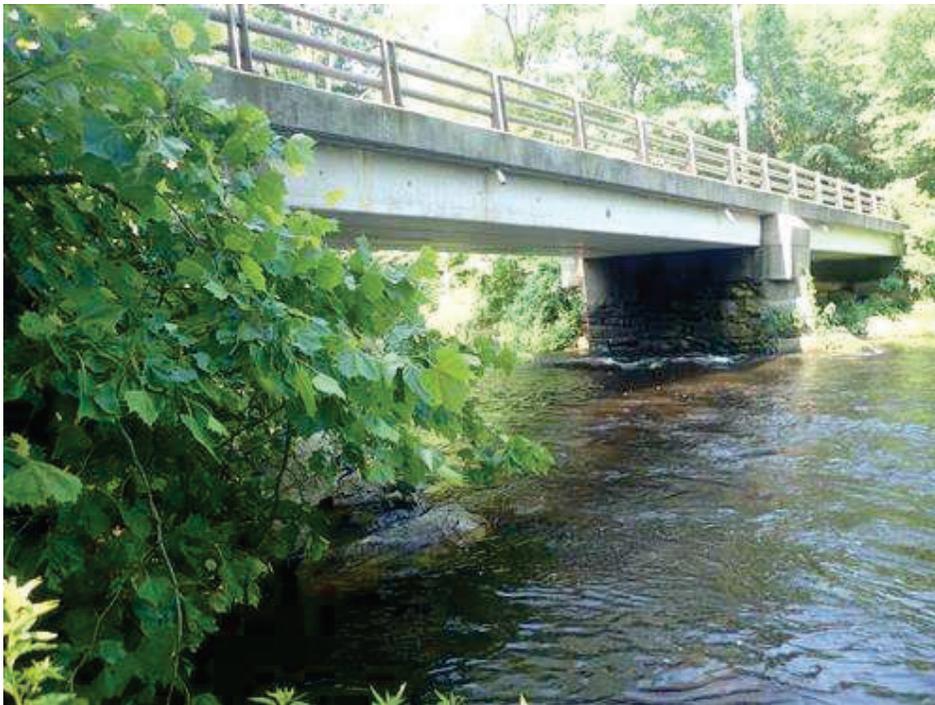


Photo Number: 6

Inlet elevation (north)

Photo Taken: 07/07/2021

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

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Town: COVENTRY
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Inventory Route: Non-NHS



Photo Number: 7

Photo Taken: 07/07/2021

Outlet elevation (south)



Photo Number: 8

Photo Taken: 07/07/2021

Span 1 underside

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
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Inventory Route: Non-NHS



Photo Number: 9

Photo Taken: 07/07/2021

Span 2 underside



Photo Number: 10

Photo Taken: 07/07/2021

Span 3 underside

Form: Asset Photos
Inspection type: Routine
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Photo Number: 11

Photo Taken: 07/07/2021

Typical bearing (pier 1)



Photo Number: 12

Photo Taken: 07/07/2021

Abutment 1

Form: Asset Photos
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Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 13

Photo Taken: 07/07/2021

Pier 1 west face

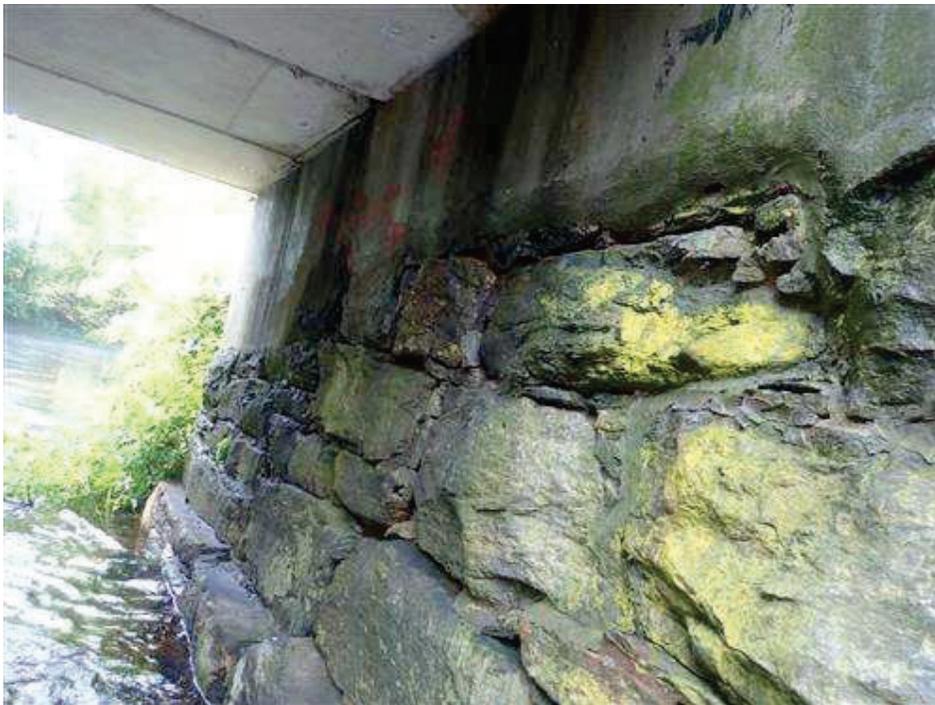


Photo Number: 14

Photo Taken: 07/07/2021

Pier 1 east face

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 15

Photo Taken: 07/07/2021

Pier 2 west face



Photo Number: 16

Photo Taken: 07/07/2021

Pier 2 east face

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 17

Photo Taken: 07/07/2021

Abutment 2



Photo Number: 18

Photo Taken: 07/07/2021

WW 1A

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 19

Photo Taken: 07/07/2021

WW 2B



Photo Number: 20

Photo Taken: 07/07/2021

WW 1B

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/07/2021
Inspected by: Team 3

:Bridge No 05989

Town: COVENTRY
Carried: DEPOT ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 21

Photo Taken: 07/07/2021

Downstream



Photo Number: 22

Photo Taken: 07/07/2021

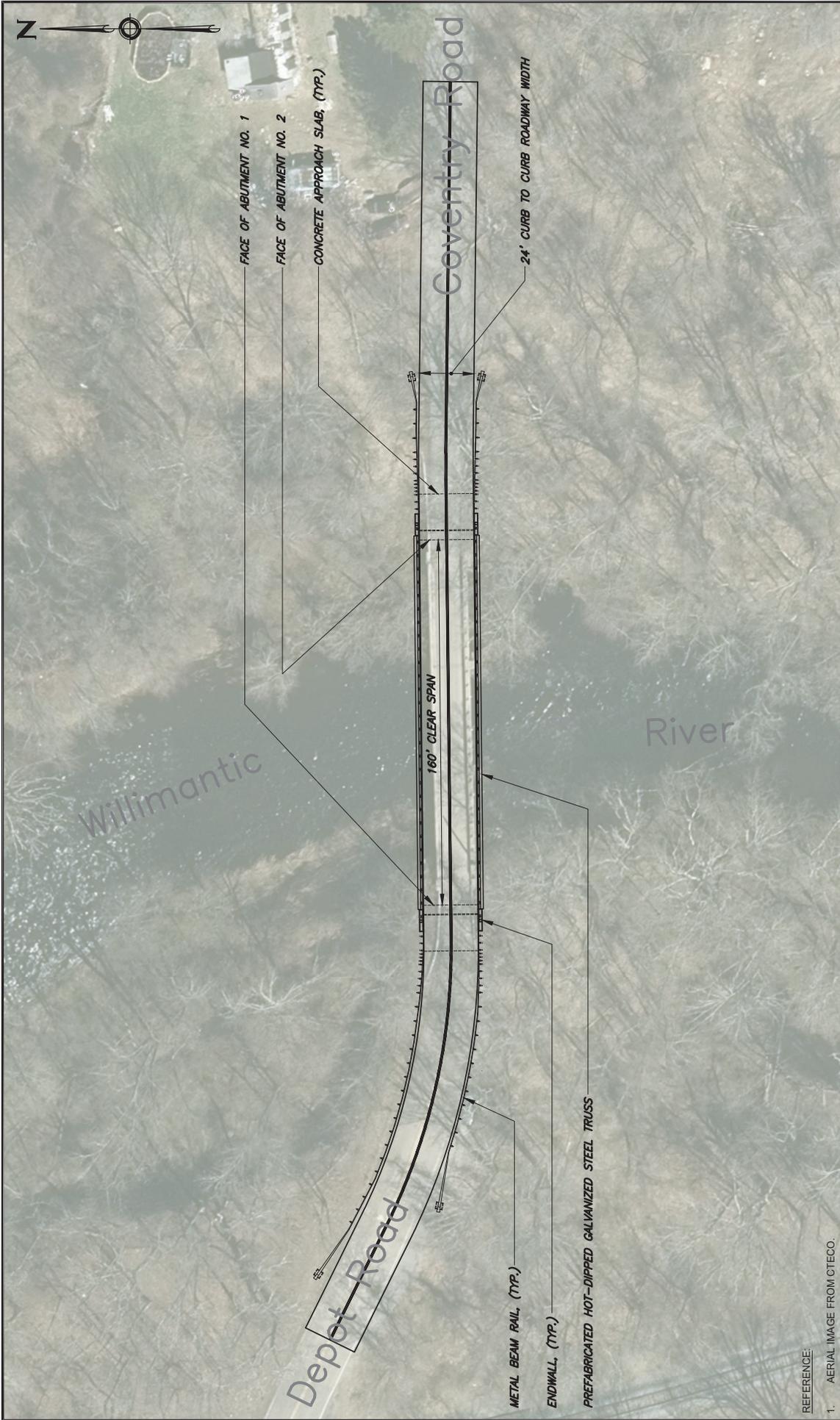
Debris lodged against vegetation at span 3 inlet

ATTACHMENT B

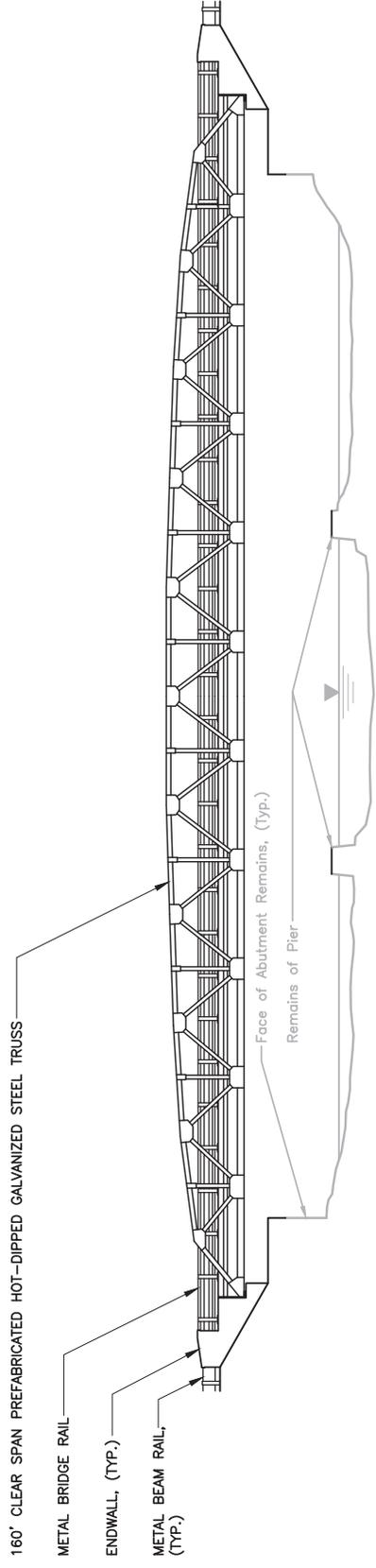
Attached Drawings and Documents containing *Conceptual Design Drawings* for the Replacement of Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut:

Conceptual Design Drawings Sheets 1 to 2

Outline Specifications Pages 1 to 2



<p>REPLACEMENT OF BRIDGE NO. 05989 DEPOT ROAD OVER WILLIMANTIC RIVER COVENTRY, CONNECTICUT</p>	<p>DATE: OCTOBER 2022 SCALE: 1"=40' PROJECT No.: 05190089 CADD FILE: 05190089B.rdg</p>	<p>DESIGNED: JHP DRAWN: AUG CHECKED: - SHEET No.: 2 OF 3</p>
<p>ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.</p> <p>© COPYRIGHT 2022 NATHAN L. JACOBSON & ASSOCIATES, INC. ALL RIGHTS RESERVED.</p>		
<p>CONCEPT BRIDGE PLAN</p>		
<p>REFERENCE: 1. AERIAL IMAGE FROM CTECO.</p> <p>Nathan L. Jacobson & Associates, Inc. 86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337 Tel: (860) 526-9591 Fax: (860) 526-5416 www.nlja.com Jacobson Consulting Civil and Environmental Engineers Since 1972</p>		




 Nathan L. Jacobson & Associates, Inc.
 86 Main Street P.O. Box 337
 Chester, Connecticut 06412-0337
 Tel: (860) 526-9591 Fax: (860) 526-5416
 www.nlja.com
 Jacobson Consulting Civil and Environmental Engineers Since 1972

REPLACEMENT OF BRIDGE NO. 05989
 DEPOT ROAD OVER WILLIMANTIC RIVER
 COVENTRY, CONNECTICUT
CONCEPT BRIDGE ELEVATION

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.
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 ALL RIGHTS RESERVED.

DATE:	OCTOBER 2022	DESIGNED:	JHP
SCALE:	1/16"=1'-0"	DRAWN:	AUG
PROJECT No.:	051900089	CHECKED:	-
CADD FILE:	051900089SP	SHEET No.:	3 OF 3

Outline Specifications
for
Replacement of Bridge No. 05989 Depot Road over Willimantic River
Coventry, Connecticut

Division I: General Requirements and CovenantsSection:

- 1.01 Definitions of Terms & Permissible Abbreviations
- 1.02 Proposal Requirements and Conditions
- 1.03 Award and Execution of Contract
- 1.04 Scope of Work
- 1.05 Control of the Work
- 1.06 Control of Materials
- 1.07 Legal Relations and Responsibilities
- 1.08 Prosecution and Progress
- 1.09 Measurement and Payment
- 1.10 Environmental Compliance
- 1.11 Claims

Division II: Construction Details**Earthwork**Section:

- 2.01 Clearing and Grubbing
- 2.02 Roadway Excavation, Formation of Embankment and Disposal of Surplus Material
- 2.03 Structure Excavation
- 2.07 Borrow
- 2.09 Subgrade
- 2.11 Anti-Tracking Pad
- 2.12 Subbase
- 2.14 Compacted Granular Fill
- 2.16 Pervious Structure Backfill
- 2.19 Sedimentation Control System

Base CoursesSection:

- 3.04 Processed Aggregate Base
- 3.05 Processed Aggregate

Surface Courses or PavementsSection:

- 4.06 Bituminous Concrete

StructuresSection:

- 5.03 Removal of Superstructure
- 5.86 Catch Basins, Manholes and Drop Inlets
- 6.01 Concrete for Structures
- 6.02 Reinforcing Steel
- 6.03 Structural Steel
- 6.86 Drainage Pipes, Drainage Pipe Ends

Incidental ConstructionSection:

- 7.02 Piles
- 7.03 Riprap
- 7.07 Membrane Waterproofing (Cold Liquid Elastomeric)
- 7.08 Dampproofing
- 7.28 Crushed Stone for Slope Protection
- 7.55 Geotextile
- 8.11 Concrete Curbing
- 8.22 Temporary Precast Concrete Barrier Curb
- 9.10 Metal Beam Rail
- 9.11 Metal Beam Rail Anchorages
- 9.22 Bituminous Concrete Sidewalk, Bituminous Concrete Driveway
- 9.39 Sweeping for Dust Control
- 9.44 Topsoil
- 9.46 Liming
- 9.49 Furnishing, Planting and Mulching Trees, Shrubs, Vines and Ground Cover Plants
- 9.50 Turf Establishment, Erosion Control Matting
- 9.70 Trafficperson
- 9.71 Maintenance and Protection of Traffic
- 9.74 Removal of Existing Masonry
- 9.75 Mobilization and Project Closeout
- 9.76 Barricade Warning Lights
- 9.79 Construction Barricades
- 9.80 Construction Surveying

Traffic ControlSection:

- 12.08 Sign Face – Sheet Aluminum
- 12.10 Epoxy Resin Pavement Markings
- 12.20 Construction Signs
- 18.02 Sand Barrels

Division III: Materials SectionSection:

- M.01 Aggregate
- M.02 Granular Fill, Subbase, Granular Base and Surfaces, Stone Base, Pervious Structure Backfill, Free-Draining Material, Crusher-Run Stone
- M.03 Portland Cement Concrete
- M.04 Bituminous Concrete Materials
- M.05 Processed Aggregate Base and Pavement Surface Treatment
- M.06 Metals
- M.07 Paint
- M.08 Drainage
- M.09 Sheet Piling and Piles
- M.10 Fence, Railing and Posts
- M.12 Bearing Areas, Riprap, Slope Paving & Slope Protection, Waterproofing and Dampproofing, Stone and Granite Slope Curbing, Calcium Chloride for Dust Control, Wood
- M.13 Roadside Development
- M.17 Elastomeric Materials
- M.18 Signing

ATTACHMENT C

Assumed breakdown of *Preliminary Engineering Fees* for the Replacement of Bridge No. 05989
Depot Road over Willimantic River, Coventry, Connecticut:

Survey	\$31,400
Preliminary Design	\$300,000
Permits.....	\$60,000
<u>Final Design.....</u>	<u>\$400,000</u>
TOTAL.....	\$791,400

ATTACHMENT D

Attached Spreadsheet containing: *Detailed Estimate of Construction Cost* for the Replacement of Bridge No. 05989 Depot Road over Willimantic River, Coventry, Connecticut:

2025 Conceptual Design Opinion of Probable Construction CostsPages 1 to 3

CONCEPTUAL DESIGN OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 05989, Depot Road over the Willimantic River

TOWN: Coventry, CT

JOB NO.: 05190089
 BY: JHP
 DATE: 10/4/2022

CHECKED BY:
 DATE:

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
ROADWAY ITEMS					
0202000	Earth Excavation	420	C.Y.	\$ 23.24	\$ 9,760.80
0202100	Rock Excavation	40	C.Y.	\$ 89.40	\$ 3,576.00
0202351	Unsuitable Material Excavation	20	C.Y.	\$ 57.86	\$ 1,157.20
0202529	Cut Bituminous Concrete Pavement	44	L.F.	\$ 3.09	\$ 135.96
0207000	Borrow	2,700	C.Y.	\$ 21.63	\$ 58,401.00
0209001	Formation of Subgrade	1,000	S.Y.	\$ 3.37	\$ 3,370.00
0212000	Subbase	350	C.Y.	\$ 51.68	\$ 18,088.00
0305001	Processed Aggregate	30	C.Y.	\$ 56.20	\$ 1,686.00
0406171	HMA S0.5	115	TON	\$ 122.47	\$ 14,084.05
0406172	HMA S0.375	115	TON	\$ 138.14	\$ 15,886.10
0406236	Material for Tack Coat	50	GAL.	\$ 7.47	\$ 373.50
0586002.10	Type "C" Catch Basin (4' Sump) - 0'-10' Deep	4	EA.	\$ 4,096.82	\$ 16,387.28
0686000.15	15" R.C. Pipe - 0' - 10' Deep	140	L.F.	\$ 95.77	\$ 13,407.80
0686700.15	15" Reinforced Concrete Drainage Pipe End	2	EA.	\$ 1,097.02	\$ 2,194.04
0703012A	Modified Riprap	50	C.Y.	\$ 149.12	\$ 7,456.00
0755009	Geotextile	100	S.Y.	\$ 8.02	\$ 802.00
0811001A	Concrete Curbing	96	L.F.	\$ 41.09	\$ 3,944.64
0910031A	Thrie-Beam Attachment	4	EA.	\$ 6,300.00	\$ 25,200.00
0910300A	Metal Beam Rail (R-B MASH)	200	L.F.	\$ 55.00	\$ 11,000.00
0911923A	R-B End Anchorage - Type I	2	EA.	\$ 2,300.00	\$ 4,600.00
0911924A	R-B End Anchorage - Type II	2	EA.	\$ 2,100.00	\$ 4,200.00
0912503	Remove Metal Beam Rail	175	L.F.	\$ 5.31	\$ 929.25
0922501	Bituminous Concrete Driveway	23	S.Y.	\$ 66.86	\$ 1,537.78
0939001	Sweeping for Dust Control	160	HR.	\$ 115.04	\$ 18,406.40
0944000	Furnishing and Placing Topsoil	1,300	S.Y.	\$ 7.37	\$ 9,581.00
0946001	Liming	1	TON	\$ 1,300.00	\$ 1,300.00
0949000	Wood Chip Mulch	200	S.Y.	\$ 11.46	\$ 2,292.00
0949103	Cornus Sericea Red Osier Dogwood 3'-4' Ht. B.B.	14	EA.	\$ 90.99	\$ 1,273.86
0949114	Cornus Racemosa Gray Dogwood 3'-4' Ht. B.B.	9	EA.	\$ 82.84	\$ 745.56
0949590	Viburnum Trilobum American Cranberrybush 3'-4' Ht. B.B.	14	EA.	\$ 70.04	\$ 980.56
0949854	Amelanchier Canadensis, Shadblow Serviceberry, 24"-36" Ht. B.B.	12	EA.	\$ 121.00	\$ 1,452.00
0950005	Turf Establishment	1,300	S.Y.	\$ 2.09	\$ 2,717.00
0950043A	Wetland Grass Establishment	800	S.F.	\$ 0.46	\$ 368.00
0969060A	Construction Field Office, Small	10	MO.	\$ 5,070.84	\$ 50,708.40
1210111	4" Yellow Type I Epoxy Resin Pavement Markings	940	L.F.	\$ 1.03	\$ 968.20
Roadway Subtotal:					\$ 308,970.38

CONCEPTUAL DESIGN OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 05989, Depot Road over the Willimantic River

TOWN: Coventry, CT

JOB NO.: 05190089
 BY: JHP
 DATE: 10/4/2022

CHECKED BY:
 DATE:

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
STRUCTURE ITEMS					
0203202	Structure Excavation - Earth (Excluding Cofferdam and Dewatering)	200	C.Y.	\$ 30.92	\$ 6,184.00
0203304	Structure Excavation - Rock (Excluding Cofferdam & Dewatering)	20	C.Y.	\$ 64.40	\$ 1,288.00
0214100	Compacted Granular Fill	20	C.Y.	\$ 94.99	\$ 1,899.80
0216000	Pervious Structure Backfill	130	C.Y.	\$ 66.50	\$ 8,645.00
0406172	HMA S0.375	62	TON	\$ 138.14	\$ 8,564.68
0406173	HMA S0.25	31	TON	\$ 140.88	\$ 4,367.28
0406236	Material for Tack Coat	27	GAL.	\$ 7.47	\$ 201.69
0406303A	Sawing and Sealing Joints	48	L.F.	\$ 32.32	\$ 1,551.36
0503151	Removal of Superstructure (Site No. 1)	1	L.S.	\$ 150,000.00	\$ 150,000.00
0520036A	Asphaltic Plug Expansion Joint System	20	C.F.	\$ 406.57	\$ 8,131.40
0601062	Footing Concrete	61	C.Y.	\$ 797.02	\$ 48,618.22
0601064	Abutment and Wall Concrete	102	C.Y.	\$ 1,231.87	\$ 125,650.74
0601072	Surface Repair Concrete	47	C.F.	\$ 472.63	\$ 22,213.61
0601121	Parapet Concrete	20	L.F.	\$ 363.20	\$ 7,264.00
0601123	Approach Slab Concrete	36	C.Y.	\$ 518.90	\$ 18,680.40
0601124A	Barrier Wall Concrete	4	C.Y.	\$ 1,254.40	\$ 5,017.60
0601242	Precast Concrete Deck Panels	4,160	S.F.	\$ 40.00	\$ 166,400.00
0601504	1" Preformed Expansion Joint Filler for Bridges	103	S.F.	\$ 14.65	\$ 1,508.95
0602030	Deformed Steel Bars - Galvanized	20,500	LB.	\$ 2.12	\$ 43,460.00
0603000A	Prefabricated Steel Truss Superstructure	1	L.S.	\$ 950,000.00	\$ 950,000.00
0702048	Obstructions	4	HR.	\$ 1,500.00	\$ 6,000.00
0702100A	Furnishing and Installing Steel H-Pile	900	L.F.	\$ 210.00	\$ 189,000.00
0702359A	Temporary Outer Casing	800	L.F.	\$ 150.00	\$ 120,000.00
0702585A	2 in. Diameter Pilot Hole	120	L.F.	\$ 90.00	\$ 10,800.00
0702859A	Drilling/Concreting Rock Socket	100	L.F.	\$ 2,800.00	\$ 280,000.00
0707009A	Membrane Waterproofing (Cold Liquid Elastomeric)	525	S.Y.	\$ 65.16	\$ 34,209.00
0708001	Dampproofing	93	S.Y.	\$ 21.54	\$ 2,003.22
0728008	3/8" Crushed Stone	150	C.Y.	\$ 70.86	\$ 10,629.00
0819002A	Penetrating Sealer Protective Compound	20	S.Y.	\$ 17.82	\$ 356.40
0974001	Removal of Existing Masonry	90	C.Y.	\$ 278.79	\$ 25,091.10
Structure Subtotal:				\$	2,257,735.45

ENVIRONMENTAL COMPLIANCE ITEMS					
0210300A	Oil Absorbent Boom	100	L.F.	\$ 26.50	\$ 2,650.00
0210301A	Oil Absorbent Blanket	400	L.F.	\$ 4.50	\$ 1,800.00
0210302A	Containment Boom	120	L.F.	\$ 29.00	\$ 3,480.00
0219001	Sedimentation Control System	900	L.F.	\$ 7.22	\$ 6,498.00
0728014	3/4" Crushed Stone	2	C.Y.	\$ 71.14	\$ 142.28
0755009	Geotextile	45	S.Y.	\$ 8.02	\$ 360.90
0950036	Erosion Control Matting Type E	230	S.Y.	\$ 4.78	\$ 1,099.40
0950039	Erosion Control Matting Type D	1,700	S.Y.	\$ 3.23	\$ 5,491.00
Environmental Compliance Subtotal:				\$	21,521.58

CONCEPTUAL DESIGN OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 05989, Depot Road over the Willimantic River

TOWN: Coventry, CT

JOB NO.: 05190089
 BY: JHP
 DATE: 10/4/2022

CHECKED BY:
 DATE:

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
TRAFFIC ITEMS					
0822001	Temporary Precast Concrete Barrier Curb	40	L.F.	\$ 35.20	\$ 1,408.00
0970006	Trafficperson (Municipal Police Officer) (Estimated Cost)	1,000	Est.	\$ 1.00	\$ 1,000.00
0970007	Trafficperson (Uniformed Flagger)	40	HR.	\$ 38.69	\$ 1,547.60
0976002	Barricade Warning Lights - High Intensity	3,360	DAY	\$ 0.88	\$ 2,956.80
0979003	Construction Barricade Type III	6	EA.	\$ 141.92	\$ 851.52
1208931	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	4	S.F.	\$ 44.23	\$ 176.92
1220027	Construction Signs	300	S.F.	\$ 23.18	\$ 6,954.00
1802210.04	Temporary Sand Barrel (400 lb.)	8	EA.	\$ 402.43	\$ 3,219.44
1802210.07	Temporary Sand Barrel (700 lb.)	8	EA.	\$ 414.01	\$ 3,312.08
1802210.21	Temporary Sand Barrel (2100 lb.)	16	EA.	\$ 443.39	\$ 7,094.24
1807202	Repair of Temporary Impact Attenuation System (Estimated Cost)	3,000	Est.	\$ 1.00	\$ 3,000.00
Traffic Subtotal:					\$ 31,520.60

ROADWAY (See breakout above)	\$ 308,970
STRUCTURE (See breakout above)	\$ 2,257,735
ENVIRONMENTAL COMPLIANCE (See breakout above)	\$ 21,522
TRAFFIC (See breakout above)	\$ 31,521

0201001	Clearing and Grubbing (as % of total contract items)	2.0%	\$ 91,122
0971001A	Maintenance and Protection of Traffic (as % of total contract items)	3.0%	\$ 136,683
0975004	Mobilization and Project Closeout (as % of total contract items)	6.5%	\$ 296,145
0980020	Construction Surveying (as % of total contract items)	1.0%	\$ 45,561
	MINOR ITEM ALLOWANCE (as % of total contract items)	30.0%	\$ 1,366,825
Base Estimate			\$ 4,556,084

INFLATION (See note 3 below)	15.8%	\$ 719,861
CONTRACT COST WITH INFLATION		\$ 5,275,945

CONTINGENCY (Applied to Base Estimate)	30.0%	\$ 1,366,825
2025 CONTRACT COST, INCLUDING CONTINGENCY		\$ 6,642,770

- NOTES:**
- Unit prices are generally from the CTDOT "English Bid Item List" dated Sept. 2022. Remaining unit prices are from other project files, Bid Item Lists, or engineering judgement. See computations dated 10-04-2022 for determination of unit prices.
 - See quantity computations dated 10-04-2022 for calculation of quantities.
 - An inflation factor 5% per year for three years (2022 to 2025) was utilized per "Connecticut DOT 2022 Cost Estimating Guidelines".
 - This opinion of probable construction costs has been prepared at the conceptual design phase of the project. These costs are therefore based on engineering judgement based on information from our files on similar projects, adjusted as believed necessary at this time to reflect the construction conditions expected to be encountered. These costs should be interpreted as indicating the order of magnitude of anticipated costs. Actual costs will be determined as a result of open competitive bidding by qualified contractors after construction contract documents for the project are advertised for bids. Within the qualifications given above, we believe the conceptual design opinion of probable construction costs provides a reasonable basis for evaluating the project budget.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PW-05
Project Name	Brigham Road Bridge Replacement

Type	Improvement	Department	Public Works
Useful Life	25 years	Contact	
Category	Infrastructure - Bridges	Priority	2 Very Important

Description	Total Project Cost: \$5,200,400
<p>During FY23, the State announced a grant submission period for the Federal Local Bridge Program that would be 100% funded rather than 80% funded. The Town took this opportunity to submit applications for two bridges that are in dire need of repair, one of which is Brigham Road.</p>	

Justification
<p>Grant fundign will cover 100% of bridge repair that is needed.</p>

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Planning/Design	556,650						556,650
Construction/Maintenance		4,643,750					4,643,750
Total	556,650	4,643,750					5,200,400

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan	556,650	4,643,750					5,200,400
Total	556,650	4,643,750					5,200,400

Budget Impact/Other



Jacobson

November 14, 2022

Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, Connecticut 06131-7546

Re: **Preliminary Application for Federal Local Bridge Program
100% Grant Funding**
Replacement of Bridge No. 04630
Brigham Road over Willimantic River
Coventry, Connecticut
NLJA #05190089

Dear Mr. Barrows:

On behalf of the Town of Coventry and in accordance with Public Act No. 16-151, please find the following enclosed documents for consideration in selecting the Replacement of Bridge No. 04630 Brigham Road over Willimantic River for 100% grant funding in the Federal Local Bridge Program:

1. Executed "Preliminary Application for the Local Bridge Program".

Attachment A:

1. "Bridge Inspection Report for Brigham Road over Willimantic River, Town of Coventry, Connecticut", dated 07-15-2021, prepared by the CTDOT.

Attachment B:

1. "Conceptual Design Drawings for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut".
2. "Outline Specifications for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut".

Attachment C:

1. "Preliminary Engineering Fees for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut".

Nathan L. Jacobson & Associates, Inc.
Nathan L. Jacobson & Associates, P.C. (NY)
86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337
Tel 860.526.9591 Fax 860.526.5416
Consulting Civil and Environmental Engineers Since 1972



Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for Federal Local Bridge Program 100% Funding**

Replacement of Bridge No. 04630 Brigham Road over Willimantic River
Coventry, CT

November 14, 2022

Page 2 of 4

Attachment D:

1. "2025 Conceptual Design Opinion for Probable Construction Costs for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut".

Existing Bridge

The Brigham Road bridge is located approximately 1,250' west of Route 32 (bridge location: lat. 41.797238, long. -72.299843) and spans the municipal boundary between Coventry and Mansfield. The bridge carries two lanes of bi-directional traffic on Brigham Road over the Willimantic River in a generally north-south orientation. The bridge is a single span structure consisting of a bituminous concrete wearing course on concrete deck on four steel I-beams on a concrete substructure. The structure clear span is 82 ft. and curb-to-curb deck width is 22 ft. The 12-31-2018 CTDOT Functional classification Map shows Brigham Road as a rural local road at the bridge. Average daily traffic (ADT) count is reported as 108 (2021) on the latest CTDOT Bridge Inspection Report (BIR) dated 07-15-2021.

Bridge rails do not meet current design standards, nor does the approach wire rope and wood post guide rail system.

According to the BIR (included in Attachment A), the construction date of the bridge is estimated to be 1956 and appears it has not been rehabilitated. The BIR indicates that the deck, superstructure, substructure, structural evaluation and deck geometry were rated 6, 7, 7, 7, 4 respectively. Scour critical rating was 3. As a result of this low scour critical rating, the structure is deemed in serious condition and eligible for replacement.

Proposed Bridge

It is proposed to build a new bridge behind and over the existing, designed for HL-93 live load. The existing superstructure will be removed and existing substructure cut down to an elevation above ordinary high water to provide a riparian shelf. The proposed bridge will be an integral abutment structure with abutments and wingwalls located behind the existing substructure and supported on piles. The proposed superstructure will consist of adjacent prestressed box beams topped with a concrete shear slab. The shear slab will be topped with a bituminous concrete wearing surface on a membrane waterproofing system (cold liquid elastomeric).

Based on the size of the contributing watershed and in accordance with the CTDOT Drainage Manual, the proposed superstructure will have 2 ft. of underclearance to the design storm which will result in raising



Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for Federal Local Bridge Program 100% Funding**

Replacement of Bridge No. 04630 Brigham Road over Willimantic River
Coventry, CT

November 14, 2022

Page 3 of 4

the roadway approximately 6 ft. A 100 ft. clear span is assumed, along with two 12 ft. wide travel lanes and no sidewalk. This clear span length and increase in road elevation are based solely upon conceptual studies and engineering judgement at this time for the purposes of securing funding. These design parameters will be fully studied and may change as a result of a detailed hydraulic analysis to be performed during the project design.

The structure will include concrete curb/parapets supporting a TL-3 bridge rail. Code compliant metal beam rail (R-B MASH) system will be installed at the four corners of the superstructure, terminating at concrete end walls and anchors.

The roadway will be closed for the construction. A stormwater pollution control plan including sedimentation and erosion control measures will be included. The CTDEEP NDDB, USFWS, SHPO and Inland Fisheries Division will be consulted regarding any fish passage requirements, time of year restrictions, or any historic concerns. Appropriate permits will be obtained before the start of construction.

Opinion of Probable Construction Costs

A Conceptual Design Opinion of Probable Construction Costs for this project has been prepared based on available information and is included herein with a detailed breakdown. This opinion has been prepared during the conceptual design of the project. The construction costs shown therein are therefore based on conceptual construction quantities, cost information from vendors, various CTDOT English Bid Item lists and information available from our files on similar projects, adjusted as believed necessary at this time to reflect the construction conditions expected to be encountered. These costs should be interpreted as indicating the order of magnitude of anticipated costs. Actual costs will be determined as a result of open competitive bidding by qualified contractors after construction contract documents for the project are advertised for bids. Within the qualifications given above, we believe the conceptual design opinion of probable construction costs provides a reasonable basis for establishing the project budget.

The Total Estimated Project Cost, including construction costs, preliminary engineering fees, construction engineering and contingencies amounts to \$5,200,400. Upon selection by the CTDOT, we understand that a 100% financial grant would be available under the Federal Local Bridge Program for this project.



Mr. James R. Barrows II, P.E.
Project Engineer for the Federal Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for Federal Local Bridge Program 100% Funding**

Replacement of Bridge No. 04630 Brigham Road over Willimantic River
Coventry, CT

November 14, 2022

Page 4 of 4

If there are any questions, feel free to contact me.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read 'J. Howard Pfrommer'.

Date: 2022.11.14
09:20:32 -05'00'

J. Howard Pfrommer, P.E.

JHP/jhp

Encl.

cc: Todd M. Penney, P.E., w/ encl.
Geoffrey L. Jacobson, P.E. w/ encl.
DocStar

L:\05190089 Two FLBP pre-apps, Coventry\Brigham 04630\SLBP Pre-app\1. 11-14-2022 Barrows_Brigham.docx



CONNECTICUT DEPARTMENT OF TRANSPORTATION



LOCAL BRIDGE PROGRAM

PRELIMINARY APPLICATION

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

Bridge Location: Brigham Road over Willimantic River

Bridge Number: 04630 Structure Length: 87.0 feet Curb-to-Curb Width: 22.0 feet

Sufficiency Rating: 86.00 % Priority Rating: %

Evaluation & Rating Performed by: State Forces Others

Inspection Report performed under NBIS rules must accompany this application (or referenced if performed by the state). Screenings or other evaluations are not sufficient.

If Others, Name of Professional Engineer: _____

Connecticut Professional Engineers License Number: _____

Engineering Firm: _____

Engineer's Address: _____

Engineer's E-mail Address: _____

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

Description of Project Scope: A *(note Bridge Repair Code as per Figure 5-1 of the current Local Bridge Program Manual; attach narrative/preliminary plans & specifications).*

Name of Municipal Official to Contact: Todd Penney, P.E.

Title: Town Engineer/Wetlands Agent Telephone: (860) 742-4078 Ext: 3 Fax: (860) 742-4059

Mailing Address: 1712 Main Street, Coventry, CT 06238

E-mail: tpenney@coventryct.org

Anticipated Schedule:

(MM/DD/YYYY)

Public Meeting Conducted: 06/14/2023

Design Completion: 08/14/2024

Property Acquisition Completion: 08/14/2024

Utilities Coordination Completion: 08/14/2024

Construction Advertising: 10/16/2024

Supplemental Application Submission: _____
(Not applicable for Federal Local Bridge Program Projects)

Start of Construction: 04/01/2025

Completion of Construction: 11/30/2025

Local Bridge Program – Preliminary Application

Bridge Number 04630, Town/City/Borough of Coventry

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees)	\$ <u>556,650.00</u>
Rights-of-Way Cost (If applicable)	\$ <u>5,000.00</u>
Municipally Owned Utility Relocation Cost	\$ <u>0.00</u>
Estimated Construction Costs (Include Detailed Estimate)	\$ <u>3,711,000.00</u>
Construction Engineering (Inspection, Materials Testing)	\$ <u>556,650.00</u>
Contingencies (10% of Construction Costs Only)	\$ <u>371,100.00</u>
Total Estimated Project Cost	\$ <u>5,200,400.00</u>

Financial Aid Data:

NOTE: funding limited to Eligible Bridges as published at www.ct.gov/dot/localbridge or those found to be eligible in accordance with Section 2.3 – Priority Lists of the current Local Bridge Program Manual.



Federal Reimbursement:

Total Estimated Project Cost multiplied by 80%:

Federal Aid Request \$ 4,160,320.00

Note: Conventional federal contribution percentage shown. Program staff will discuss any other potential funding options after bridge application eligibility is established.



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

Total Estimated Project Cost multiplied by 50%:

Project Grant Request: \$ _____

Other Source of State or Federal funding received/applied for: \$ 0.00, State/Federal 0
Funding program: NA

I hereby certify that the above is accurate and true, to the best of my knowledge and belief. I also certify that this form has not been modified in any way from that distributed by the Department of Transportation.

Signature: [Handwritten Signature] Date: 11/3/2022

Name: John A. Elsesser Title: Town Manager.
(Must be signed by Chief Elected Official, Town Manager, or other Officer Duly Authorized)

Submit application by email to Francisco.Fadul@ct.gov and dot-flbp@ct.gov

ATTACHMENT A

Attached 07-15-2021 *Bridge Inspection Report* for Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut:

Bridge Inspection Report Pages 1 to 46



BRIDGE NO. 04630

17800 - COVENTRY
BRIGHAM ROAD
over
WILLIMANTIC RIVER

Routine Inspection

7/15/2021

Inspected by: PRIME AE



Report Title Page

Bridge No. 04630, Brigham Road over Willimantic River, Coventry, CT

Date of Inspection: 07/15/2021



Professional Certification: I hereby certify that this report, including all its contents, has been approved by me, and that I am a duly licensed professional engineer under the laws of the State of Connecticut.

Signature:



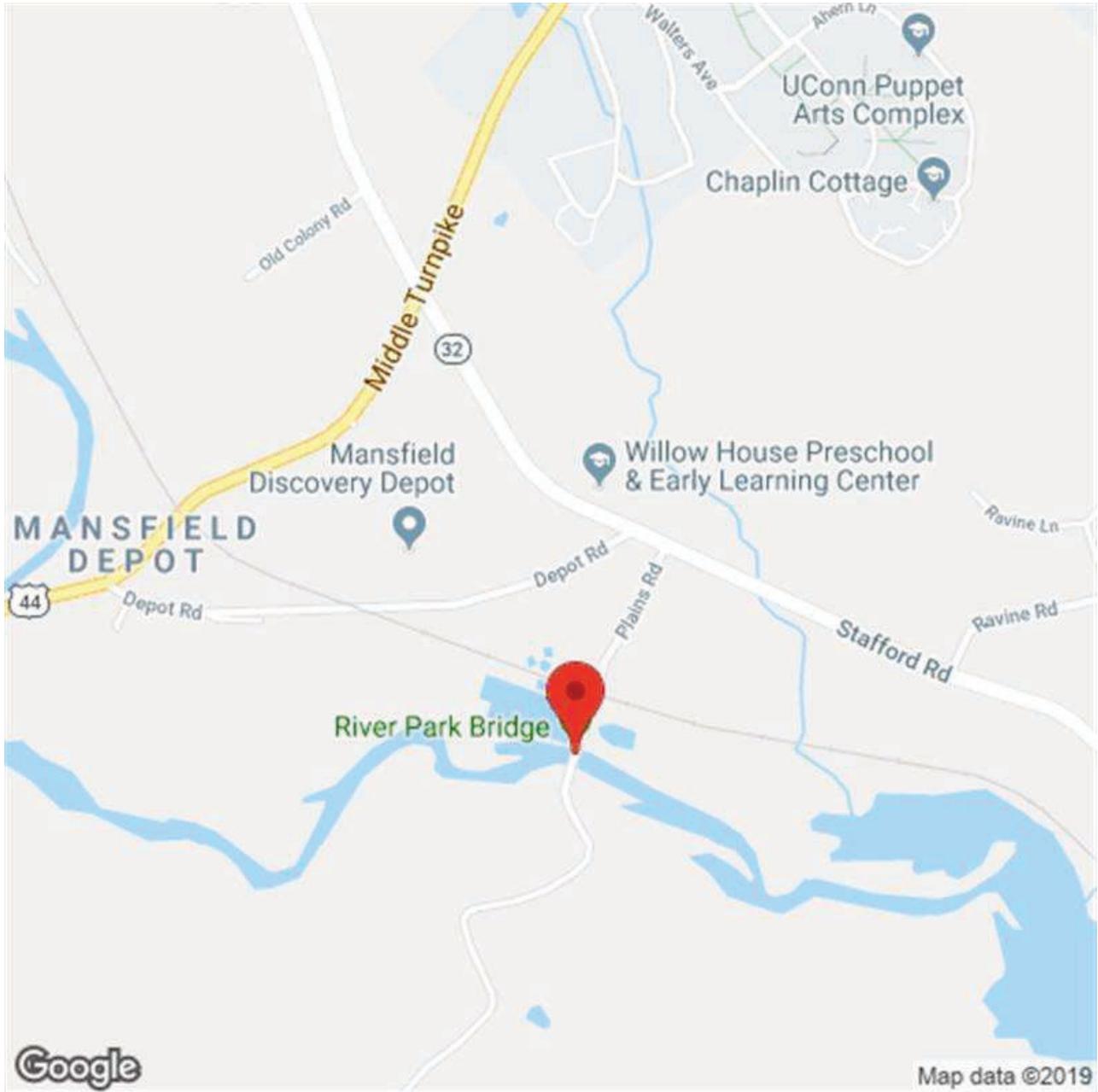
License No.: 20458

Date: 11/08/2021

Form: Location
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Location Map # 1
Bridge No. 04630
Brigham Road over Willimantic River
Coventry, CT
Latitude: 41° 47' 49.96"
Longitude: -72° 17' 59.47"

In-Depth Components

Bridge: 04630

Town: 17800 - COVENTRY



Carried: BRIGHAM ROAD

Crossed: WILLIMANTIC RIVER

In-Depth - 1

Component: Concrete Deck

Comments: - 100% of suspected areas and 25% of areas showing no apparent deterioration at the deck, deck overhangs and parapet fascia over Willimantic River should be sounded.

Access Requirements: - 60' snooper with lane shifting on Brigham Rd or boat with planking based on water level below.

Last Inspected: Frequency: Inspection Due Date:

In-Depth - 2

Component: Steel Expansion Bearings

Comments: - Measurements of all sliding expansion bearings at Abutment 1.

Access Requirements: - 60' snooper, lane shifting on Brigham Rd and local police or Inspection boat with planking.

Last Inspected: Frequency: Inspection Due Date:

Form: BRI-19, Rev. 2/15
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

STRUCTURE INVENTORY & APPRAISAL

INSPECTION

Structurally Deficient Functionally Obsolete
Sufficiency Rating
(90) Inspection Date (91) Frequency
Indepth Insp Proposed next Indepth Year
Deck Survey Date Class
Access Flagman

	Frequency	Date	Type
Fracture	<input type="text"/>	<input type="text"/>	<input type="text"/>
Underwater	<input type="text" value="24"/>	<input type="text"/>	<input type="text" value="B Underwater Only"/>
Special	<input type="text"/>	<input type="text"/>	<input type="text"/>

IDENTIFICATION

Bridge Name
Town Code - Name
(5) Inventory Route
(A) Record Type
(B) Signing Prefix
(C) Level of Service
(D) Route Number.
(E) Dir Suffix
(6A) Featured Intersected
(6B) Critical Facility Indicator
(7) Facility Carried
(9) Location
(11) Mile Post Miles
(16) Latitude Deg. Min. Sec.
(17) Longitude Deg. Min. Sec.
(98) Border Bridge
(A) State Code (B) Percent Responsibility %
(C) Border Town Name
(99) Border Bridge Structure No.

STRUCTURE TYPE & MATERIALS

(43) Structure Type, Main
A) Material
B) Design Type
(44) Structure Type, Approach
A) Material
B) Design Type
(45) Number of Spans, Main Unit
(46) Number of Approach Spans
(107) Deck Structure Type
(108) Wearing Surface/Protection Systems
A) Type of Wearing Surface
B) Type of Membrane
C) Type of Deck Protection
Substructure
A) Material
B) Design Type
Paint
Type
Year
Comment

GEOMETRIC DATA

(48) Length of Maximum Span ft.
(49) Structure Length ft.
(50) Curb or Sidewalk Widths
A) Left ft. in. B) Right ft. in.
(51) Bridge Roadway Width Curb to Curb ft. in.
(52) Deck Width, Out to Out ft. in.
(32) Approach Roadway Width ft.

Form: BRI-19, Rev. 2/15
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

(33) Bridge Median
Deck Area sq. ft.
(34) Skew Angle deg.
(35) Structure Flared
(10) Inv. Rte. Min. Vert. Clearance ft. in.
(47) Inv. Rte. Total Horiz. Clr. ft. in.
Log Inv. Rte. Total Horiz. Clr. ft. in.
RLog Inv. Rte. Total Horiz. Clr. ft. in.
(53) Min. Vert. Clearance Over Bridge ft. in.
(54) Log-Min. Vert. Underclearance ref. ft. in.
(55) Min. Lat Underclearance on Right ref. ft. in.
(56) Min. Lat Underclearance on Left ft. in.

CONDITION

(58) Deck
(59) Superstructure
(60) Substructure
(61) Channel & Channel Protections
(62) Culverts
(36) Traffic Safety Features
A) Bridge Railings
B) Transitions
C) Approach Guardrail
D) Approach Guardrail Ends

WATERWAY

Drainage Basin Waterway
(38) Navigation Control
(39) Navigation Vertical Clearance ft.
(40) Navigation Horiz. Clr. ft.
(111) Pier/Abutment Navigation
(116) Vert-Lift Brg Nav Min ft. in.

AGE AND SERVICE

Year Built (106) Year Reconstructed
(42) Type of Service
A) On
B) Under
(28) Number of Lanes
A) On B) Under
(29) Average Daily Traffic
Is Above Half ADT?
(109) Percent Truck %
(30) Years of ADT
(19) Bypass, Detour Length Miles

APPRAISALS

(67) Structural Evaluation
(68) Deck Geometry
(69) Underclearances, Vert. & Horiz.
(71) Waterway Adequacy
(72) Approach Roadway Alignment
(113) Scour Critical

COMMENTS

CLASSIFICATION

(112) NBIS Bridge Length
(104) Highway System
(26) Functional Class
(100) Defense Highway
(101) Parallel Structure
(102) Direction of Traffic

Form: BRI-19, Rev. 2/15
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

(103) Temporary Structure
(110) Designated National Network
(20) Toll
(21) Maintain
(22) Owner
Report Class
(37) Historical Significance

POSTED SIGNS

Other Posted Sign 1
Other Posted Sign 2

	Actual	Recomended	
Posted Load Single Unit Truck	<input type="text"/>	<input type="text"/>	tons
Posted Load Semi-Trailer Truck	<input type="text"/>	<input type="text"/>	tons
Posted Load 4 Axle Truck	<input type="text"/>	<input type="text"/>	tons
Posted Load 3S2 Truck	<input type="text"/>	<input type="text"/>	tons
All Vehicles	<input type="text"/>	<input type="text"/>	tons
Posted Vert. Clearance on Bridge	<input type="text"/> ft.	<input type="text"/> in.	
Posted Vert. Underclearance	<input type="text"/> ft.	<input type="text"/> in.	
Posted Speed Limit on Bridge	<input type="text"/> m.p.h.		

OTHER FEATURES

Fence Required
Fence Present
Fence Type
Fence Height
Fence Material
Fence Top Type
Barrel Ladders
Stand Pipes
Catwalks
Moveable Inspection System
Haunches Present over Roadway
Utilities

PROPOSED IMPROVEMENTS

(75A) Type of Work Proposed
(75B) Work Done By
(76) Length of Structure Improvement ft.
(94) Bridge Improvement Cost \$
(95) Roadway Improvement Cost \$
(96) Total Project Cost \$
(97) Year of Improvement Estimate
(114) Future ADT
(115) Year of Future ADT
DOT Bridge Program List No
Project No
Advertised Date

LOAD RATING & POSTING

(31) Design Load
(63) Operating Rating Type
(64) Operating Rating
(65) Inventory Rating Type
(66) Inventory Rating
Evaluation Code
Year of Evaluation
(70) Bridge Posting
(41) Structure Status

Form: BRI-19, Rev. 2/15
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS

INSPECTOR'S SIGNATURES:

- 1)  Date: 09/23/2021
- 2)  Date: 09/23/2021
- 3)  Date: 09/23/2021
- 4) _____ Date: _____

P.E. SIGNATURE:  Date: 11/08/2021
P.E. # _____ PEN.0020458
Reviewed By:  Date: 11/10/2021
Adam Taddonio

Form: BRI-18, Rev. 1/14
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

FIELD INSPECTION REPORT

Location:	AT MANSFIELD TOWN LINE	Year Built:	1956	Snooper Required: <input type="checkbox"/>
Main Material:	3 - Steel	Year Rebuilt:		Snooper Used: <input type="checkbox"/>
Main Design:	02 - Stringer/Multi-beam or			

Inspectors:

Lead Inspector:	Elvis Agolli
Inspector:	Task:
Agolli,Elvis	BSE - Inspector Rail - Inspector
Akbaba,Kemal	BSE - Inspector
Area,14	BSE - Inspector
Greener,Edward	BSE - Inspector Rail - Inspector
Hartley,Nicholas	BSE - Inspector Rail - Inspector
Nyei,Anwar	BSE - Inspector Rail - Inspector

Visits:

Visit Date:	Temp:	Start Time:	End Time:
07/15/2021	85	12:00 PM	01:30 PM
08/27/2021	85	08:30 AM	11:30 PM

58. DECK:

- Bituminous concrete overlay.
- Reinforced concrete deck.

Overall Rating: 6

Rating

Overlay: 6 Bituminous concrete overlay:
 - Transverse cracks, longitudinal cracks and mapcracking open up to 1/4" wide.
 - Longitudinal paving seam is open up to 1/8" wide along the center of roadway.
 - Previously noted pothole with exposed deck adjacent to Abutment 2 deck joint has been repaired since last inspection.

 Priority repair work item for pothole with exposed deck adjacent to Abutment 2 deck joint has been addressed (Work Item ID: 04630-2017-0003).

 See Top of Deck Sketch and Photos 8 and 9.

Deck - Str. Condition: 6 Reinforced concrete deck:
 - Random concrete patches, transverse cracks and areas of hairline mapcracking with and without efflorescence.
 - Shallow rebars up to 8" long.
 - Hollow areas up to 7' long x 5' wide (Bay 2, Panel 5).
 - Spalls up to 2' long x 2' wide x 2" deep with and without exposed rebar (Bay 2, Panel 5).
 - Bay 3, Panel 4 has a small 1" x 1" hole (as-built) with leakage running onto steel girder.

 Routine repair work item for small hole (as-built) with leakage running onto steel girder has not been addressed (Work Item ID: 04630-2019-0005).

 See Top of Deck & Underside of Deck & Framing Plan Sketches and Photos 10-13.

Curbs: N - Integral to bridge parapet. See item "Parapet" below.

Median: N

Sidewalks: N

Parapet: 7 Reinforced concrete rail base:
 - Minor chipping at ends and minor scaling with light to moderate cracking and graffiti throughout.

Form: BRI-18, Rev. 1/14
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

	- East rail base has 5" high shallow rebar at Abutment 2. Average west curb reveal = 10-1/3". Average east curb reveal = 10-1/2". See Top of Deck Sketch and Photo 14.
Railing: 6	H-section posts with channel cap and two (2) wire ropes: - Light rust on channel cap and post base plates at random locations. - Minor slack on east wire ropes. - West rail end post at north end, northeast anchor bolt nut has rusted through (not visible due to heavy vegetation). - East rail has (2) of (3) wire ropes broken at Abutment 2. - Posts and railing have light graffiti throughout. See Top of Deck Sketch and Photo 14.
Paint: N	
Fence: N	
Drains: N	
Lighting Standard: N	
Overall Utility Condition Rating	
Utility Type/Size	
N No Utilities present	

Construction Joints: N	
Expansion Joint: N	- No expansion deck joints at the bridge. - South approach pavement is settled and separated up to 1" from the deck ends which is filled with sand debris. See Top of Deck Sketch.

Haunches Present over travelway?

APPROACH CONDITION:

- Bituminous concrete pavement on the north approach and gravel road on the south approach. Overall Rating: 3
 - Two (2) cable guide rails on all four corners.

Rating

Approach Slab: N	
Relief Joints: N	
Approach Guide Rail: 3	Two cable guide rails: - Guide rails are covered with heavy vegetation. - Southeast guide rail has failed with random missing posts with cables lying on the ground. Guiderail is also covered in heavy vegetation and poison ivy. ConnDOT was notified via email on 7/15/2021. - Northeast guide rail top cable is detached from the 1st post. - Northwest approach guiderail has overgrown vegetation which is encroaching into the travel way. ConnDOT was notified via email on 7/15/2021. Priority repair work item for failed southeast guide rail has not been addressed (Work Item ID: 04630-2017-0002). See Top of Deck Sketch and Photo 15.
Approach Pavement: 4	South approach pavement: - Gravel road with bituminous transition pavement that is deteriorating up to 12' long x 6' wide.

Form: BRI-18, Rev. 1/14
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

- Random potholes up to 32" wide x 2' long x 3" deep (filled with water) throughout the end pavement. ConnDOT was notified via email on 7/15/2021.
- Heavy raveling for full width x 2' long near approach pavement transition.
- Settled pavement 1" high x full length with respect to the bridge deck/pavement.
- Separation between south approach pavement and bridge deck for full width x 1" wide.

North approach pavement:

- Bituminous patch/ramp on the approach transition.

Routine repair work item for separation between south approach pavement and bridge deck has not been addressed (Work Item ID: 04630-2017-0004).

See Top of Deck Sketch and Photos 4, 7, 16 and 17.

Approach Embankment: 5

- Southwest embankment has full length x 3' wide x 15" deep runoff erosion behind the wingwall.
- Southeast embankment has full length x 2' wide x 1' deep runoff erosion behind the wingwall.
- Northwest embankment has full length x 3.5' wide x up to 3' deep runoff erosion behind the wingwall.
- Northeast embankment has 10' long x 5' wide x 18" deep runoff erosion behind the wingwall.
- Northeast corner, near Abutment 2 with a 4' long x 2' wide x 14" deep area of erosion.

Routine repair work item for runoff erosion has not been addressed (Work Item ID: 04630-2017-0001).

See Top of Deck Sketch and Photo 18.

Traffic Safety Features

Bridge Railings: 0 - Not meeting current standards (open bridge rail).

Transitions: 0 - Not meeting current standards (two cable guide rail with weak posts).

Approach Guardrails: 0 - Not meeting current standards (two cable guide rail with weak posts).

Approach Guardrail Ends: 0 - Not meeting current standards (failed guide rail at the southeast corner).

59. SUPERSTRUCTURE:

- Simple span structure with four (4) rolled steel beams with partial length welded cover plates on the bottom flange.

Overall Rating: 7

Rating

Bearing Devices: 6

- Sliding steel expansion bearings at Abutment 1:
- All bearing are in contraction mode at 80 degree Fahrenheit
 - Girder G1 bearing, east anchor bolt nut backed off 1/4".
 - Lateral misalignment between sole and sliding plate up to 5/16" (Girder G2).

Fixed steel bearings at Abutment 2:

- Girder G1 bearing, west anchor bolt nut backed off 1/2".

Rating has been revised from '7' to '6' due to expansion bearing being in contraction mode which are not behaving as they were designed .

See Underside of Deck & Framing Plan Sketch, Sliding Bearing Measurement Sheets (BRI-14) and Photos 19-21.

Stringers: N

Girders: 7

- Rolled steel beams with partial length welded cover plates on the bottom flange:
- Minor peeling paint.
 - Moderate graffiti on the girders.
 - Girder G4 west elevation in Panel 4 has deteriorated paint due to leakage running onto steel girder.

See Underside of Deck & Framing Plan Sketch and Photos 2, 3, 10 and 13.

Floor Beams: N

Form: BRI-18, Rev. 1/14
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

Trusses - General:	N	
Trusses - Portals:	N	
Trusses - Bracing:	N	
Paint:	7	- Less than 5% peeling paint.
Rust:	7	- See items above.
Machinery Movable Span:	N	
Rivets & Bolts:	N	
Welds - Cracks:	7	All cover plate end welds (Fatigue Category E) were inspected 100% hands-on. There are no deficiencies noted. - There are gumball welds at random diaphragms to vertical connection plates. See Underside of Deck and Framing Plan Sketches and Photos 10 and 22.
Timber Decay:	N	
Concrete Cracking:	N	
Collision Damage:	8	
Member Alignment:	8	
Deflection Under Load:	N	
Vibration Under Load:	N	
Stand Pipes:	N	
Catwalks:	N	
Movable Inspection System:	N	
Barrel Ladders:	N	
Are Barrel Ladders OSHA Compliant?		NA

60. SUBSTRUCTURE:

- Reinforced concrete abutments and wingwalls founded on spread footing. Overall Rating: 7

Rating

Abutments - Stem:	7	Reinforced concrete abutment stem: - Minor graffiti and evidence of past leakage. - Band of abrasion up to 1/4" deep along the stem extending from waterline to 1.5' above. - Isolated hairline cracks on abutment stems. Also, see the 2021 Underwater Inspection Report. See Abutment Sketches and Photos 23 and 24.
Abutments - Backwall:	7	Reinforced concrete backwalls: - Isolated vertical cracks with and without efflorescence. - Evidence of leakage through the deck ends. See Abutment Sketches and Photos 23-25.
Abutments - Footings:	N	- Per 2021 Underwater Inspection Report, the abutment footings are not exposed.
Abutments - Settlement:	8	- None observed.
Abutments - Wingwalls:	7	Reinforced concrete wingwalls: - Light to moderate graffiti on walls. - Band of abrasion up to 1/4" deep extending from waterline to 1.5' above. Also, see the 2021 Underwater Inspection Report. See Wingwall Sketches and Photo 26.

Form: BRI-18, Rev. 1/14
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

Piers/Bents - Caps:	N	
Piers/Bents - Pile Bent:	N	
Piers/Bents - Columns:	N	
Piers/Bents - Footings:	N	
Piers/Bents - Settlement:	N	
Erosion - Scour:	5	Erosion - Rated -5 - There is runoff erosion behind all wingwalls. Also, see item " Approach Embankment" above. Scour- Rated -6 - Per 2021 Underwater Inspection Report, there is scour in the channel "(greater then 1.0' deep) along Abutment 1 and (no significant variations) along Abutment 2 as compared to the 2019 inspection".
Concrete Crack - Spall:	7	- See the items above.
Steel Corrosion:	N	
Paint:	N	
Timber Decay:	N	
Collision Damage:	8	
Debris:	7	

61. CHANNEL AND CHANNEL PROTECTION:

Rating based on 2021 Underwater Inspection Report.

Overall Rating: 6

Rating

Channel - Scour:	6	6 - The rating is based on 2021 Underwater Inspection Report. See Underwater Report for details.
Embankment - Erosion:	5	5 - The rating is based on 2021 Underwater Inspection Report. See Underwater Report for details.
Debris:	6	6 - The rating is based on 2021 Underwater Inspection Report. See Underwater Report for details. -There are several fallen trees and timber debris in the channel. See Channel Diagram Sketch.
Vegetation:	6	6 - The rating is based on 2021 Underwater Inspection Report. See Underwater Report for details.
Channel Change:	6	6 - The rating is based on 2021 Underwater Inspection Report. See Underwater Report for details and Channel Cross Section Sketch.
Fender - System:	N	
Spur Dikes and Jetties:	N	
Rip Rap:	N	

62. CULVERTS AND RETAINING WALLS:

Overall Rating: N

Rating

Barrel:	
Concrete:	

Form: BRI-18, Rev. 1/14
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

Steel:	
Timber:	
Headwall:	
Cutoff Wall:	
Debris:	
Retaining Wall System:	
Footing:	

LOAD POSTING:

Rating

Single Unit (Tons):	
Semi Trailer (Tons):	
4 Axle (Tons):	
3S2 (Tons):	
All Vehicles:	
Advanced Warning:	N
Warning At Bridge:	
Legibility:	N
Visibility:	N

VERTICAL CLEARANCE POSTING

Min. Vert Under Clearance:		Ft		In	
Posted Clearance Under Bridge:		Ft		In	
Posted Clearance On Bridge:		Ft		In	
Advanced Warning:	False				
Warning At Bridge:					
Legibility:					
Visibility:					

NOTES / COMMENTS:

Character of Traffic: - Light volume with mixed weight traffic.

Additional Notes:

- Bridge identification number is clear and legible. See Photo 1.
- Bridge is logged from south to north with Girder G1 located along the west fascia, which is consistent with previous inspection reports. Willimantic River flows from west to east.
- Inspection boat with planking (used for underside of deck inspection), local trooper and lane closures used to complete inspection.
- Heavy poison ivy growth at southeast approach corner.

Additional Comments:

- There are four (4) outstanding work items associated with this inspection report.

National Bridge Elements
 Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	Mod.	2231	sq. ft.	2125	97	9	0
1080 - Delamination/Spall/Patched Area		61		0	52	9	0
1090 - Exposed Rebar		8		0	8	0	0
1120 - Efflorescence/Rust Staining		21		0	21	0	0
1130 - Cracking (RC and Other)		16		0	16	0	0
510 - Wearing Surfaces		1914	sq. ft.	1531	0	383	0
3220 - Crack (Wearing Surface)		383		0	0	383	0
107 - Steel Open Girder/Beam	Mod.	330	ft.	330	0	0	0
515 - Steel Protective Coating		3583	sq. ft.	3583	0	0	0
215 - Reinforced Concrete Abutment	Mod.	60	ft.	0	60	0	0
1120 - Efflorescence/Rust Staining		2		0	2	0	0
1190 - Abrasion/Wear (PSC/RC)		58		0	58	0	0
311 - Movable Bearing	Mod.	4	each	3	1	0	0
1020 - Connection		1		0	1	0	0
515 - Steel Protective Coating		4	sq. ft.	4	0	0	0
313 - Fixed Bearing	Mod.	4	each	3	1	0	0
1020 - Connection		1		0	1	0	0
515 - Steel Protective Coating		4	sq. ft.	4	0	0	0
330 - Metal Bridge Railing	Mod.	175	ft.	166	9	0	0
1000 - Corrosion		9		0	9	0	0
515 - Steel Protective Coating		175	sq. ft.	166	9	0	0
3440 - Effectiveness (Steel Protective Coatings)		9		0	9	0	0

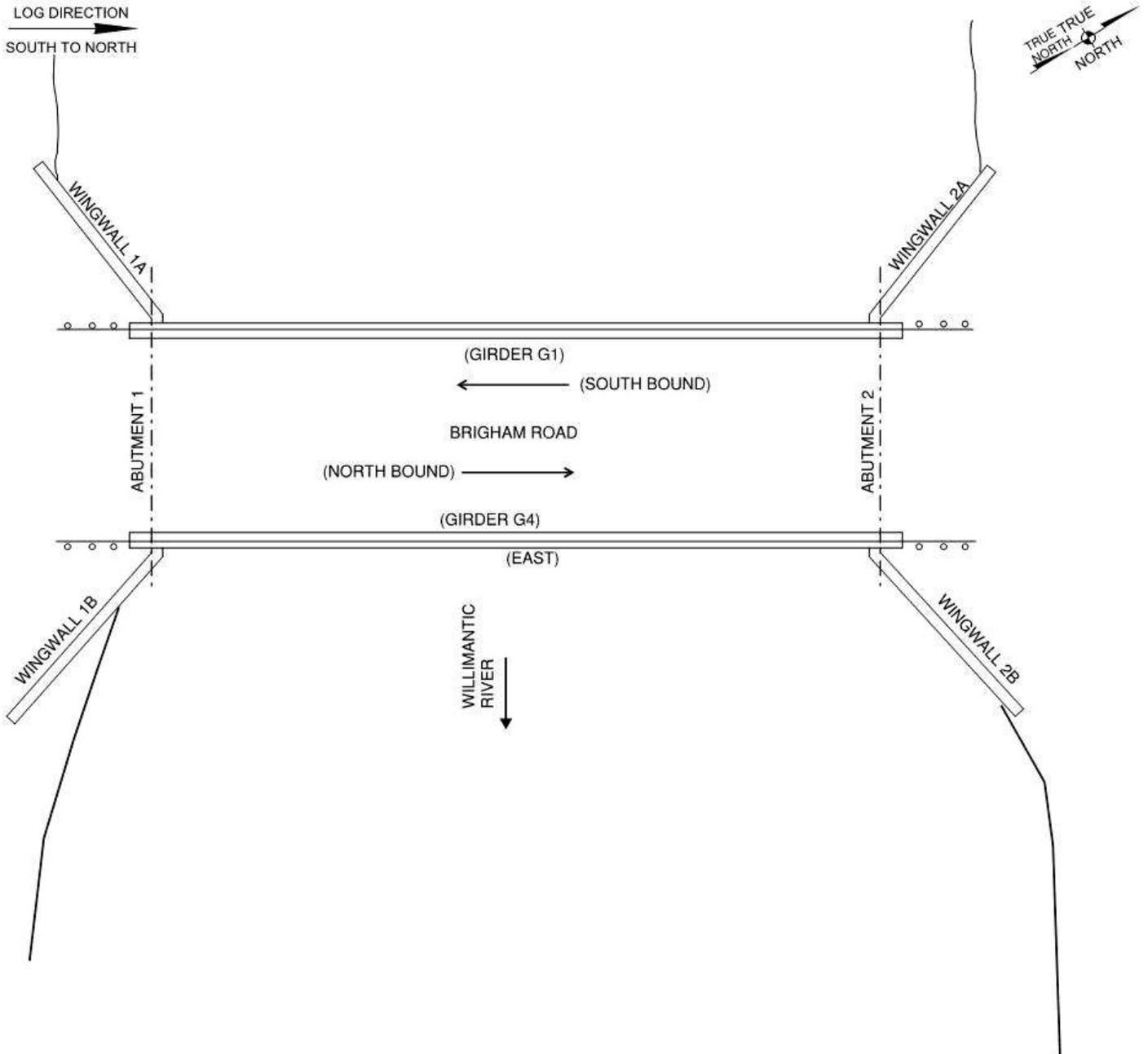
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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KEY PLAN

REVISION <u>A</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>2</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

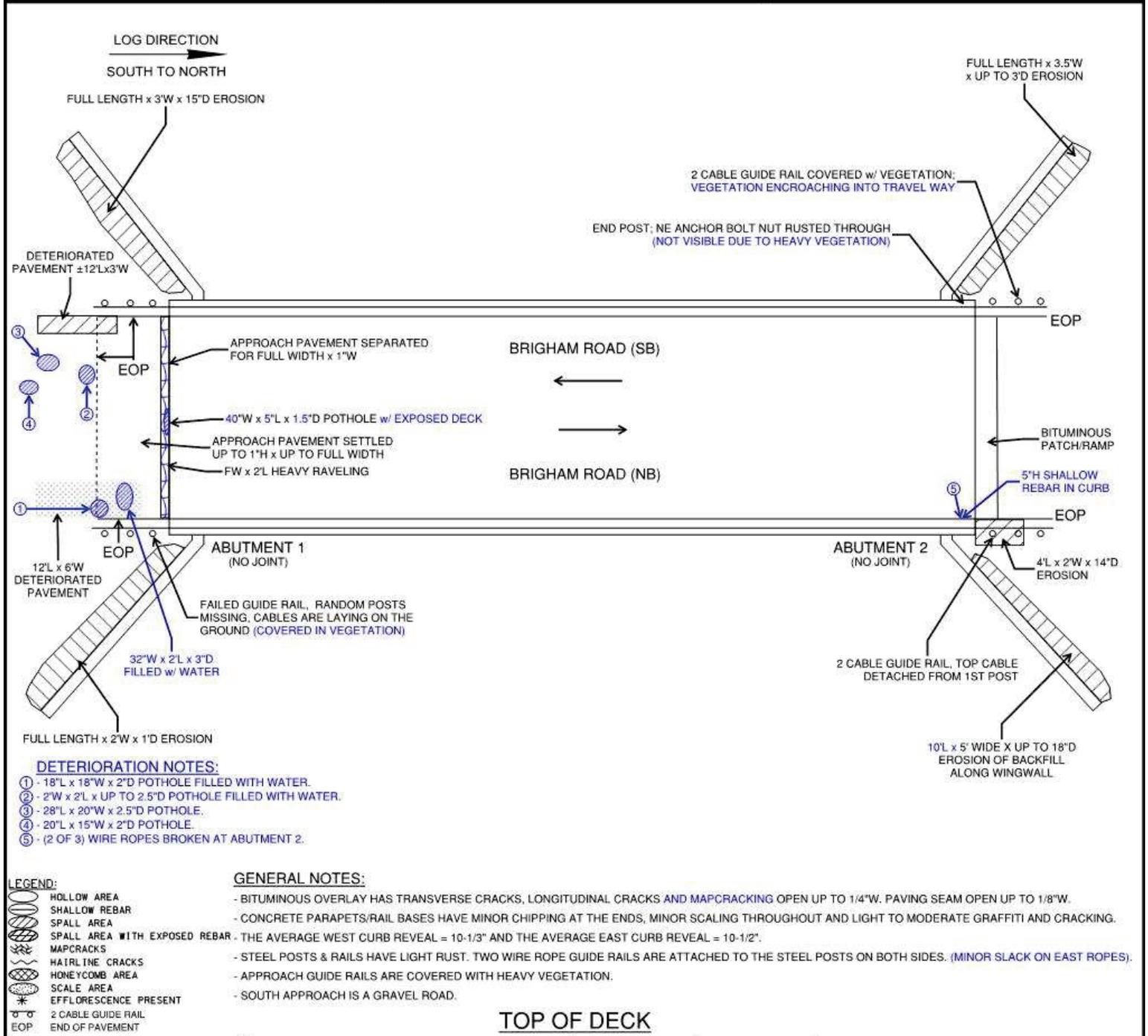
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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DETERIORATION NOTES:

- ① - 18"L x 18"W x 2"D POT HOLE FILLED WITH WATER.
- ② - 2"W x 2"L x UP TO 2.5"D POT HOLE FILLED WITH WATER.
- ③ - 28"L x 20"W x 2.5"D POT HOLE.
- ④ - 20"L x 15"W x 2"D POT HOLE.
- ⑤ - (2 OF 3) WIRE ROPES BROKEN AT ABUTMENT 2.

GENERAL NOTES:

- BITUMINOUS OVERLAY HAS TRANSVERSE CRACKS, LONGITUDINAL CRACKS AND MAPCRACKING OPEN UP TO 1/4"W. PAVING SEAM OPEN UP TO 1/8"W.
- CONCRETE PARAPETS/RAIL BASES HAVE MINOR CHIPPING AT THE ENDS, MINOR SCALING THROUGHOUT AND LIGHT TO MODERATE GRAFFITI AND CRACKING.
- THE AVERAGE WEST CURB REVEAL = 10-1/3" AND THE AVERAGE EAST CURB REVEAL = 10-1/2".
- STEEL POSTS & RAILS HAVE LIGHT RUST. TWO WIRE ROPE GUIDE RAILS ARE ATTACHED TO THE STEEL POSTS ON BOTH SIDES. (MINOR SLACK ON EAST ROPES).
- APPROACH GUIDE RAILS ARE COVERED WITH HEAVY VEGETATION.
- SOUTH APPROACH IS A GRAVEL ROAD.

LEGEND:

- HOLLOW AREA
- SHALLOW REBAR
- SPALL AREA
- SPALL AREA WITH EXPOSED REBAR
- MAPCRACKS
- HAIRLINE CRACKS
- HONEYCOMB AREA
- SCALE AREA
- EFFLORESCENCE PRESENT
- 2 CABLE GUIDE RAIL
- END OF PAVEMENT

TOP OF DECK

REVISION A	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION B	DATE:	CREW:
REVISION A	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION A	DATE:	CREW:

Sketches

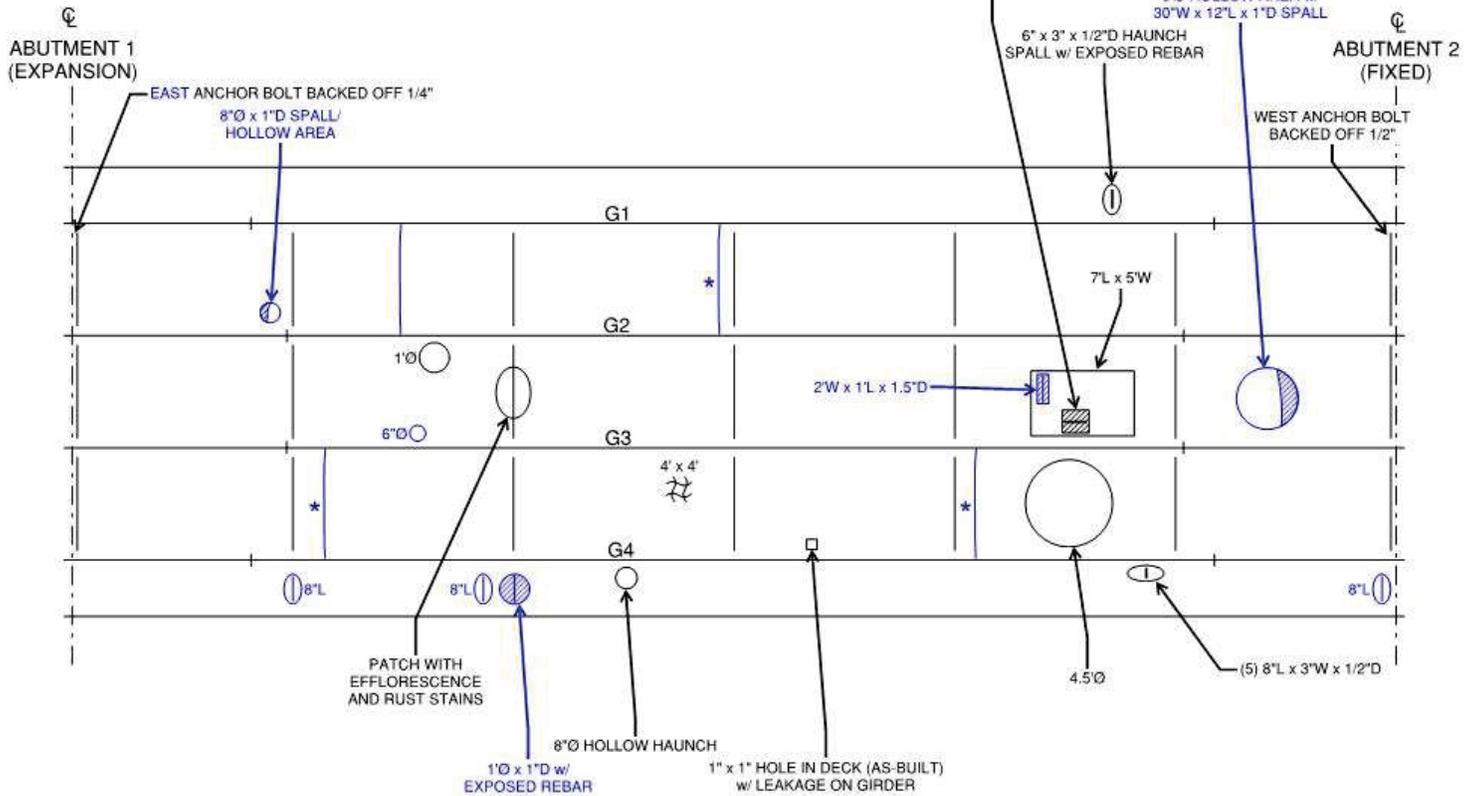
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 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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LOG DIRECTION
 SOUTH TO NORTH



- LEGEND:**
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT
 - BOTTOM FLANGE COVER PLATE TRANSITION

GENERAL NOTES:

- THE UNDERSIDE OF DECK HAS TRANSVERSE HAIRLINE CRACKS, HAIRLINE MAPCRACKS WITH AND WITHOUT EFFLORESCENCE, AND RANDOM CONCRETE PATCHES THROUGHOUT.
- PIGEON DEBRIS ON TOP OF BOTTOM FLANGE AND DIAPHRAGM CHANNELS AT ISOLATED LOCATIONS.

UNDERSIDE OF DECK & FRAMING PLAN

REVISION <u>1</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>2</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

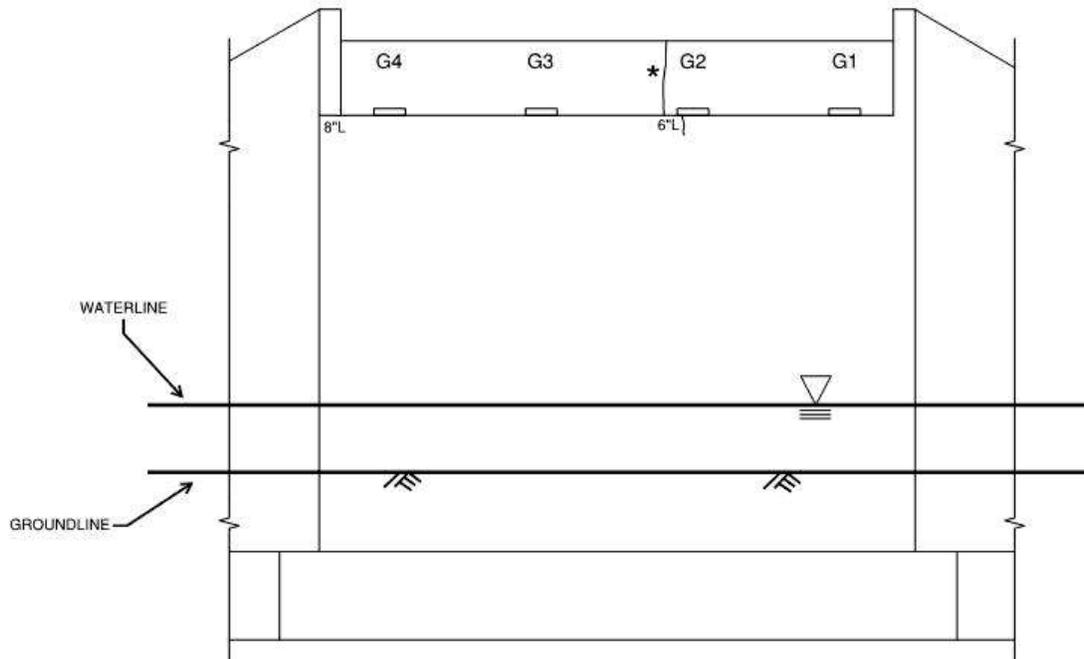
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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- LEGEND:**
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

GENERAL NOTES:

- THERE ARE ISOLATED VERTICAL HAIRLINE CRACKS ON THE STEM ABOVE THE WATERLINE.
- BAND OF ABRASION UP TO 1/4" DEEP EXTENDING FROM WATERLINE TO 1.5' ABOVE.
- THERE ARE AREAS OF LIGHT GRAFFITI AND EVIDENCE OF LEAKAGE THROUGH DECK END.

ABUTMENT 1

REVISION DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION DATE:	CREW:
REVISION DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION DATE:	CREW:

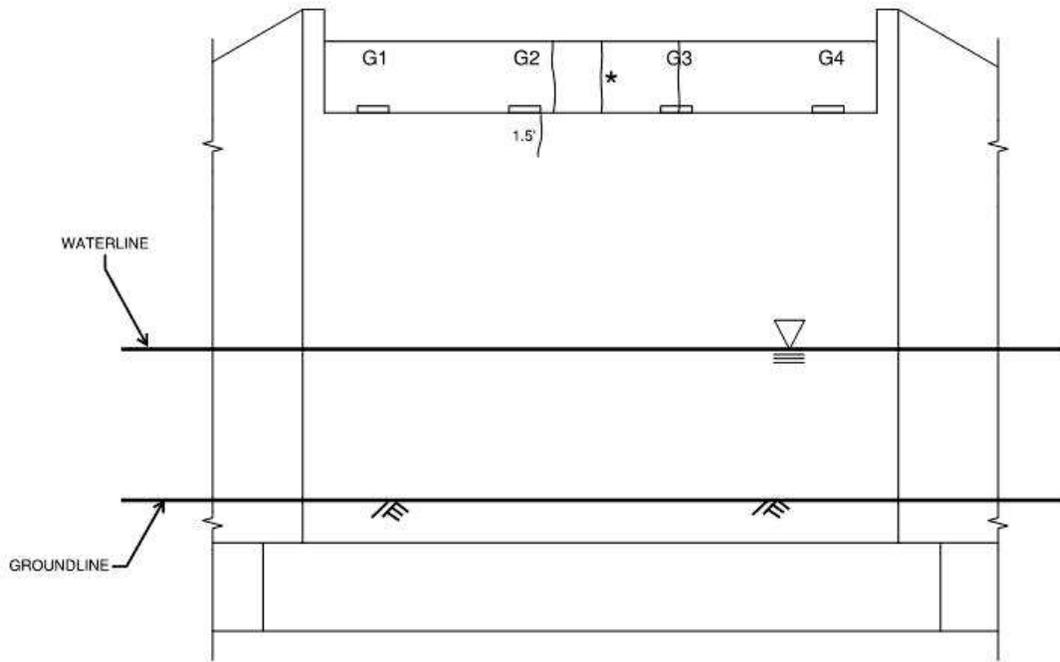
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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- LEGEND:**
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

GENERAL NOTES:
 - SEE "ABUTMENT 1" GENERAL NOTES.

ABUTMENT 2

REVISION <u>A</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>A</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

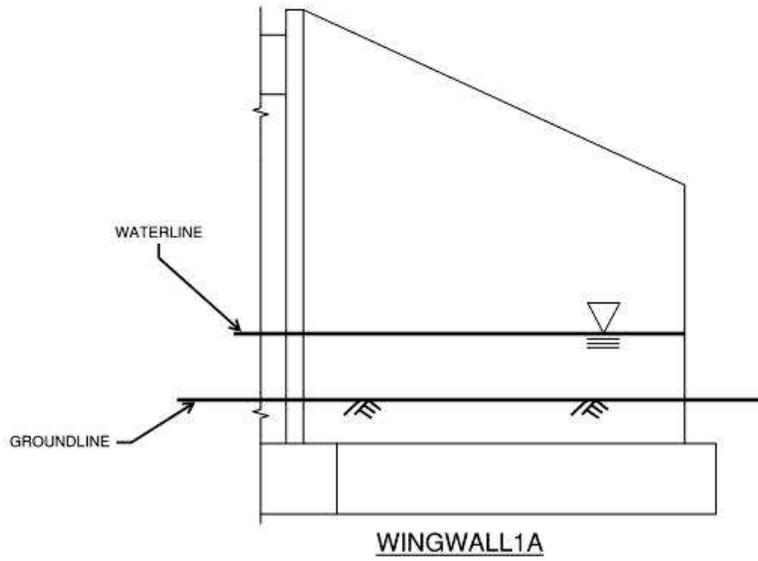
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

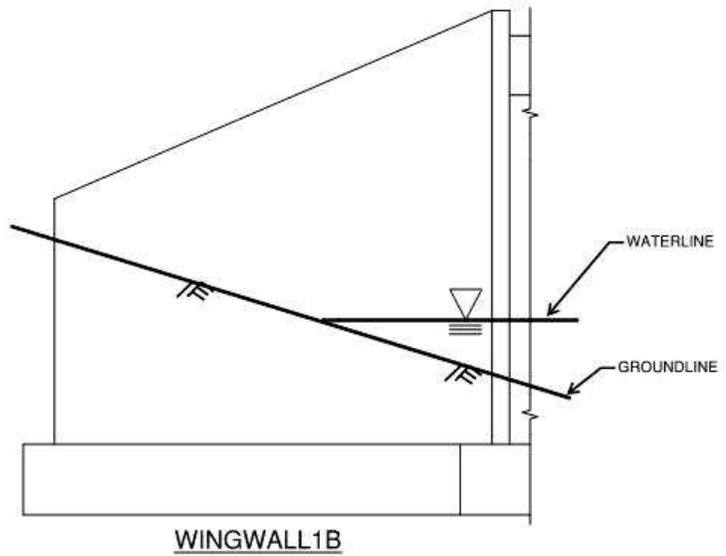
Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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GENERAL NOTES:

- ABRASION UP TO 1/4" DEEP EXTENDING FROM WATERLINE TO 1.5' ABOVE.
- THERE ARE AREAS OF LIGHT TO MODERATE GRAFFITI.



- LEGEND:**
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

WINGWALLS 1A & 1B

REVISION <u>1</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>2</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

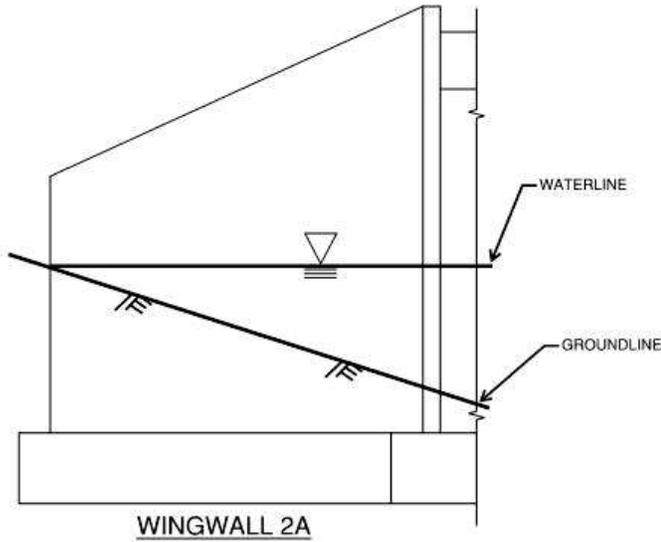
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

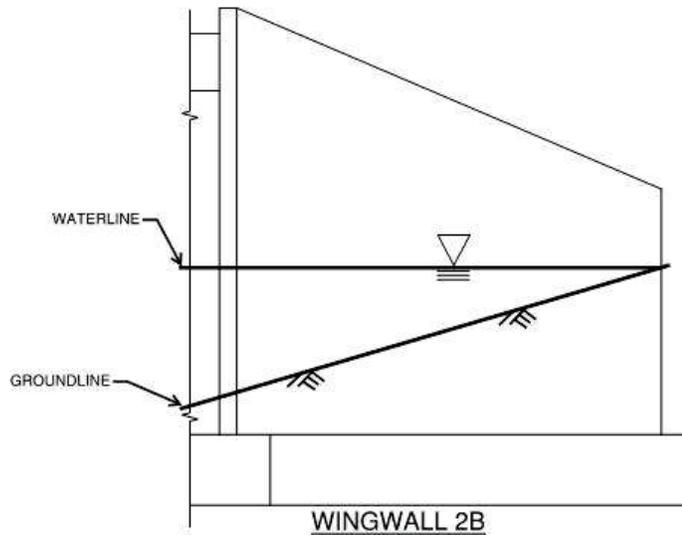
Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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GENERAL NOTES:

- SEE "WINGWALLS 1A & 1B" GENERAL NOTES.



WINGWALLS 2A AND 2B

- LEGEND:**
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

REVISION <u>1</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>2</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

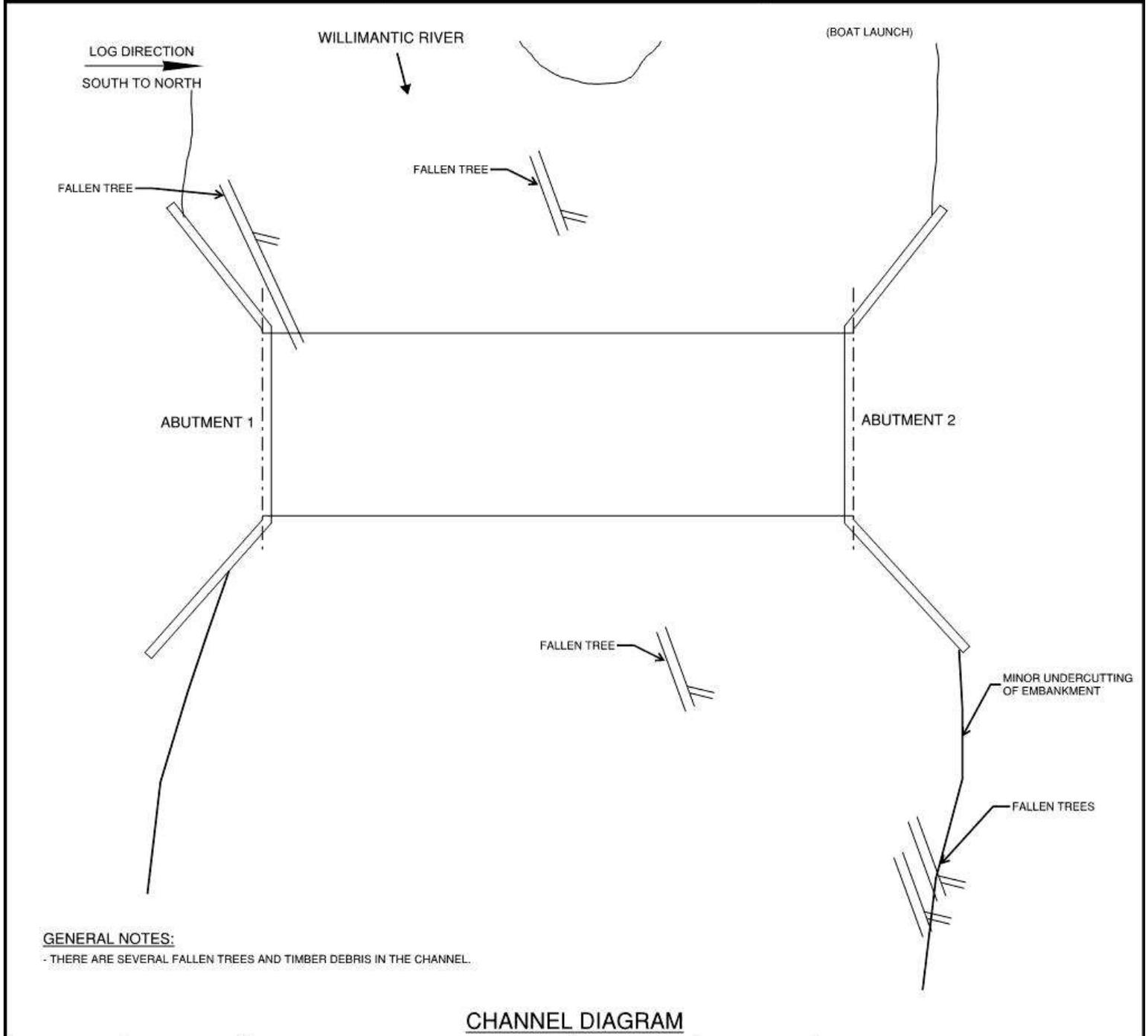
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: MD, EG, NH	DATE: 07/20/2017	BRIDGE NO.: 04630
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GENERAL NOTES:
 - THERE ARE SEVERAL FALLEN TREES AND TIMBER DEBRIS IN THE CHANNEL.

REVISION <u>1</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>2</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

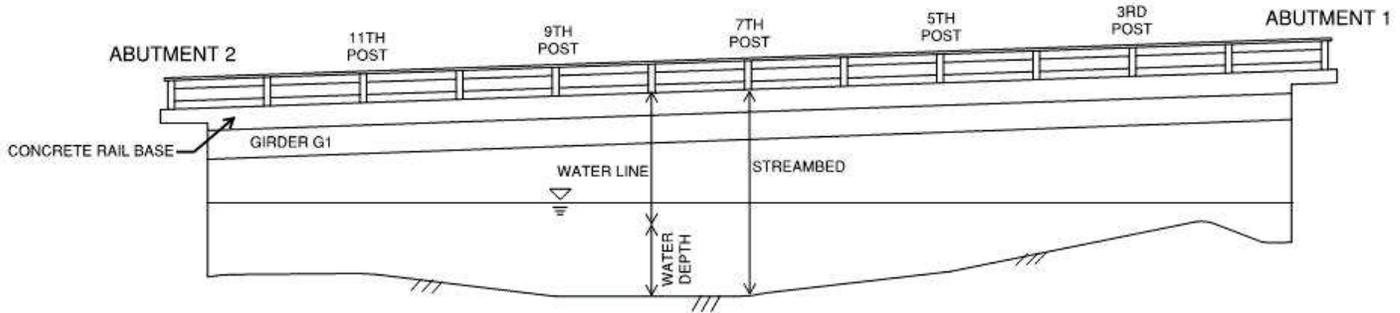
Sketches

Inspection type: Routine
 Inspection Date: 7/15/2021
 Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
 Carried: BRIGHAM ROAD
 Crossed: WILLIMANTIC RIVER
 Inventory Route: Non-NHS

CREW: RS/HD	DATE: 7/28/2017	BRIDGE NO.: 04631
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△	7/9/2019			△ DATE	8/27/2021		
LOCATION	STREAMBED	WATER LINE	WATER DEPTH	LOCATION	STREAMBED	WATER LINE	WATER DEPTH
ABUTMENT 1	14'-3"	12'-10"	1'-5"	ABUTMENT 1	12'-11"	12'-2"	0'-9"
3RD POST	13'-7"	12'-9"	10"	3RD POST	14'-7"	12'-2"	2'-5"
5TH POST	16'-6"	12'-9"	3'-9"	5TH POST	18'-1"	12'-2"	5'-11"
7TH POST	20'-6"	12'-7"	7'-11"	7TH POST	21'-5"	12'-1"	9'-4"
9TH POST	20'-11"	12'-7"	8'-4"	9TH POST	21'-2"	12'-0"	9'-2"
11TH POST	19'-9"	12'-7"	7'-2"	11TH POST	19'-2"	11'-11"	7'-3"
ABUTMENT 2	20'-2"	12'-5"	7'-9"	ABUTMENT 2	19'-11"	11'-11"	8'-0"

NOTES:

- MEASUREMENTS HAVE BEEN TAKEN FROM THE TOP OF CONCRETE RAIL BASE.
- MEASUREMENTS WERE TAKEN AT THE UPSTREAM FACE OF THE BRIDGE.

CHANNEL CROSS SECTION - UPSTREAM

REVISION <u>1</u>	DATE: 7/9/2019	CREW: PRIME AE GROUP: NB, EA, IS	REVISION <u>3</u>	DATE:	CREW:
REVISION <u>2</u>	DATE: 7/15/2021	CREW: PRIME AE GROUP: EG, EA, AN, NH, KA	REVISION <u>4</u>	DATE:	CREW:

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 1

Photo Taken: 07/15/2021

Bridge identification number.



Photo Number: 2

Photo Taken: 07/15/2021

West elevation of the bridge.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 3

Photo Taken: 08/27/2021

East elevation of the bridge.



Photo Number: 4

Photo Taken: 07/15/2021

Bridge from the south approach.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 5

Photo Taken: 07/15/2021

South approach from the bridge.



Photo Number: 6

Photo Taken: 07/15/2021

North approach from the bridge.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 7

Photo Taken: 07/15/2021

Bridge from the north approach.



Photo Number: 8

Photo Taken: 07/15/2021

Top of deck overlay, looking southwest. Note: Transverse, longitudinal and mapcracking throughout.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 9

Photo Taken: 07/15/2021

Top of deck overlay along Abutment 2, looking northeast. Note: Patched area for full width since last inspection.



Photo Number: 10

Photo Taken: 08/27/2021

Underside of deck and superstructure, looking south. Typical condition.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 11

Photo Taken: 08/27/2021

Bay 2, Panel 5, looking north. Note: Hollow area and spalls with exposed rebar.



Photo Number: 12

Photo Taken: 08/27/2021

Bay 2, Panel 6, looking south. Note: Hollow area and spall.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 13

Photo Taken: 08/27/2021

Bay 3, Panel 4 near Girder G4, west elevation. Note: As-built hole with leakage running on girder.



Photo Number: 14

Photo Taken: 07/15/2021

West bridge railing and concrete rail base, looking southwest. Typical condition.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 15

Photo Taken: 07/15/2021

Northeast approach guide rail with top cable detached from the first post.



Photo Number: 16

Photo Taken: 07/15/2021

South approach pavement, looking northwest. Note: Numerous potholes on pavements.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 17

Photo Taken: 07/15/2021

South approach near center of pavement with pothole with exposed deck.



Photo Number: 18

Photo Taken: 07/15/2021

Northwest embankment. Note: Erosion area behind wingwall.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 19

Photo Taken: 08/27/2021

Girder G1 expansion bearing at Abutment 1. Note: East anchor bolt nut backed off.



Photo Number: 20

Photo Taken: 08/27/2021

Girder G4 expansion bearing at Abutment 1.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 21

Photo Taken: 08/27/2021

Girder G2 fixed bearing at Abutment 2.



Photo Number: 22

Photo Taken: 08/27/2021

Girder G1 bottom flange cover plate end weld near Abutment 1. Typical condition.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 23

Photo Taken: 08/27/2021

Abutment 1 elevation.



Photo Number: 24

Photo Taken: 08/27/2021

Abutment 2 elevation.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 25

Photo Taken: 08/27/2021

Abutment 1, Bay 2 backwall has full height crack with efflorescence.



Photo Number: 26

Photo Taken: 08/27/2021

Wingwall 2A elevation.

Form: Asset Photos
Inspection type: Routine
Inspection Date: 7/15/2021
Inspected by: PRIME AE

:Bridge No 04630

Town: COVENTRY
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER
Inventory Route: Non-NHS



Photo Number: 27

Photo Taken: 08/27/2021

Upstream channel from the bridge.



Photo Number: 28

Photo Taken: 08/27/2021

Downstream channel from the bridge.

Form: Maintenance
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER

:Bridge No 04630

Town: COVENTRY

Inventory Route: Non-NHS

Status: Open Assigned To: ATB ATB Work Item ID: 04630-2019-0005
Date Issued: 07/31/2019 Priority: Routine Repair
Deficiency: Other
Structural Component: Deck
Comments: Bay 3, panel 4 has a small 1" x 1" hole (as-built) with active leakage running onto steel girder.

Date Completed:

Actual Quantity:



Bay 3, panel 4, near Girder G4, west fascia. Note: As-built hole with active leakage running through deck.

Form: Maintenance
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER

:Bridge No 04630

Town: COVENTRY

Inventory Route: Non-NHS

Status: Open Assigned To: ATB ATB Work Item ID: 04630-2017-0004

Date Issued: 08/08/2017 Priority: Routine Repair

Deficiency: Other

Structural Component: N/A

Comments: Both approaches are settled up to 1" deep in compare to the bridge deck. There is no deck joints at both deck ends however, there is 1" wide crack (separation) between the approaches and deck and the sealant is missing. Evidence of leakage was noted on the abutments below.

Date Completed:

Actual Quantity:



South approach transition looking east. The approach pavement is settled and separated from the bridge deck (no joint). Note: raveling along the deck end.

Form: Maintenance
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER

:Bridge No 04630

Town: COVENTRY

Inventory Route: Non-NHS

Status: Open Assigned To: ATB ATB Work Item ID: 04630-2017-0003

Date Issued: 08/01/2017 Priority: Priority Repair

Deficiency: Spalls

Structural Component: Deck

Comments: There is a 10' long x 4' wide x 1" deep spall in bituminous pavement with exposed deck over Abutment 2. The top of deck has abrasion wear/chipping up to 1/2" deep.

Date Completed:

Actual Quantity:



Abutment 2 approach transition looking west is partially paved/patched over and the approach pavement is settled.

Form: Maintenance
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER

:Bridge No 04630

Town: COVENTRY

Inventory Route: Non-NHS

Status: Open Assigned To: ATB ATB Work Item ID: 04630-2017-0002
Date Issued: 08/01/2017 Priority: Priority Repair
Deficiency: Approach Rail Transition
Structural Component: N/A
Comments: The (2) cable approach guide rail at the southeast approach has failed. All other approaches have leaning posts.

Date Completed:

Actual Quantity:



Northeast approach cable guide rail transition to the bridge. Top cable is detached from the 1st post from the bridge. Note: Erosion along the wingwall.

Form: Maintenance
Carried: BRIGHAM ROAD
Crossed: WILLIMANTIC RIVER

:Bridge No 04630

Town: COVENTRY

Inventory Route: Non-NHS

Status: Open Assigned To: ATB ATB Work Item ID: 04630-2017-0001
Date Issued: 01/24/2017 Priority: Routine Repair
Deficiency: Embankment Erosion
Structural Component: N/A

Comments: There is a 4' long x 2' wide x 14" deep erosion area just north of Abutment 2 at the northeast corner.
- Behind Wingwall 1A, full length x 3' wide x 15" deep runoff erosion.
- Behind Wingwall 1B, full-length x 2' wide x 1' deep runoff erosion.
- End of Wingwall 2A, full length x 3.5' wide x 3' deep erosion ditch.
- Behind Wingwall 2B, full-length x 5' wide x 1.5' deep erosion.

Date Completed: Actual Quantity:



Northwest Channel Embankment at End of Wingwall 2A

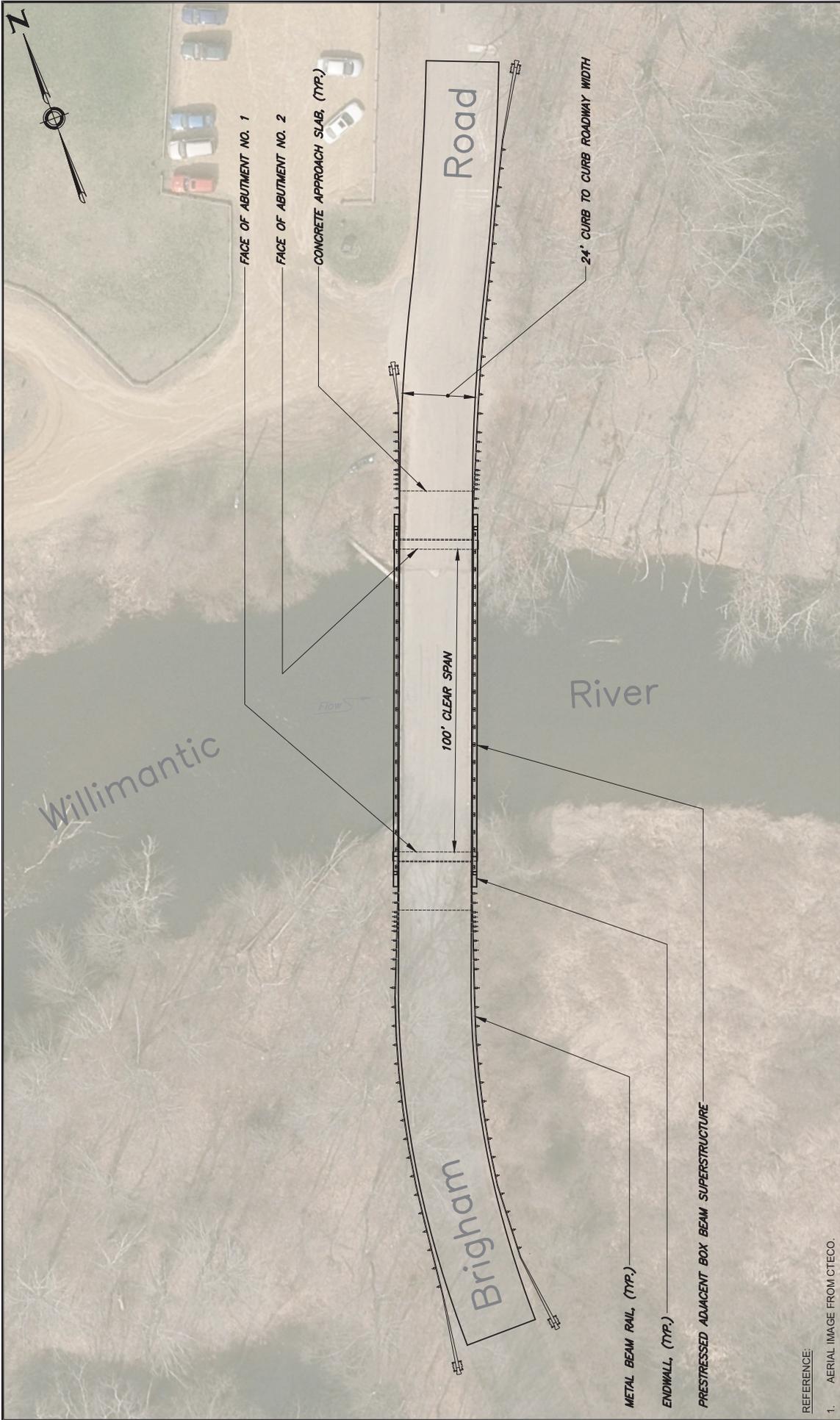
Note: Erosion Ditch

ATTACHMENT B

Attached Drawings and Documents containing *Conceptual Design Drawings* for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut:

Conceptual Design Drawings Sheets 1 to 2

Outline Specifications Pages 1 to 3



<p>REPLACEMENT OF BRIDGE NO. 04630 BRIGHAM ROAD OVER WILLIMANTIC RIVER COVENTRY, CONNECTICUT</p>	<p>ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.</p> <p>© COPYRIGHT 2022 NATHAN L. JACOBSON & ASSOCIATES, INC. ALL RIGHTS RESERVED.</p>	<p>DATE: OCTOBER 2022 SCALE: 1"=30' PROJECT No.: 051900089 CADD FILE: 051900089B.dwg</p>	<p>DESIGNED: JHP DRAWN: AUG CHECKED: SHEET No.: 2 OF 3</p>
<p>CONCEPT BRIDGE PLAN</p>		<p>REFERENCE: 1. AERIAL IMAGE FROM CTECO.</p> <p>Nathan L. Jacobson & Associates, Inc. 86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337 Tel: (860) 526-9591 Fax: (860) 526-5416 www.nlja.com Jacobson Consulting Civil and Environmental Engineers Since 1972</p>	

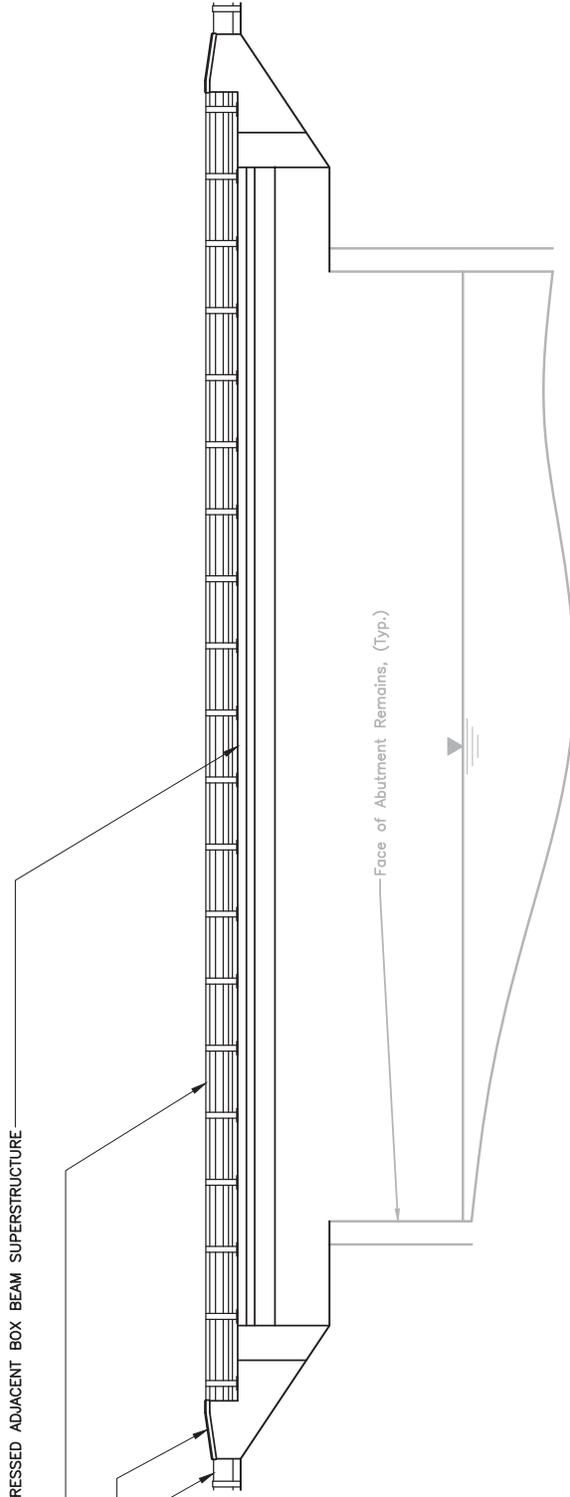
100' CLEAR SPAN PRESTRESSED ADJACENT BOX BEAM SUPERSTRUCTURE

METAL BRIDGE RAIL

ENDWALL, (TYP.)

METAL BEAM RAIL, (TYP.)

Face of Abutment Remains, (Typ.)



J
 Jacobson
 Consulting Civil and Environmental Engineers Since 1972

Nathan L. Jacobson & Associates, Inc.
 86 Main Street P.O. Box 337
 Chester, Connecticut 06412-0337
 Tel: (860) 526-9591 Fax: (860) 526-5416
 www.nlja.com

REPLACEMENT OF BRIDGE NO. 04630
 BRIGHAM ROAD OVER WILLIMANTIC RIVER
 COVENTRY, CONNECTICUT

CONCEPT BRIDGE ELEVATION

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

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DATE: OCTOBER 2022
 SCALE: 3/32"=1'-0"
 PROJECT No.: 051900089
 CADD FILE: 051900089SP

DESIGNED: JHP
 DRAWN: AJG
 CHECKED:
 SHEET No.: 3 OF 3

Outline Specifications
for
Replacement of Bridge No. 04630 Brigham Road over Willimantic River
Coventry, Connecticut

Division I: General Requirements and CovenantsSection:

- 1.01 Definitions of Terms & Permissible Abbreviations
- 1.02 Proposal Requirements and Conditions
- 1.03 Award and Execution of Contract
- 1.04 Scope of Work
- 1.05 Control of the Work
- 1.06 Control of Materials
- 1.07 Legal Relations and Responsibilities
- 1.08 Prosecution and Progress
- 1.09 Measurement and Payment
- 1.10 Environmental Compliance
- 1.11 Claims

Division II: Construction Details**Earthwork**Section:

- 2.01 Clearing and Grubbing
- 2.02 Roadway Excavation, Formation of Embankment and Disposal of Surplus Material
- 2.03 Structure Excavation
- 2.07 Borrow
- 2.09 Subgrade
- 2.11 Anti-Tracking Pad
- 2.12 Subbase
- 2.14 Compacted Granular Fill
- 2.16 Pervious Structure Backfill
- 2.19 Sedimentation Control System

Base CoursesSection:

- 3.04 Processed Aggregate Base
- 3.05 Processed Aggregate

Surface Courses or PavementsSection:

- 4.06 Bituminous Concrete

StructuresSection:

- 5.03 Removal of Superstructure
- 5.14 Prestressed Concrete Members
- 5.21 Elastomeric Bearing Pads
- 5.86 Catch Basins, Manholes and Drop Inlets
- 6.01 Concrete for Structures
- 6.02 Reinforcing Steel
- 6.86 Drainage Pipes, Drainage Pipe Ends

Incidental Construction

Section:

- 7.02 Piles
- 7.03 Riprap
- 7.07 Membrane Waterproofing (Cold Liquid Elastomeric)
- 7.08 Dampproofing
- 7.28 Crushed Stone for Slope Protection
- 7.55 Geotextile
- 8.11 Concrete Curbing
- 8.22 Temporary Precast Concrete Barrier Curb
- 9.04 Metal Bridge Rail
- 9.10 Metal Beam Rail
- 9.11 Metal Beam Rail Anchorages
- 9.22 Bituminous Concrete Sidewalk, Bituminous Concrete Driveway
- 9.39 Sweeping for Dust Control
- 9.44 Topsoil
- 9.46 Liming
- 9.49 Furnishing, Planting and Mulching Trees, Shrubs, Vines and Ground Cover Plants
- 9.50 Turf Establishment, Erosion Control Matting
- 9.70 Trafficperson
- 9.71 Maintenance and Protection of Traffic
- 9.74 Removal of Existing Masonry
- 9.75 Mobilization and Project Closeout
- 9.76 Barricade Warning Lights
- 9.79 Construction Barricades
- 9.80 Construction Surveying

Traffic Control

Section:

- 12.08 Sign Face – Sheet Aluminum
- 12.10 Epoxy Resin Pavement Markings
- 12.20 Construction Signs
- 18.02 Sand Barrels

Division III: Materials Section

Section:

- M.01 Aggregate
- M.02 Granular Fill, Subbase, Granular Base and Surfaces, Stone Base, Pervious Structure Backfill, Free-Draining Material, Crusher-Run Stone
- M.03 Portland Cement Concrete
- M.04 Bituminous Concrete Materials
- M.05 Processed Aggregate Base and Pavement Surface Treatment
- M.06 Metals
- M.07 Paint
- M.08 Drainage
- M.09 Sheet Piling and Piles
- M.10 Fence, Railing and Posts
- M.12 Bearing Areas, Riprap, Slope Paving & Slope Protection, Waterproofing and Dampproofing, Stone and Granite Slope Curbing, Calcium Chloride for Dust Control, Wood
- M.13 Roadside Development
- M.14 Prestressed Concrete Members
- M.17 Elastomeric Materials

M.18 Signing

ATTACHMENT C

Assumed breakdown of *Preliminary Engineering Fees* for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut:

Survey	\$30,000
Preliminary Design	\$200,000
Permits.....	\$26,000
<u>Final Design.....</u>	<u>\$300,650</u>
TOTAL.....	\$556,650

ATTACHMENT D

Attached Spreadsheet containing: *Detailed Estimate of Construction Cost* for the Replacement of Bridge No. 04630 Brigham Road over Willimantic River, Coventry, Connecticut:

2025 Conceptual Design Opinion of Probable Construction CostsPages 1 to 3

CONCEPTUAL DESIGN OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 04630, Brigham Road over the Willimantic River

TOWN: Coventry, CT

JOB NO.: 05190089
 BY: JHP
 DATE: 10/4/2022

CHECKED BY:
 DATE:

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
ROADWAY ITEMS					
0202000	Earth Excavation	340	C.Y.	\$ 23.24	\$ 7,901.60
0202100	Rock Excavation	30	C.Y.	\$ 89.40	\$ 2,682.00
0202351	Unsuitable Material Excavation	15	C.Y.	\$ 57.86	\$ 867.90
0202529	Cut Bituminous Concrete Pavement	44	L.F.	\$ 3.09	\$ 135.96
0207000	Borrow	1,700	C.Y.	\$ 21.63	\$ 36,771.00
0209001	Formation of Subgrade	800	S.Y.	\$ 3.37	\$ 2,696.00
0212000	Subbase	300	C.Y.	\$ 51.68	\$ 15,504.00
0305001	Processed Aggregate	30	C.Y.	\$ 56.20	\$ 1,686.00
0406171	HMA S0.5	92	TON	\$ 122.47	\$ 11,267.24
0406172	HMA S0.375	92	TON	\$ 138.14	\$ 12,708.88
0406236	Material for Tack Coat	40	GAL.	\$ 7.47	\$ 298.80
0586002.10	Type "C" Catch Basin (4' Sump) - 0'-10' Deep	4	EA.	\$ 4,096.82	\$ 16,387.28
0686000.15	15" R.C. Pipe - 0' - 10' Deep	140	L.F.	\$ 95.77	\$ 13,407.80
0686700.15	15" Reinforced Concrete Drainage Pipe End	2	EA.	\$ 1,097.02	\$ 2,194.04
0703012A	Modified Riprap	50	C.Y.	\$ 149.12	\$ 7,456.00
0755009	Geotextile	100	S.Y.	\$ 8.02	\$ 802.00
0811001A	Concrete Curbing	96	L.F.	\$ 41.09	\$ 3,944.64
0910031A	Thrie-Beam Attachment	4	EA.	\$ 6,300.00	\$ 25,200.00
0910300A	Metal Beam Rail (R-B MASH)	300	L.F.	\$ 55.00	\$ 16,500.00
0911923A	R-B End Anchorage - Type I	3	EA.	\$ 2,300.00	\$ 6,900.00
0911924A	R-B End Anchorage - Type II	1	EA.	\$ 2,100.00	\$ 2,100.00
0912504	Remove Two-Cable Guide Railing	160	L.F.	\$ 5.27	\$ 843.20
0922501	Bituminous Concrete Driveway	23	S.Y.	\$ 66.86	\$ 1,537.78
0939001	Sweeping for Dust Control	200	HR.	\$ 115.04	\$ 23,008.00
0944000	Furnishing and Placing Topsoil	1,000	S.Y.	\$ 7.37	\$ 7,370.00
0946001	Liming	1	TON	\$ 1,300.00	\$ 1,300.00
0949000	Wood Chip Mulch	200	S.Y.	\$ 11.46	\$ 2,292.00
0949103	Cornus Sericea Red Osier Dogwood 3'-4' Ht. B.B.	14	EA.	\$ 90.99	\$ 1,273.86
0949114	Cornus Racemosa Gray Dogwood 3'-4' Ht. B.B.	9	EA.	\$ 82.84	\$ 745.56
0949590	Viburnum Trilobum American Cranberrybush 3'-4' Ht. B.B.	14	EA.	\$ 70.04	\$ 980.56
0949854	Amelanchier Canadensis, Shadblow Serviceberry, 24"-36" Ht. B.B.	12	EA.	\$ 121.00	\$ 1,452.00
0950005	Turf Establishment	1,000	S.Y.	\$ 2.09	\$ 2,090.00
0950043A	Wetland Grass Establishment	800	S.F.	\$ 0.46	\$ 368.00
0969060A	Construction Field Office, Small	10	MO.	\$ 5,070.84	\$ 50,708.40
1210111	4" Yellow Type I Epoxy Resin Pavement Markings	740	L.F.	\$ 1.03	\$ 762.20

Roadway Subtotal: \$ 282,142.70

CONCEPTUAL DESIGN OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 04630, Brigham Road over the Willimantic River

TOWN: Coventry, CT

JOB NO.: 05190089
 BY: JHP
 DATE: 10/4/2022

CHECKED BY:
 DATE:

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
STRUCTURE ITEMS					
0203202	Structure Excavation - Earth (Excluding Cofferdam and Dewatering)	200	C.Y.	\$ 30.92	\$ 6,184.00
0203304	Structure Excavation - Rock (Excluding Cofferdam & Dewatering)	20	C.Y.	\$ 64.40	\$ 1,288.00
0214100	Compacted Granular Fill	10	C.Y.	\$ 94.99	\$ 949.90
0216000	Pervious Structure Backfill	130	C.Y.	\$ 66.50	\$ 8,645.00
0406172	HMA S0.375	44	TON	\$ 138.14	\$ 6,078.16
0406173	HMA S0.25	22	TON	\$ 140.88	\$ 3,099.36
0406236	Material for Tack Coat	20	GAL.	\$ 7.47	\$ 149.40
0406303A	Sawing and Sealing Joints	48	L.F.	\$ 32.32	\$ 1,551.36
0503151	Removal of Superstructure (Site No. 1)	1	L.S.	\$ 80,000.00	\$ 80,000.00
0514230	Prestressed Deck Units (4'-0" x 3'-6")	732	L.F.	\$ 1,000.00	\$ 731,500.00
0520036A	Asphaltic Plug Expansion Joint System	20	C.F.	\$ 406.57	\$ 8,131.40
0521021	Steel-Laminated Elastomeric Bearings	2,016	C.I.	\$ 2.81	\$ 5,664.96
0601072	Surface Repair Concrete	65	C.F.	\$ 472.63	\$ 30,720.95
0601118	Bridge Deck Concrete	81	C.Y.	\$ 1,181.34	\$ 95,688.54
0601121	Parapet Concrete	229	L.F.	\$ 363.20	\$ 83,172.80
0601123	Approach Slab Concrete	36	C.Y.	\$ 518.90	\$ 18,680.40
0601124A	Barrier Wall Concrete	4	C.Y.	\$ 1,254.40	\$ 5,017.60
0601276A	Precast Substructure Elements	70	C.Y.	\$ 1,957.86	\$ 137,050.20
0601504	1" Preformed Expansion Joint Filler for Bridges	112	S.F.	\$ 14.65	\$ 1,640.80
0602030	Deformed Steel Bars - Galvanized	14,000	LB.	\$ 2.12	\$ 29,680.00
0702048	Obstructions	4	HR.	\$ 1,500.00	\$ 6,000.00
0702101	Furnishing Steel Piles	75,600	LB.	\$ 0.70	\$ 52,920.00
0702111	Driving Steel Piles	900	L.F.	\$ 34.81	\$ 31,329.00
0702115	Splicing Steel Piles	12	EA.	\$ 938.00	\$ 11,256.00
0702339	Test Pile (Steel HP 12 x 84 - 75' Long)	2	EA.	\$ 6,762.50	\$ 13,525.00
0702797	Dynamic Pile Driving Analysis (P.D.A.) Test	2	EA.	\$ 5,312.50	\$ 10,625.00
0707009A	Membrane Waterproofing (Cold Liquid Elastomeric)	380	S.Y.	\$ 65.16	\$ 24,760.80
0708001	Dampproofing	80	S.Y.	\$ 21.54	\$ 1,723.20
0819002A	Penetrating Sealer Protective Compound	90	S.Y.	\$ 17.82	\$ 1,603.80
0904304A	Metal Bridge Rail - Three Rail (Combination)	252	L.F.	\$ 275.00	\$ 69,300.00
0974001	Removal of Existing Masonry	106	C.Y.	\$ 278.79	\$ 29,551.74
Structure Subtotal:					\$ 1,507,487.37

ENVIRONMENTAL COMPLIANCE ITEMS					
0210300A	Oil Absorbent Boom	100	L.F.	\$ 26.50	\$ 2,650.00
0210301A	Oil Absorbent Blanket	400	L.F.	\$ 4.50	\$ 1,800.00
0210302A	Containment Boom	100	L.F.	\$ 29.00	\$ 2,900.00
0219001	Sedimentation Control System	1,100	L.F.	\$ 7.22	\$ 7,942.00
0728014	3/4" Crushed Stone	2	C.Y.	\$ 71.14	\$ 142.28
0755009	Geotextile	45	S.Y.	\$ 8.02	\$ 360.90
0950036	Erosion Control Matting Type E	230	S.Y.	\$ 4.78	\$ 1,099.40
0950039	Erosion Control Matting Type D	1,400	S.Y.	\$ 3.23	\$ 4,522.00
Environmental Compliance Subtotal:					\$ 21,416.58

CONCEPTUAL DESIGN OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 04630, Brigham Road over the Willimantic River

TOWN: Coventry, CT

JOB NO.: 05190089
 BY: JHP
 DATE: 10/4/2022

CHECKED BY:
 DATE:

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
TRAFFIC ITEMS					
0822001	Temporary Precast Concrete Barrier Curb	40	L.F.	\$ 35.20	\$ 1,408.00
0970006	Trafficperson (Municipal Police Officer) (Estimated Cost)	1,000	Est.	\$ 1.00	\$ 1,000.00
0970007	Trafficperson (Uniformed Flagger)	40	HR.	\$ 38.69	\$ 1,547.60
0976002	Barricade Warning Lights - High Intensity	3,360	DAY	\$ 0.88	\$ 2,956.80
0979003	Construction Barricade Type III	6	EA.	\$ 141.92	\$ 851.52
1208931	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	4	S.F.	\$ 44.23	\$ 176.92
1220027	Construction Signs	300	S.F.	\$ 23.18	\$ 6,954.00
1802210.04	Temporary Sand Barrel (400 lb.)	8	EA.	\$ 402.43	\$ 3,219.44
1802210.07	Temporary Sand Barrel (700 lb.)	8	EA.	\$ 414.01	\$ 3,312.08
1802210.21	Temporary Sand Barrel (2100 lb.)	16	EA.	\$ 443.39	\$ 7,094.24
1807202	Repair of Temporary Impact Attenuation System (Estimated Cost)	3,000	Est.	\$ 1.00	\$ 3,000.00

Traffic Subtotal: \$ 31,520.60

ROADWAY (See breakout above)	\$ 282,143
STRUCTURE (See breakout above)	\$ 1,507,487
ENVIRONMENTAL COMPLIANCE (See breakout above)	\$ 21,417
TRAFFIC (See breakout above)	\$ 31,521

0201001	Clearing and Grubbing (as % of total contract items)	2.0%	\$ 64,089
0971001A	Maintenance and Protection of Traffic (as % of total contract items)	3.0%	\$ 96,134
0975004	Mobilization and Project Closeout (as % of total contract items)	6.5%	\$ 208,290
0980020	Construction Surveying (as % of total contract items)	1.0%	\$ 32,045
	MINOR ITEM ALLOWANCE (as % of total contract items)	30.0%	\$ 961,340

Base Estimate \$ 3,204,466

INFLATION (See note 3 below)	15.8%	\$ 506,306
------------------------------	-------	------------

CONTRACT COST WITH INFLATION \$ 3,710,772

CONTINGENCY (Applied to Base Estimate)	30.0%	\$ 961,340
--	-------	------------

2025 CONTRACT COST, INCLUDING CONTINGENCY \$ 4,672,112

NOTES:

- Unit prices are generally from the CTDOT "English Bid Item List" dated Sept. 2022. Remaining unit prices are from other project files, Bid Item Lists, or engineering judgement. See computations dated 10-04-2022 for determination of unit prices.
- See quantity computations dated 10-04-2022 for calculation of quantities.
- An inflation factor 5% per year for three years (2022 to 2025) was utilized per "Connecticut DOT 2022 Cost Estimating Guidelines".
- This opinion of probable construction costs has been prepared at the conceptual design phase of the project. These costs are therefore based on engineering judgement based on information from our files on similar projects, adjusted as believed necessary at this time to reflect the construction conditions expected to be encountered. These costs should be interpreted as indicating the order of magnitude of anticipated costs. Actual costs will be determined as a result of open competitive bidding by qualified contractors after construction contract documents for the project are advertised for bids. Within the qualifications given above, we believe the conceptual design opinion of probable construction costs provides a reasonable basis for evaluating the project budget.

Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PW-06
Project Name	Pedestrian Improvements

Type	Improvement	Department	Public Works
Useful Life	15-20 years	Contact	
Category	Intrastructure - Traffic Signals	Priority	2 Very Important

Description	Total Project Cost: \$498,000
Project includes improving pedestrian accommodations around the Coventry Lake area. Crosswalks will be revised to be compliant with Title II of the Americans with Disabilities Act by adding in ramps, moving drainage, installing tactile warning strips and decorative crosswalk surfaces as necessary.	

Justification
Increase to public safety and ADA compliance for pedestrians. Funded by Transportation Rural Improvement Program.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Construction/Maintenance		498,000					498,000
Total		498,000					498,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan		498,000					498,000
Total		498,000					498,000

Budget Impact/Other
Funded by TRIP Grant.

Coventry Lake Pedestrian Improvements



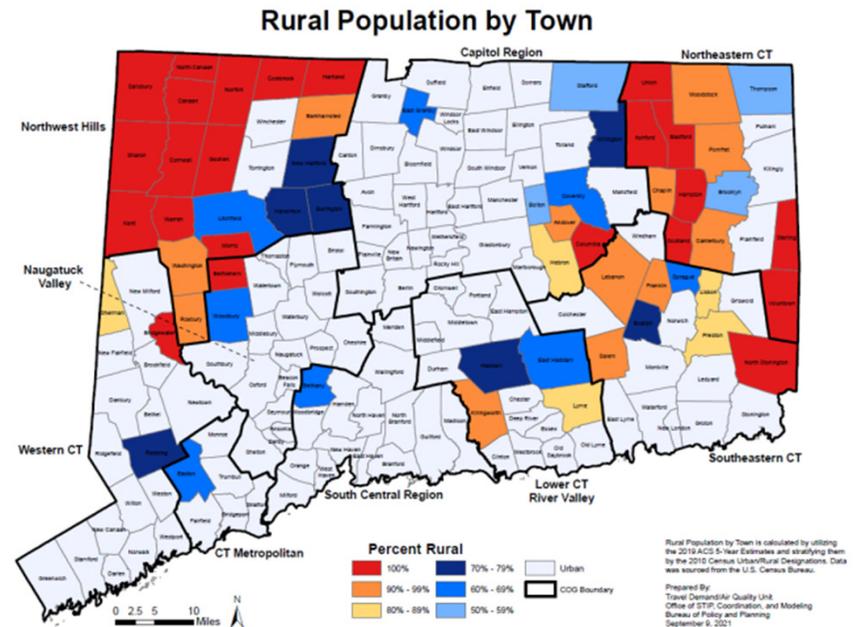
Town Council Meeting – Tuesday, February 21, 2023

Town of Coventry



TRIP Grant Overview

- The Transportation Rural Improvement Program is a new competitive grant program supported by bonded state funds and designed to support roads, bridges, and other transportation needs in communities with greater than 50% of their population living in rural areas.
- Applications are submitted to COGs who in turn submit them to the CTDOT
- With over 60% of residents living in a rural area, Coventry is eligible for this project
- Funding is provided for construction activities only



Project Location Map

Coventry, CT: Pedestrian Safety Project - TRIP



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



February 2023
By: Manuel Medina - Land Use Office.

Crosswalks

Type

-  ADA-Compliant Crosswalk (10)
-  Solar Powered Pedestrian LED blinker Crosswalk (4)

Town of Coventry



Project Overview: ADA Improvements

The TRIP application plans to use funds to improve pedestrian accommodations around the Coventry Lake area. Crosswalks will be revised to be compliant with Title II of the Americans with Disabilities Act by adding in ramps, moving drainage, installing tactile warning strips and decorative crosswalk surfaces as necessary.

A. ADA Compliance



Intersection between South Street and Beebe Farms Rd



Intersection between South Street and Washburn St

Town of Coventry



Project Overview: RRFBs

B. RRFBs

In high traffic areas RRFBs will be installed to allow pedestrians to signal oncoming traffic and reduce the risk of injuries from collisions



Proposed Location at the Robertson School

Town of Coventry



Project Overview: Treatments

C. Treatment Examples

These are representative of the RRFBs and tactile warning strips expected at revised crossings



Existing Crossing at Coventry High School



Crossing with sidewalk tactile warning strips

Town of Coventry



Project Overview

Improvements Overview:

- 15 total crosswalks will be updated
 - 4 Crossings will be updated with RRFBs
 - Cross St in front of Robertson School
 - Main St intersection with Stonehouse Rd
 - Main St in front of Bidwell Tavern
 - Main St intersection with Mason St
 - 11 Crossings will be updated with ADA improvements
 - South St intersection with Beebe Farms Rd
 - South St intersection with Fitzgerald Blvd
 - South St intersection with Washburn Ave
 - South St intersection with Ross Ave
 - South St intersection with Lakewood Dr
 - South St intersection with Lakeview Dr
 - South St intersection with Maple Dr
 - South St intersection with Echo Rd
 - South St intersection with Forest Rd
 - South St intersection with Violet Trl
 - South St Intersection with Cross St

Town of Coventry



Project Overview: Projected Costs & Schedule

Project Costs:

Crosswalk and ADA improvements:

Construction Items:	\$ 415,000
Contingencies (10%):	\$ 41,500
Incidentals (10%):	\$ 41,500
Total:	\$ 498,000

Projected Design Fees: ~\$ 39,840

Projected Schedule

Application Submittal:	February 23, 2023
CRCOG Endorsement:	May 2023
CDOT Commit to Fund:	October 2023
Start Design:	November 2023
Public Involvement:	February 2024
Construction Docs:	October 2024
Advertise:	December 2024
Construction:	April 2025

Town of Coventry



Questions and/or Comments

ANY QUESTIONS AND/OR COMMENTS?

Please reach out to Todd Penney, P.E., at:

860-742-4078 or

tpenney@coventryct.org

Town of Coventry
Office of the Town Engineer



Capital Improvement Plan

FY 24 *thru* FY 29

Town of Coventry, Connecticut

Project #	24-PW-07
Project Name	Hop River Road Bridge Replacement

Type	Improvement	Department	Public Works
Useful Life	30 years	Contact	
Category	Infrastructure - Bridges	Priority	1 Critical

Description	Total Project Cost: \$4,185,000
Replace 0.3 mile bridge on Hop River Road. Project will be done in collaboration with the Town of Columbia.	

Justification
Hop River Road Bridge needs repair.

Expenditures	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
Planning/Design	385,000						385,000
Construction/Maintenance		3,800,000					3,800,000
Total	385,000	3,800,000					4,185,000

Funding Sources	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Total
State/Federal Grant/Loan	385,000	3,800,000					4,185,000
Total	385,000	3,800,000					4,185,000

Budget Impact/Other
No budget impact. Project will be funded by the Federal Local Bridge Program.
Federal infrastructure funds have allowed this round of FLBP grants to be funded at 100% rather than 80%.



December 26, 2018

Mr. Francisco T. Fadul
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, Connecticut 06131-7546

Re: Replacement of Bridge No. 04446
Hop River Road over Hop River
Coventry, Connecticut
NLJA #1043-0010

Dear Mr. Fadul:

On behalf of the Town of Coventry, and in accordance with Public Act No. 16-151, please find the following enclosed documents for consideration in selecting Hop River Road over Hop River for funding in the Federal Local Bridge Program 2019 fiscal year:

1. One (1) executed "Preliminary Application for the Local Bridge Program", for fiscal year 2019.

Attachment A:

1. One (1) copy of concept drawing entitled "Bridge Plan, Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut" dated December 28, 2018.
2. One (1) copy of concept drawing entitled "Bridge Elevation, Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut" dated December 28, 2018.
3. One (1) copy of concept drawing entitled "Bridge Section, Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut" dated December 28, 2018.
4. One (1) copy of "Outline Specifications for Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut" dated December 2018.

Attachment B:

1. One (1) copy of "Preliminary Engineering Fees for the Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut".



Mr. Francisco T. Fadul
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation
Re: Bridge No. 04446
Hop River Road over Hop River
Coventry, CT
December 26, 2018
Page 2 of 4

Attachment C:

1. One (1) copy of spreadsheet entitled "2021 Conceptual Opinion of Probable Construction Costs; Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut ", Pages 1 to 3, dated December 11, 2018.

Existing Structure Condition

The bridge spans the Hop River which has a stone masonry dam immediately upstream of the bridge. According to the July 13, 2017 CTDOT Bridge Inspection Report (Report), the double simple span bridge was built in 1955, and reconstructed in 1989. The overall structure length is 111'. The curb to curb deck width is 12', providing a single shared lane on a two-lane road. The maximum individual simple span length is 49' feet. The bridge has a zero-degree skew angle.

The bridge deck consists of a cast-in-place concrete slab with a bituminous wearing course. The bridge deck is supported by two steel beam superstructures that sit on stone masonry abutments, and a stone masonry pier. Concrete parapets topped with metal bridge rail define the curb line of the superstructure. The Report determined the deck underside as having hairline map cracking, shallow honeycomb areas, and concrete patches.

The superstructure sits on the substructure with steel plate bearing devices. The Report indicates light to moderate rust on the underside of beam top flanges, some section loss of the webs, and pitting on the bottom flanges near the bearings. Section loss is evident at beam ends. Bearing devices have heavy rust, laminar rust, and rose budding on anchor nuts. Bearing devices appear to be frozen.

The south abutment, noted as abutment #1 in the Report, has a masonry stem and concrete cap. The concrete cap has horizontal hairline cracks with efflorescence, some scale, and exposed rebar. The masonry stem has random missing stones.

The north abutment, noted as abutment #2 in the Report, has a masonry stem and concrete cap. The concrete has no apparent deficiencies; the stone masonry stem has missing stones near the bottom.

The pier has a masonry stem and concrete cap. The concrete cap has honeycomb along the interface with the stone masonry, has exposed rusted rebar ends, and; the stone masonry stem has missing stones near the waterline.



Mr. Francisco T. Fadul
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation
Re: Bridge No. 04446
Hop River Road over Hop River
Coventry, CT
December 26, 2018
Page 3 of 4

The abutment wingwalls are dry laid stone masonry retaining walls. The Report indicates voids, some significant in size, with adjacent stone shifts in location.

The roadway approaches include metal beam guiderails with minor dents and scrapes. The bridge deck integral concrete curb and parapet exhibits minor honeycomb, light to moderate scaling, and hairline cracking. The bridge has a single aluminum railing system attached at the concrete parapet top. The Report indicates minor deficiencies.

The Report shows condition ratings of the deck, superstructure, substructure, structural evaluation and scour critical of 7, 5, 5, 5, and 5, respectively. Besides the noted deterioration of both the substructure and superstructure, the deck geometry appraisal of 2 reported in the Report renders the bridge functionally obsolete and is a primary concern to the Town.

Proposed Bridge Replacement Design

The proposed replacement bridge design will consist of a single span bridge to eliminate a proposed pier in the center of the river. The existing pier could be entirely removed, or removed down to an elevation to allow the proposed single span to pass over the pier with adequate clearance. The design will utilize an adjacent prestressed box beam superstructure on cast-in-place abutments and wingwalls. It is anticipated that driven steel piles will be utilized. The design will include cast-in-place concrete parapets and end walls. The bridge will be designed for HL-93 live load and have crash tested bridge railing. The deck width will be a minimum of 24' wide from curb to curb. The clear span will be approximately 104' with a zero-degree skew. Note that the span is based on engineering judgement at this time and not a hydraulic analysis.

The existing metal beam guiderail system on the roadway approaches will be replaced with an updated metal beam rail system. The metal beam rail will connect with the concrete end walls at each corner of the bridge and terminate at concrete end anchors.

During construction, a staged cofferdam to permit construction of the bridge in the dry will be utilized to maintain river flows. Sedimentation and erosion control measures will be required during construction. The CTDEEP Inland Fisheries Division will be consulted regarding fish passage requirements for both the permanent and temporary work and their recommendations will be incorporated into the project.

Conceptual Opinion of Probable Construction Costs

A Conceptual Opinion of Probable Construction Costs for the Replacement of Bridge No. 04446, Hop River Road over Hop River has been prepared based on available information and is included herein with a detailed breakdown. The construction costs shown therein are primarily based on information available from our files on similar projects and adjusted as believed necessary at this time to reflect the construction



Mr. Francisco T. Fadul
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation
Re: Bridge No. 04446
Hop River Road over Hop River
Coventry, CT
December 26, 2018
Page 4 of 4

conditions expected to be encountered. Most unit prices were obtained from the latest CTDOT English Bid Item List. Costs should be interpreted as indicating the order of magnitude of anticipated costs. We believe the conceptual opinion of probable construction costs provides a reasonable basis for establishing the Estimated Construction Cost.

If there are any questions, feel free to contact me. We look forward to hearing from you soon.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES, INC.

A handwritten signature in cursive script that reads 'J. Howard Pfrommer'.

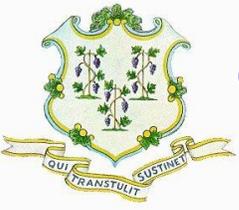
J. Howard Pfrommer, P.E.

JHP/mdc

Encl.

cc: John A. Elsesser, w/encl.
Todd M. Penney, P.E., w/encl.
DocStar

L:\10430010 Hop River Road Bridge\FLBP\FLBP pre-app\12-26-2018 Fadul.docx



CONNECTICUT DEPARTMENT OF TRANSPORTATION



LOCAL BRIDGE PROGRAM

PRELIMINARY APPLICATION

Preliminary application is hereby made by the Town/City/Borough of _____ for possible inclusion in the Local Bridge Program for Fiscal Year **2019** for the following structure:

Bridge Location: _____

Bridge Number: _____ Structure Length: _____ feet Curb-to-Curb Width: _____ feet

Sufficiency Rating: _____ % Priority Rating: _____ %

Evaluation & Rating Performed by: _____ State Forces _____ Others

If Others, Name of Professional Engineer: _____

Connecticut Professional Engineers License Number: _____

Engineering Firm: _____

Engineer's Address: _____

Engineer's E-mail Address: _____

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

Description of Project Scope: _____ *(note Bridge Repair Code as per Figure 5-1 of the current Local Bridge Program Manual; attach narrative/preliminary plans & specifications).*

Name of Municipal Official to Contact: _____

Title: _____ Telephone: _____ Ext: _____ Fax: _____

Mailing Address: _____

E-mail: _____

Anticipated Schedule:

(MM/DD/YYYY)

Public Meeting Conducted: _____

Design Completion: _____

Property Acquisition Completion: _____

Utilities Coordination Completion: _____

Construction Advertising: _____

Supplemental Application Submission: _____
(Not applicable for Federal Local Bridge Program Projects)

Start of Construction: _____

Completion of Construction: _____

Local Bridge Program – FY 2019 Preliminary Application

Bridge Number _____, Town/City/Borough of _____

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees) \$ _____

Rights-of-Way Cost (If applicable) \$ _____

Municipally Owned Utility Relocation Cost \$ _____

Estimated Construction Costs (Include Detailed Estimate) \$ _____

Construction Engineering (Inspection, Materials Testing) \$ _____

Contingencies (10% of Construction Costs Only) \$ _____

Total Estimated Project Cost \$ _____

Financial Aid Data:

NOTE: funding limited to Eligible Bridges as published at www.ct.gov/dot/localbridge or those found to be eligible in accordance with Section 2.3 – Priority Lists of the current Local Bridge Program Manual.

Federal Reimbursement:

Total Estimated Project Cost multiplied by 80%:

Federal Aid Request \$ _____

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

Total Estimated Project Cost multiplied by 50%:

Project Grant Request: \$ _____

Other Source of State or Federal funding received/applied for: \$ _____, State/Federal _____
Funding program: _____

I hereby certify that the above is accurate and true, to the best of my knowledge and belief. I also certify that this form has not been modified in any way from that distributed by the Department of Transportation for FY 2019.

Signature: _____ Date: _____

Name: _____ Title: _____

(Must be signed by Chief Elected Official, Town Manager, or other Officer Duly Authorized)

Return **original signed applications** to:

Mr. Francisco T. Fadul, P.E.
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, Connecticut 06131-7546

ATTACHMENT A

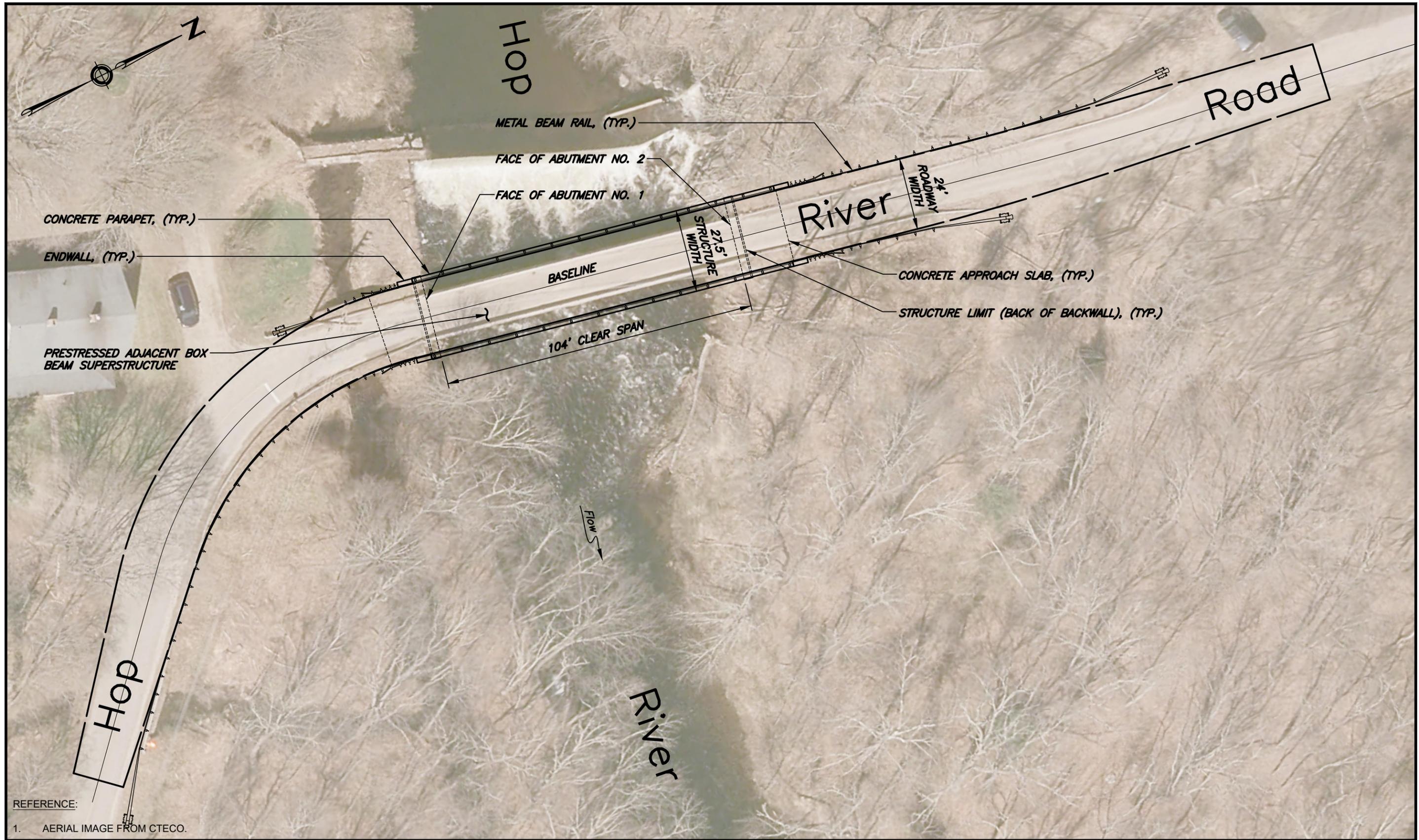
Attached Drawings and Documents containing *Concept Plans and Specifications* for the Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut:

Bridge Plan..... Sheet 1 of 3

Bridge Elevation..... Sheet 2 of 3

Bridge Section Sheet 3 of 3

Outline Specifications Pages 1 to 2



REFERENCE:

- 1. AERIAL IMAGE FROM CTECO.



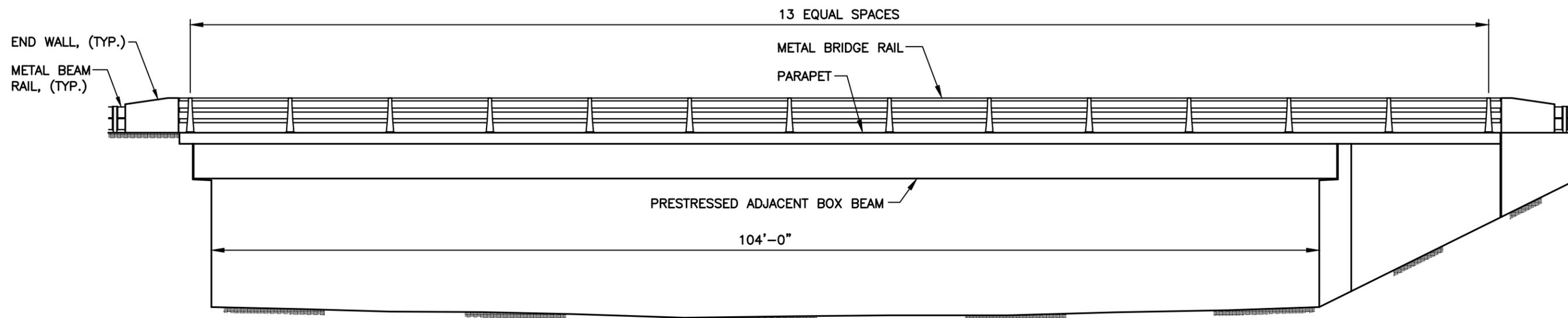
Nathan L. Jacobson & Associates, Inc.
 86 Main Street P.O. Box 337
 Chester, Connecticut 06412-0337
 Tel: (860) 526-9591 Fax: (860) 526-5416
 www.nlja.com
 Jacobson Consulting Civil and Environmental Engineers Since 1972

REPLACEMENT OF BRIDGE NO. 04446
 HOP RIVER ROAD OVER HOP RIVER
 COVENTRY, CONNECTICUT
CONCEPT BRIDGE PLAN

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

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 ALL RIGHTS RESERVED.

DATE:	DECEMBER 28, 2018	DESIGNED:	JHP
SCALE:	1"=30'	DRAWN:	AJG
PROJECT No.:	10430010	CHECKED:	-
CADD FILE:	10430010SP	SHEET No.:	1 OF 3



Nathan L. Jacobson & Associates, Inc.
 86 Main Street P.O. Box 337
 Chester, Connecticut 06412-0337
 Tel: (860) 526-9591 Fax: (860) 526-5416
 www.nlja.com

Jacobson Consulting Civil and Environmental Engineers Since 1972

REPLACEMENT OF BRIDGE NO. 04446
 HOP RIVER ROAD OVER HOP RIVER
 COVENTRY, CONNECTICUT

CONCEPT BRIDGE ELEVATION

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

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DATE: DECEMBER 28, 2018

DESIGNED: JHP

SCALE: 1"=10'

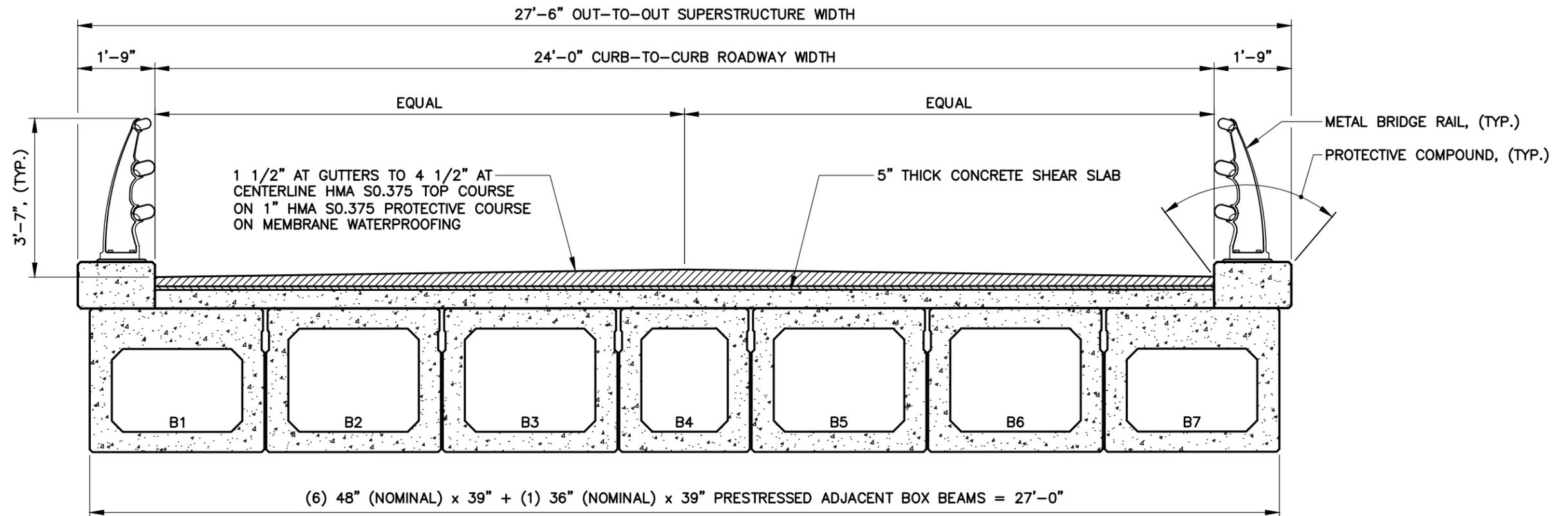
DRAWN: AJG

PROJECT No.: 10430010

CHECKED: -

CADD FILE: 10430010SP

SHEET No.: 2 OF 3



Nathan L. Jacobson & Associates, Inc.
 86 Main Street P.O. Box 337
 Chester, Connecticut 06412-0337
 Tel: (860) 526-9591 Fax: (860) 526-5416
 www.nlja.com

Consulting Civil and Environmental Engineers Since 1972

REPLACEMENT OF BRIDGE NO. 04446
 HOP RIVER ROAD OVER HOP RIVER
 COVENTRY, CONNECTICUT

CONCEPT BRIDGE SECTION

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

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DATE: DECEMBER 28, 2018

DESIGNED: JHP

SCALE: 3/8"=1'-0"

DRAWN: AJG

PROJECT No.: 10430010

CHECKED: -

CADD FILE: 10430010SP

SHEET No.: 3 OF 3

**Outline Specifications
for
Replacement of Bridge No. 04446,
Hop River Road over Hop River,
Coventry, Connecticut**

Division I: General Requirements and CovenantsSection:

- 1.01 Definitions of Terms and Permissible Abbreviations
- 1.02 Proposal Requirements and Conditions
- 1.03 Award and Execution of Contract
- 1.04 Scope of Work
- 1.05 Control of the Work
- 1.06 Control of Materials
- 1.07 Legal Relations and Responsibilities
- 1.08 Prosecution and Progress
- 1.09 Measurement and Payment
- 1.10 Environmental Compliance

Division II: Construction Details**Earthwork**Section:

- 2.01 Clearing and Grubbing
- 2.02 Roadway Excavation, Formation of Embankment and Disposal of Surplus Material
- 2.03 Structure Excavation
- 2.04 Cofferdam and Dewatering
- 2.07 Borrow
- 2.09 Subgrade
- 2.10 Water Pollution Control (Soil Erosion)
- 2.11 Anti-Tracking Pad
- 2.12 Subbase
- 2.14 Compacted Granular Fill
- 2.16 Pervious Structure Backfill
- 2.19 Sedimentation Control System
- 3.04 Processed Aggregate Base

Surface Courses or PavementsSection:

- 4.06 Bituminous Concrete

StructuresSection:

- 5.03 Removal of and Alterations to Existing Bridges
- 5.14 Prestressed Concrete Members
- 5.21 Elastomeric Bearing Pads
- 6.01 Concrete for Structures
- 6.02 Reinforcing Steel

Incidental ConstructionSection:

- 7.02 Piles
- 7.03 Riprap

- 7.07 Membrane Waterproofing (Woven Glass Fabric)
- 7.08 Dampproofing
- 7.28 Crushed Stone for Slope Protection
- 7.55 Geotextile
- 8.11 Concrete Curbing
- 8.22 Temporary Precast Concrete Barrier Curb
- 9.04 Metal Bridge Rail
- 9.10 Metal Beam Rail
- 9.11 Metal Beam Rail Anchorages
- 9.12 Remove and Reset Posts, Rail and Rail Anchorages
- 9.39 Sweeping for Dust Control
- 9.44 Topsoil
- 9.46 Liming
- 9.50 Turf Establishment
- 9.71 Maintenance and Protection of Traffic
- 9.74 Removal of Existing Masonry
- 9.75 Mobilization and Project Closeout
- 9.76 Barricade Warning Lights
- 9.79 Construction Barricades
- 9.80 Construction Staking

Traffic Control

Section:

- 12.08 Sign Face – Sheet Aluminum
- 12.10 Epoxy Resin Pavement Markings
- 12.20 Construction Signs
- 18.07 Temporary Impact Attenuation Systems

Division III: Materials Section

Section:

- M.01 Gradation of Aggregate
- M.02 Granular Fill, Subbase, Granular Base and Surfaces, Stone Base, Pervious Structure Backfill, Free-Draining Material, Crusher-Run Stone
- M.03 Portland Cement Concrete
- M.04 Bituminous Concrete Materials
- M.05 Processed Aggregate Base and Pavement Surface Treatment
- M.06 Metals
- M.07 Paint
- M.08 Drainage
- M.09 Sheet Piles and Piles
- M.10 Railing and Fence
- M.12 Bearing Areas, Riprap, Slope Paving & Slope Protection, Waterproofing and Dampproofing, Stone and Granite Slope Curbing, Calcium Chloride for Dust Control, Wood
- M.13 Roadside Development
- M.14 Prestressed Concrete Members
- M.17 Elastomeric Materials
- M.18 Signing

ATTACHMENT B

Assumed breakdown of *Preliminary Engineering Fees* for the Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut:

Survey	\$15,000
Soil Borings	\$18,000
Preliminary Design	\$110,000
Permits.....	\$40,000
<u>Final Design.....</u>	<u>\$198,900</u>
TOTAL.....	\$381,900

ATTACHMENT C

Attached Spreadsheet containing: *Detailed Estimate of Construction Cost* for the Replacement of Bridge No. 04446, Hop River Road over Hop River, Coventry, Connecticut:

2021 Conceptual Opinion of Probable Construction CostsPages 1 to 3

NATHAN L. JACOBSON & ASSOCIATES, INC.
 Consulting Civil and Environmental Engineers Since 1972
 Chester, Connecticut

2021 CONCEPTUAL OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 04446, Hop River Road over Hop River
 JOB NO.: 10430010
 BY: MAL
 DATE: 12/11/2018

TOWN: Coventry, CT
 CHECKED BY: JHP
 DATE: 12/21/2018

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
0202000	Earth Excavation	60	C.Y.	\$ 20.40	\$ 1,224.00
0202100	Rock Excavation	20	C.Y.	\$ 39.00	\$ 780.00
0202351	Unsuitable Material Excavation	20	C.Y.	\$ 43.00	\$ 860.00
0202529	Cut Bituminous Concrete Pavement	40	L.F.	\$ 2.40	\$ 96.00
0203202	Structure Excavation - Earth (Excl. Cofferdam & Dewatering)	550	C.Y.	\$ 26.60	\$ 14,630.00
0203304	Structure Excavation - Rock (Excl. Cofferdam & Dewatering)	20	C.Y.	\$ 99.40	\$ 1,988.00
0204001A	Cofferdam and Dewatering	240	L.F.	\$ 293.00	\$ 70,320.00
0207000	Borrow	4,750	C.Y.	\$ 18.60	\$ 88,350.00
0209001	Formation of Subgrade	1,500	S.Y.	\$ 3.00	\$ 4,500.00
0210300A	Oil Absorbent Boom	100	L.F.	\$ 23.00	\$ 2,300.00
0210301A	Oil Absorbent Blanket	500	L.F.	\$ 5.00	\$ 2,500.00
0210302A	Containment Boom	200	L.F.	\$ 25.00	\$ 5,000.00
0211000	Anti-Tracking Pad	223	S.Y.	\$ 33.40	\$ 7,448.20
0212000	Subbase	350	C.Y.	\$ 42.40	\$ 14,840.00
0214100	Compacted Granular Fill	10	C.Y.	\$ 69.80	\$ 698.00
0216000	Pervious Structure Backfill	400	C.Y.	\$ 60.40	\$ 24,160.00
0219001	Sedimentation Control System	820	L.F.	\$ 5.40	\$ 4,428.00
0304002	Processed Aggregate Base	175	C.Y.	\$ 42.00	\$ 7,350.00
0406171	HMA S0.5	100	TON	\$ 114.60	\$ 11,460.00
0406172	HMA S0.375	200	TON	\$ 137.20	\$ 27,440.00
0406236	Material for Tack Coat	70	GAL.	\$ 6.60	\$ 462.00
0406303	Sawing and Sealing Joints	56	L.F.	\$ 10.60	\$ 593.60
0503001A	Removal of Superstructure	1	L.S.	\$ 100,000.00	\$ 100,000.00
0514XXX	Prestressed Deck Units (3'-0" x 3'-3")	645	L.F.	\$ 354.90	\$ 228,910.50
0514213	Prestressed Deck Units (4'-0" x 3'-3")	108	L.F.	\$ 473.20	\$ 51,105.60
0520036A	Asphaltic Plug Expansion Joint System	25	C.F.	\$ 305.60	\$ 7,640.00
0521007	Elastomeric Bearings	28	EA.	\$ 832.00	\$ 23,296.00
0601000	Class "A" Concrete	220	C.Y.	\$ 743.00	\$ 163,460.00
0601091A	Simulated Stone Masonry	35	S.Y.	\$ 122.80	\$ 4,298.00
0601201	Class "F" Concrete	140	C.Y.	\$ 1,258.00	\$ 176,120.00
0601504	1" Preformed Expansion Joint Filler For Bridges	210	S.F.	\$ 6.20	\$ 1,302.00
0602000	Deformed Steel Bars	20,500	LB.	\$ 1.40	\$ 28,700.00
0602006	Deformed Steel Bars - Epoxy Coated	18,800	LB.	\$ 1.60	\$ 30,080.00
0702101	Furnishing Steel Piles	124,992	LB.	\$ 0.60	\$ 74,995.20
0702111	Driving Steel Piles	1,488	L.F.	\$ 59.00	\$ 87,792.00
0702338	Test Pile (Steel HP 12 x 84 - 62' Long)	2	EA.	\$ 8,850.00	\$ 17,700.00
0703011	Intermediate Riprap	30	C.Y.	\$ 84.20	\$ 2,526.00
0707001A	Membrane Waterproofing (Woven Glass Fabric)	350	S.Y.	\$ 52.60	\$ 18,410.00
0708001	Dampproofing	175	S.Y.	\$ 17.20	\$ 3,010.00
0728008	3/8" Crushed Stone	25	C.Y.	\$ 65.20	\$ 1,630.00
0755009	Geotextile	50	S.Y.	\$ 3.00	\$ 150.00
0811001	Concrete Curbing	96	L.F.	\$ 32.40	\$ 3,110.40

2021 CONCEPTUAL OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 04446, Hop River Road over Hop River
 JOB NO.: 10430010
 BY: MAL
 DATE: 12/11/2018

TOWN: Coventry, CT
 CHECKED BY: JHP
 DATE: 12/21/2018

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
0822001	Temporary Precast Concrete Barrier Curb	40	L.F.	\$ 34.60	\$ 1,384.00
0904304	Metal Bridge Rail - Three Rail (Combination)	248	L.F.	\$ 418.60	\$ 103,812.80
0910173	R-B 350 Bridge Attachment - Vertical Shape Parapet	4	EA.	\$ 2,953.40	\$ 11,813.60
0910300	Metal Beam Rail (R-B MASH)	275	L.F.	\$ 25.00	\$ 6,875.00
0911923	R-B End Anchorage Type 1	4	EA.	\$ 1,438.60	\$ 5,754.40
0912503	Remove Metal Beam Rail	200	L.F.	\$ 5.20	\$ 1,040.00
0939001	Sweeping for Dust Control	130	HR.	\$ 41.00	\$ 5,330.00
0944000	Furnishing and Placing Topsoil	2,800	S.Y.	\$ 6.80	\$ 19,040.00
0946001	Liming	1.2	TON	\$ 600.00	\$ 720.00
0950005	Turf Establishment	2,800	S.Y.	\$ 1.60	\$ 4,480.00
0950039	Erosion Control Matting Type D	2,800	S.Y.	\$ 3.00	\$ 8,400.00
0969060A	Construction Field Office, Small	8	MO.	\$ 2,827.40	\$ 22,619.20
0974001A	Removal of Existing Masonry	100	C.Y.	\$ 250.20	\$ 25,020.00
0976002	Barricade Warning Lights - High Intensity	2,520	DAY	\$ 0.80	\$ 2,016.00
0979003	Construction Barricade Type III	8	EA.	\$ 133.80	\$ 1,070.40
1208931	Sign Face - Sheet Aluminum (Type IX Retroreflective Sheeting)	3	S.F.	\$ 31.80	\$ 95.40
1210102	4" Yellow Epoxy Resin Pavement Markings	510	L.F.	\$ 0.40	\$ 204.00
1220027	Construction Signs	240	S.F.	\$ 20.40	\$ 4,896.00
1807012	Temporary Impact Attenuation System Type A Module 700 LBS.	8	EA.	\$ 395.20	\$ 3,161.60
1807013	Temporary Impact Attenuation System Type A Module 1400 LBS.	10	EA.	\$ 382.20	\$ 3,822.00
1807014	Temporary Impact Attenuation System Type A Module 2100 LBS.	40	EA.	\$ 383.00	\$ 15,320.00

Traffic Subtotal: \$ 1,562,537.90

0201001	CLEARING & GRUBBING (as % of total contract items)	2.0%	\$	46,297
0971001A	M&P of TRAFFIC (as % of total contract items)	3.0%	\$	69,446
0975002	MOBILIZATION AND PROJECT CLOSEOUT (as % of total contract items)	6.5%	\$	150,467
0980001	CONSTRUCTION STAKING (as % of total contract items)	1.0%	\$	23,149
	MINOR ITEM ALLOWANCE (as % of total contract items)	20.0%	\$	462,974

Base Estimate \$ 2,314,871

INFLATION (See note 4 below)	10.0%	\$	231,487
------------------------------	-------	----	---------

OPINION OF PROBABLE CONSTRUCTION COST WITH INFLATION \$ 2,546,358

CONTINGENCY (Applied to Base Estimate)	20.0%	\$	509,272
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OPINION OF PROBABLE CONSTRUCTION COST, INCLUDING CONTINGENCY \$ 3,055,630

NOTES:

- Unit prices are generally from the CTDOT "English Item Master File" dated December 2018. Remaining unit prices are from NLJA files, engineering judgement, CJM directive, or previous year CTDOT Item Master File with a 3.5% per year inflation.
- Quantities are from conceptual design drawings.
- Minor item allowance and contingency are in accordance with the recommendations in the "Connecticut DOT 2017 Cost Estimating Guidelines".
- An inflation factor of 10% for three years, based on 3.5% per year, was utilized.

NATHAN L. JACOBSON & ASSOCIATES, INC.
Consulting Civil and Environmental Engineers Since 1972
Chester, Connecticut

2021 CONCEPTUAL OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 04446, Hop River Road over Hop River
JOB NO.: 10430010
BY: MAL
DATE: 12/11/2018

TOWN: Coventry, CT

CHECKED BY: JHP
DATE: 12/21/2018

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
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5. This opinion of probable construction costs has been prepared at the conceptual design phase of the project. These costs are therefore based on quantity take off and engineering judgement based on information from our files on similar projects, adjusted as believed necessary at this time to reflect the construction conditions expected to be encountered. These costs should be interpreted as indicating the order of magnitude of anticipated costs. More definitive costs will be determined during subsequent stages of design and actual costs will be determined as a result of open competitive bidding by qualified contractors after construction contract documents for the project are advertised for bids. Within the qualifications given above, we believe the conceptual design opinion of probable construction costs provides a reasonable basis for evaluating the project budget.

CAPITAL IMPROVEMENT PLAN

TEN-YEAR OUTLOOK

Town of Coventry, Connecticut
Capital Improvement Plan
 FY 24 thru FY 33

DEPARTMENT SUMMARY

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
CNREF		20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
Culture & Recreation		304,200	76,500	110,000	105,000	10,115,000	15,000	15,000	15,000	15,000		10,770,700
Education		4,160,000	1,021,000	7,218,000	406,000	380,000	295,000	295,000	2,095,000	50,000	50,000	15,970,000
General Administration		7,144,000	157,800	91,000	2,072,000	182,000	122,000	72,000	80,000	80,000	85,000	10,085,800
Human Services		35,000	60,000			30,000			70,000			195,000
Public Safety		186,000	448,000	721,500	193,500	270,500	253,000	704,000	206,500	218,500	198,000	3,399,500
Public Works		5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	5,425,000	1,833,000	1,467,000	1,472,000	280,000	45,918,800
GRAND TOTAL		17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 33

FUNDING SOURCE SUMMARY

Source	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Bonding	2,000,000	352,500	3,415,000	500,000	16,000,000	4,000,000	500,000	1,000,000			27,767,500
Cafeteria Fund	20,000										20,000
Capital NonRecurring Fund	50,000										50,000
Cemetery Fund	5,000										5,000
Donations\Non-Gov't Grant	105,460										105,460
EMS Fund			462,000		50,000		500,000				1,012,000
General Fund	820,000	1,546,800	1,750,000	1,541,500	1,787,500	1,700,000	1,481,000	1,801,500	1,748,500	533,000	14,709,800
Lease Purchase	235,000	495,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,820,000
Local Locip (Town Clerk fees)	10,000										10,000
LOCIP	101,000	100,000	100,000	100,000	100,000	40,000	70,000				611,000
Miscellaneous Highway Fund	16,000										16,000
Recreation Fund	5,000	5,000	5,000	5,000	5,000	5,000	15,000	15,000	15,000		75,000
Sewer Fund	15,000		218,000	180,000	26,000	14,000					453,000
State/Federal Grant/Loan	14,200,790	17,029,250	3,290,000	1,790,000	2,290,000	290,000	290,000	1,050,000			40,230,040
GRAND TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800

Town of Coventry, Connecticut
Capital Improvement Plan
 FY 24 thru FY 33

PROJECTS BY DEPARTMENT

Department	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
CNREF													
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
CNREF Total			20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
Culture & Recreation													
Parking Lot Resurfacing	09-CR-05	3					50,000						50,000
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	15,000	15,000	15,000	15,000		190,000
Miller Richardson Improvements	09-CR-07	1	16,000				50,000						66,000
Laidlaw Park Improvements	09-CR-08	3	12,000										12,000
Creaser Park	09-CR-11	3			20,000	20,000							40,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000									15,000
New Community Center	23-CR-02	2				60,000	10,000,000						10,060,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500									26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000										19,000
Portico Repairs	24-CR-03	2			75,000								75,000
Hop River Trail Signage	24-CR-05	3	57,200										57,200
Recreational Trails - Hunt Property	24-CR-06	3	160,000										160,000
Culture & Recreation Total			304,200	76,500	110,000	105,000	10,115,000	15,000	15,000	15,000	15,000		10,770,700
Education													
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	495,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000			360,000
School Carpet Replacement	09-ED-14	2		30,000									30,000
School Custodial Equipment	14-ED-03	3			25,000								25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000						135,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000							72,000
CHS Lecture Hall Seating	14-ED-09	3			70,000								70,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000								43,000

Department	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
PSS Van Replacement	18-ED-06	2			70,000								70,000
GHR Parking Lot Replacement	18-ED-07	3			350,000								350,000
Fireproof File Cabinets	20-ED-04	3					50,000						50,000
Relocate High School Weight Room	20-ED-05	1		450,000									450,000
Replacement Lockers - CNH	21-ED-05	3			65,000								65,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000							75,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	200,000	200,000				1,200,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000									25,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000										4,000,000
District Wide Roof Replacement	24-ED-03	2								2,000,000			2,000,000
District Wide Window Replacement	24-ED-04	3		150,000	6,000,000								6,150,000
CHS Asbestos Removal	24-ED-05	4		35,000	250,000								285,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000										20,000
Education Total			4,160,000	1,021,000	7,218,000	406,000	380,000	295,000	295,000	2,095,000	50,000	50,000	15,970,000

General Administration

Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	55,000	478,000
Revaluation	09-GA-02	1	65,000	77,800			50,000	50,000					242,800
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	255,000
Meeting Room Addition	09-GA-08	3				2,000,000							2,000,000
Town Hall Renovations	09-GA-09	1			10,000		60,000						70,000
Public Water Supply and Fire Suppression.	14-GA-02	1	7,000,000										7,000,000
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000								30,000
Electronic Document Management System	22-GA-03	2	10,000										10,000
General Administration Total			7,144,000	157,800	91,000	2,072,000	182,000	122,000	72,000	80,000	80,000	85,000	10,085,800

Human Services

Elderly Van Replacement	09-HS-01	3		60,000						70,000			130,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000										35,000
Re-roofing senior center	24-HS-02	3					30,000						30,000
Human Services Total			35,000	60,000			30,000			70,000			195,000

Public Safety

Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	135,000	70,000	70,000	70,000	140,000	871,000
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Department	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	30,000	30,000	32,500	32,500		257,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	232,000
Ambulance Replacement	18-PS-01	1			462,000				500,000				962,000
Service Truck Replacements	19-PS-03	2		80,000									80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000								150,000
Police Station Updates	19-PS-06	3	15,000				35,000						50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000							20,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	24,000	30,000	30,000	32,000	34,000	258,000
Lucas Device	22-PS-03	3					50,000						50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	40,000	50,000	50,000	60,000		400,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000								30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000									39,000
Public Safety Total			186,000	448,000	721,500	193,500	270,500	253,000	704,000	206,500	218,500	198,000	3,399,500

Public Works

Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,565,000
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000		7,720,000
Large Drainage Projects	09-PW-07	3			10,000		35,000		35,000				80,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	20,000	20,000				113,500
Field Irrigation	09-PW-11	4			20,000								20,000
Small Dump Trucks	09-PW-14	2		105,000				120,000					225,000
Pick-up Trucks	09-PW-15	3		65,000		70,000							135,000
Mowers (fine cut)	09-PW-16	2	16,000		16,500								32,500
Urban Forestry Stewardship	09-PW-19	3				30,000							30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000									15,000
Open Space Stewardship	13-PW-05	3		10,000		20,000							30,000
Tri-axle Dump Truck	13-PW-07	3		150,000									150,000
Guardrail	13-PW-08	3		20,000		10,000		10,000	15,000				55,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000								60,000
Sewer Expansion-Cheney Lane/ Main & Hemlock Point	14-PW-06	2						4,000,000					4,000,000
Sewer Expansion-Upper Oak Grove	14-PW-07	3							500,000				500,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000						8,000,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000							300,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000						12,000
Additional Infiltration Basins	21-PW-06	2			200,000								200,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000									900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000										3,000,000

Department	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Auger Monster	22-PW-01	2				110,000							110,000
Pump Replacements	22-PW-02	3			18,000		14,000	14,000					46,000
Additonal Backhoe	23-PW-04	3				180,000							180,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000							70,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000										15,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000										20,000
Add Heat to DPW Buidling at CHS	24-PW-02	3			10,000								10,000
Staff Vehicles	24-PW-03	2	50,000										50,000
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000									7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750									5,200,400
Pedestrian Improvements	24-PW-06	2		498,000									498,000
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000									4,185,000
Public Works Total			5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	5,425,000	1,833,000	1,467,000	1,472,000	280,000	45,918,800
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 33

PROJECTS BY FUNDING SOURCE

Source	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Bonding													
Meeting Room Addition	09-GA-08	3				500,000							500,000
Public Water Supply and Fire Suppression.	14-GA-02	1	1,000,000										1,000,000
Sewer Expansion-Cheney Lane/ Main & Hemlock Point	14-PW-06	2						4,000,000					4,000,000
Sewer Expansion-Upper Oak Grove	14-PW-07	3							500,000				500,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					6,000,000						6,000,000
GHR Parking Lot Replacement	18-ED-07	3			350,000								350,000
Relocate High School Weight Room	20-ED-05	1		202,500									202,500
Replacement Lockers - CNH	21-ED-05	3			65,000								65,000
New Community Center	23-CR-02	2					10,000,000						10,000,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	1,000,000										1,000,000
District Wide Roof Replacement	24-ED-03	2								1,000,000			1,000,000
District Wide Window Replacement	24-ED-04	3		150,000	3,000,000								3,150,000
Bonding Total			2,000,000	352,500	3,415,000	500,000	16,000,000	4,000,000	500,000	1,000,000			27,767,500
Cafeteria Fund													
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000										20,000
Cafeteria Fund Total			20,000										20,000
Capital NonRecurring Fund													
Staff Vehicles	24-PW-03	2	50,000										50,000
Capital NonRecurring Fund Total			50,000										50,000

Source	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Cemetery Fund													
Cemetery Expansion/Improvements	14-PW-04	3	5,000										5,000
Cemetery Fund Total			5,000										5,000
Donations\Non-Gov't Grant													
Miller Richardson Improvements	09-CR-07	1	6,000										6,000
Special Operations Equipment	23-PS-01	3	20,000										20,000
Hop River Trail Signage	24-CR-05	3	12,460										12,460
Recreational Trails - Hunt Property	24-CR-06	3	32,000										32,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000										35,000
Donations\Non-Gov't Grant Total			105,460										105,460
EMS Fund													
Ambulance Replacement	18-PS-01	1			462,000				500,000				962,000
Lucas Device	22-PS-03	3					50,000						50,000
EMS Fund Total					462,000		50,000		500,000				1,012,000
General Fund													
Parking Lot Resurfacing	09-CR-05	3					50,000						50,000
Miller Richardson Improvements	09-CR-07	1					50,000						50,000
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	495,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000			360,000
School Carpet Replacement	09-ED-14	2		30,000									30,000
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	55,000	478,000
Revaluation	09-GA-02	1	65,000	77,800			50,000	50,000					242,800
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	255,000
Town Hall Renovations	09-GA-09	1					60,000						60,000
Elderly Van Replacement	09-HS-01	3		10,000						20,000			30,000
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	135,000	70,000	70,000	70,000	140,000	871,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	30,000	30,000	32,500	32,500		257,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	232,000
Summer Roads	09-PW-06	1	290,000	290,000	290,000	290,000	710,000	710,000	710,000	1,200,000	1,200,000		5,690,000
Small Dump Trucks	09-PW-14	2						120,000					120,000
Pick-up Trucks	09-PW-15	3		65,000		70,000							135,000
Mowers (fine cut)	09-PW-16	2			16,500								16,500

Source	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Urban Forestry Stewardship	09-PW-19	3				30,000							30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000									15,000
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
School Custodial Equipment	14-ED-03	3			25,000								25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000						135,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000							72,000
CHS Lecture Hall Seating	14-ED-09	3			70,000								70,000
Cemetery Expansion/Improvements	14-PW-04	3			50,000								50,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000							300,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000								43,000
PSS Van Replacement	18-ED-06	2			70,000								70,000
Service Truck Replacements	19-PS-03	2		80,000									80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000								150,000
Fireproof File Cabinets	20-ED-04	3					50,000						50,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	24,000	30,000	30,000	32,000	34,000	258,000
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000								30,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000									15,000
New Community Center	23-CR-02	2				60,000							60,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000							75,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	200,000	200,000				1,200,000
Special Operations Equipment	23-PS-01	3	20,000	40,000	40,000	40,000	40,000	40,000	50,000	50,000	60,000		380,000
Additonal Backhoe	23-PW-04	3				180,000							180,000
Portico Repairs	24-CR-03	2			75,000								75,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000									25,000
CHS Asbestos Removal	24-ED-05	4		35,000	250,000								285,000
Re-roofing senior center	24-HS-02	3					30,000						30,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000								30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000									39,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000										20,000
General Fund Total			820,000	1,546,800	1,750,000	1,541,500	1,787,500	1,700,000	1,481,000	1,801,500	1,748,500	533,000	14,709,800

Lease Purchase

Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,565,000
Small Dump Trucks	09-PW-14	2		105,000									105,000
Tri-axle Dump Truck	13-PW-07	3		150,000									150,000

Source	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Lease Purchase Total			235,000	495,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,820,000
Local Locip (Town Clerk fees)													
Electronic Document Management System	22-GA-03	2	10,000										10,000
Local Locip (Town Clerk fees) Total			10,000										10,000
LOCIP													
Patriots Park Improvements	09-CR-06	2	25,000	40,000	10,000	20,000	10,000	10,000					115,000
Miller Richardson Improvements	09-CR-07	1	10,000										10,000
Laidlaw Park Improvements	09-CR-08	3	12,000										12,000
Creaser Park	09-CR-11	3			20,000	20,000							40,000
Town Hall Renovations	09-GA-09	1			10,000								10,000
Large Drainage Projects	09-PW-07	3			10,000		35,000		35,000				80,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	20,000	20,000				113,500
Field Irrigation	09-PW-11	4			20,000								20,000
Open Space Stewardship	13-PW-05	3		10,000		20,000							30,000
Guardrail	13-PW-08	3		20,000		10,000		10,000	15,000				55,000
Police Station Updates	19-PS-06	3	15,000				35,000						50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000							20,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500									26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000										19,000
Add Heat to DPW Buidling at CHS	24-PW-02	3			10,000								10,000
LOCIP Total			101,000	100,000	100,000	100,000	100,000	40,000	70,000				611,000
Miscellaneous Highway Fund													
Mowers (fine cut)	09-PW-16	2	16,000										16,000
Miscellaneous Highway Fund Total			16,000										16,000
Recreation Fund													
Patriots Park Improvements	09-CR-06	2	5,000	5,000	5,000	5,000	5,000	5,000	15,000	15,000	15,000		75,000
Recreation Fund Total			5,000	5,000	5,000	5,000	5,000	5,000	15,000	15,000	15,000		75,000
Sewer Fund													
Muffin Monster Cutter Exchange	21-PW-04	3					12,000						12,000
Additional Infiltration Basins	21-PW-06	2			200,000								200,000

Source	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Auger Monster	22-PW-01	2				110,000							110,000
Pump Replacements	22-PW-02	3			18,000		14,000	14,000					46,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000							70,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000										15,000
Sewer Fund Total			15,000		218,000	180,000	26,000	14,000					453,000

State/Federal Grant/Loan

Meeting Room Addition	09-GA-08	3				1,500,000							1,500,000
Elderly Van Replacement	09-HS-01	3		50,000						50,000			100,000
Summer Roads	09-PW-06	1	290,000	290,000	290,000	290,000	290,000	290,000	290,000				2,030,000
Public Water Supply and Fire Suppression.	14-GA-02	1	6,000,000										6,000,000
Cemetery Expansion/Improvements	14-PW-04	3	5,000										5,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					2,000,000						2,000,000
Relocate High School Weight Room	20-ED-05	1		247,500									247,500
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000									900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000										3,000,000
Hop River Trail Signage	24-CR-05	3	44,740										44,740
Recreational Trails - Hunt Property	24-CR-06	3	128,000										128,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	3,000,000										3,000,000
District Wide Roof Replacement	24-ED-03	2								1,000,000			1,000,000
District Wide Window Replacement	24-ED-04	3			3,000,000								3,000,000
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000									7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750									5,200,400
Pedestrian Improvements	24-PW-06	2		498,000									498,000
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000									4,185,000
State/Federal Grant/Loan Total			14,200,790	17,029,250	3,290,000	1,790,000	2,290,000	290,000	290,000	1,050,000			40,230,040

GRAND TOTAL

			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800
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Town of Coventry, Connecticut
Capital Improvement Plan

FY 24 thru FY 33

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
CNREF												
CNREF FUND	12-GA-01	20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
	CNREF Total	20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
<i>General Fund</i>		20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
	CNREF Total	20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
Culture & Recreation												
Parking Lot Resurfacing	09-CR-05					50,000						50,000
Patriots Park Improvements	09-CR-06	30,000	45,000	15,000	25,000	15,000	15,000	15,000	15,000	15,000		190,000
Miller Richardson Improvements	09-CR-07	16,000				50,000						66,000
Laidlaw Park Improvements	09-CR-08	12,000										12,000
Creaser Park	09-CR-11			20,000	20,000							40,000
Furnishing Replacement and Additional Shelving	23-CR-01		15,000									15,000
New Community Center	23-CR-02				60,000	10,000,000						10,060,000
Lisicke Beach Improvements	24-CR-01	10,000	16,500									26,500
Pickle Ball court repair at CHS	24-CR-02	19,000										19,000
Portico Repairs	24-CR-03			75,000								75,000
Hop River Trail Signage	24-CR-05	57,200										57,200
Recreational Trails - Hunt Property	24-CR-06	160,000										160,000
	Culture & Recreation Total	304,200	76,500	110,000	105,000	10,115,000	15,000	15,000	15,000	15,000		10,770,700
<i>Bonding</i>						10,000,000						10,000,000
<i>Donations\Non-Gov't Grant</i>		50,460										50,460
<i>General Fund</i>			15,000	75,000	60,000	100,000						250,000

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
<i>LOCIP</i>		76,000	56,500	30,000	40,000	10,000	10,000					222,500
<i>Recreation Fund</i>		5,000	5,000	5,000	5,000	5,000	5,000	15,000	15,000	15,000		75,000
<i>State/Federal Grant/Loan</i>		172,740										172,740
<i>Culture & Recreation Total</i>		304,200	76,500	110,000	105,000	10,115,000	15,000	15,000	15,000	15,000		10,770,700

Education

Network Upgrades	09-ED-01	45,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	495,000
Classroom Furniture	09-ED-11	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000			360,000
School Carpet Replacement	09-ED-14		30,000									30,000
School Custodial Equipment	14-ED-03			25,000								25,000
School Maintenance Vehicles	14-ED-05		50,000		50,000	35,000						135,000
School Wood Floor Refinishing	14-ED-06		36,000		36,000							72,000
CHS Lecture Hall Seating	14-ED-09			70,000								70,000
Crack Sealing of School Parking Lots	18-ED-01			43,000								43,000
PSS Van Replacement	18-ED-06			70,000								70,000
GHR Parking Lot Replacement	18-ED-07			350,000								350,000
Fireproof File Cabinets	20-ED-04					50,000						50,000
Relocate High School Weight Room	20-ED-05		450,000									450,000
Replacement Lockers - CNH	21-ED-05			65,000								65,000
Fire Tank Repair and Inspection	23-ED-01			50,000	25,000							75,000
Classroom technology	23-ED-02	50,000	150,000	200,000	200,000	200,000	200,000	200,000				1,200,000
CGS Perimeter Sidewalk Replacement	24-ED-01		25,000									25,000
District-wide HVAC Replacement and Upgrade	24-ED-02	4,000,000										4,000,000
District Wide Roof Replacement	24-ED-03								2,000,000			2,000,000
District Wide Window Replacement	24-ED-04		150,000	6,000,000								6,150,000
CHS Asbestos Removal	24-ED-05		35,000	250,000								285,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	20,000										20,000
Education Total		4,160,000	1,021,000	7,218,000	406,000	380,000	295,000	295,000	2,095,000	50,000	50,000	15,970,000

<i>Bonding</i>		1,000,000	352,500	3,415,000					1,000,000			5,767,500
<i>Cafeteria Fund</i>		20,000										20,000
<i>General Fund</i>		140,000	421,000	803,000	406,000	380,000	295,000	295,000	95,000	50,000	50,000	2,935,000
<i>State/Federal Grant/Loan</i>		3,000,000	247,500	3,000,000					1,000,000			7,247,500

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
	Education Total	4,160,000	1,021,000	7,218,000	406,000	380,000	295,000	295,000	2,095,000	50,000	50,000	15,970,000
General Administration												
Information Technology	09-GA-01	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	55,000	478,000
Revaluation	09-GA-02	65,000	77,800			50,000	50,000					242,800
Open Space Acquisition/Capital Maintenance	09-GA-05	15,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	255,000
Meeting Room Addition	09-GA-08				2,000,000							2,000,000
Town Hall Renovations	09-GA-09			10,000		60,000						70,000
Public Water Supply and Fire Suppression.	14-GA-02	7,000,000										7,000,000
GIS Upgrades	22-GA-01	10,000	10,000	10,000								30,000
Electronic Document Management System	22-GA-03	10,000										10,000
	General Administration Total	7,144,000	157,800	91,000	2,072,000	182,000	122,000	72,000	80,000	80,000	85,000	10,085,800
	Bonding	1,000,000			500,000							1,500,000
	General Fund	134,000	157,800	81,000	72,000	182,000	122,000	72,000	80,000	80,000	85,000	1,065,800
	Local Locip (Town Clerk fees)	10,000										10,000
	LOCIP			10,000								10,000
	State/Federal Grant/Loan	6,000,000			1,500,000							7,500,000
	General Administration Total	7,144,000	157,800	91,000	2,072,000	182,000	122,000	72,000	80,000	80,000	85,000	10,085,800
Human Services												
Elderly Van Replacement	09-HS-01		60,000						70,000			130,000
Senior Center Commercial Kitchen	24-HS-01	35,000										35,000
Re-roofing senior center	24-HS-02					30,000						30,000
	Human Services Total	35,000	60,000			30,000			70,000			195,000
	Donations\Non-Gov't Grant	35,000										35,000
	General Fund		10,000			30,000			20,000			60,000
	State/Federal Grant/Loan		50,000						50,000			100,000
	Human Services Total	35,000	60,000			30,000			70,000			195,000

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Public Safety												
Police Vehicle Replacements	09-PS-01	52,000	130,000	64,000	70,000	70,000	135,000	70,000	70,000	70,000	140,000	871,000
Personal Protective Turn-out Gear	09-PS-04	25,000	25,000	27,500	27,500	27,500	30,000	30,000	32,500	32,500		257,500
Self Contained Breathing Apparatus	09-PS-05	24,000	24,000	16,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	232,000
Ambulance Replacement	18-PS-01			462,000				500,000				962,000
Service Truck Replacements	19-PS-03		80,000									80,000
Engine Tanker Refurbishment	19-PS-05		75,000	75,000								150,000
Police Station Updates	19-PS-06	15,000				35,000						50,000
Fire Pond Maintenance and Creation	20-PS-04	10,000			10,000							20,000
Hose and Equipment	21-PS-06	20,000	20,000	22,000	22,000	24,000	24,000	30,000	30,000	32,000	34,000	258,000
Lucas Device	22-PS-03					50,000						50,000
Special Operations Equipment	23-PS-01	40,000	40,000	40,000	40,000	40,000	40,000	50,000	50,000	60,000		400,000
Training Room Improvement/Equipment	24-PS-01		15,000	15,000								30,000
SCBA PPE Multi-Washer	24-PS-02		39,000									39,000
Public Safety Total		186,000	448,000	721,500	193,500	270,500	253,000	704,000	206,500	218,500	198,000	3,399,500

<i>Donations\Non-Gov't Grant</i>		20,000										20,000
<i>EMS Fund</i>				462,000		50,000		500,000				1,012,000
<i>General Fund</i>		141,000	448,000	259,500	183,500	185,500	253,000	204,000	206,500	218,500	198,000	2,297,500
<i>LOCIP</i>		25,000			10,000	35,000						70,000
Public Safety Total		186,000	448,000	721,500	193,500	270,500	253,000	704,000	206,500	218,500	198,000	3,399,500

Public Works												
Large Dump Replacement	09-PW-01	235,000	240,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,565,000
Summer Roads	09-PW-06	580,000	580,000	580,000	580,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000		7,720,000
Large Drainage Projects	09-PW-07			10,000		35,000		35,000				80,000
Small Bridge and Culverts	09-PW-09		13,500	20,000	20,000	20,000	20,000	20,000				113,500
Field Irrigation	09-PW-11			20,000								20,000
Small Dump Trucks	09-PW-14		105,000				120,000					225,000
Pick-up Trucks	09-PW-15		65,000		70,000							135,000
Mowers (fine cut)	09-PW-16	16,000		16,500								32,500
Urban Forestry Stewardship	09-PW-19				30,000							30,000
Sidewalk Extension and Repair	11-PW-03		15,000									15,000

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Open Space Stewardship	13-PW-05		10,000		20,000							30,000
Tri-axle Dump Truck	13-PW-07		150,000									150,000
Guardrail	13-PW-08		20,000		10,000		10,000	15,000				55,000
Cemetery Expansion/Improvements	14-PW-04	10,000		50,000								60,000
Sewer Expansion-Cheney Lane/ Main & Hemlock Point	14-PW-06						4,000,000					4,000,000
Sewer Expansion-Upper Oak Grove	14-PW-07							500,000				500,000
WPCA Plant Modifications or Windham Connection	14-PW-08					8,000,000						8,000,000
Lake Management Projects	17-PW-01	75,000	75,000	75,000	75,000							300,000
Muffin Monster Cutter Exchange	21-PW-04					12,000						12,000
Additional Infiltration Basins	21-PW-06			200,000								200,000
Community Connectivity Sidewalk Extension	21-PW-07		900,000									900,000
Daly Road Safety Improvements	21-PW-09	3,000,000										3,000,000
Auger Monster	22-PW-01				110,000							110,000
Pump Replacements	22-PW-02			18,000		14,000	14,000					46,000
Additonal Backhoe	23-PW-04				180,000							180,000
WPCA Replacement Pickup Truck	23-PW-06				70,000							70,000
Avery Shores Pump Station Site Improvements	23-PW-07	15,000										15,000
Keyless Lock/Security System DPW	24-PW-01	20,000										20,000
Add Heat to DPW Buidling at CHS	24-PW-02			10,000								10,000
Staff Vehicles	24-PW-03	50,000										50,000
Depot Road Bridge Replacement	24-PW-04	791,400	6,600,000									7,391,400
Brigham Road Bridge Replacement	24-PW-05	556,650	4,643,750									5,200,400
Pedestrian Improvements	24-PW-06		498,000									498,000
Hop River Road Bridge Replacement	24-PW-07	385,000	3,800,000									4,185,000
Public Works Total		5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	5,425,000	1,833,000	1,467,000	1,472,000	280,000	45,918,800
Bonding						6,000,000	4,000,000	500,000				10,500,000
Capital NonRecurring Fund		50,000										50,000
Cemetery Fund		5,000										5,000
General Fund		385,000	445,000	431,500	645,000	710,000	830,000	710,000	1,200,000	1,200,000		6,556,500
Lease Purchase		235,000	495,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,820,000
LOCIP			43,500	60,000	50,000	55,000	30,000	70,000				308,500
Miscellaneous Highway Fund		16,000										16,000

Department	Project #	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
<i>Sewer Fund</i>		15,000		218,000	180,000	26,000	14,000					453,000
<i>State/Federal Grant/Loan</i>		5,028,050	16,731,750	290,000	290,000	2,290,000	290,000	290,000				25,209,800
	<i>Public Works Total</i>	5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	5,425,000	1,833,000	1,467,000	1,472,000	280,000	45,918,800
	Grand Total	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 33

CATEGORY SUMMARY

Category	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Buildings	35,000	666,000	6,135,000	121,000	10,095,000						17,052,000
Buildings - Additions	35,000			2,000,000							2,035,000
Buildings - Asbestos		35,000	250,000								285,000
Buildings - HVAC & Electrical	4,000,000		10,000								4,010,000
Buildings - Roof					30,000			2,000,000			2,030,000
Equipment	129,000	109,000	265,500	113,500	177,500	118,000	134,000	136,500	148,500	58,000	1,389,500
Equipment - Computers/software	139,000	245,000	296,000	297,000	297,000	297,000	297,000	100,000	100,000	105,000	2,173,000
Equipment - Ground Maintenance	16,000		16,500								32,500
Equipment - Highway Equip		150,000									150,000
Equipment - Office	55,000	114,000	60,000	45,000	95,000	45,000	45,000	45,000			504,000
Improvements - Not Building		35,000		20,000							55,000
Infrastructure	30,000	970,000	100,000	195,000	200,000	210,000	215,000	200,000	200,000	200,000	2,520,000
Infrastructure - Asphalt Roadway			43,000								43,000
Infrastructure - Bridges	1,733,050	15,043,750									16,776,800
Infrastructure - Culverts major		13,500	20,000	20,000	20,000	20,000	20,000				113,500
Infrastructure - Surface Treated			350,000								350,000
Infrastructure - Traffic Signals		498,000									498,000
Land	15,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	255,000
Land - Grounds Improvements	25,000		70,000	30,000							125,000
Land - Paved Improvements		15,000			50,000						65,000
Park Improvements	274,200	16,500	20,000	20,000	50,000						380,700
Park: Patriots	30,000	45,000	15,000	25,000	15,000	15,000	15,000	15,000	15,000		190,000
Storm Sewer/Drainage			10,000		35,000		35,000				80,000
Street Reconstruction	3,000,000										3,000,000
Street: Summer Roads	580,000	580,000	580,000	580,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000		7,720,000

Category	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Unassigned	75,000	87,800	10,000		50,000	50,000					272,800
Vehicles - Cars & Light Trucks	50,000	175,000	70,000	190,000	35,000			70,000			590,000
Vehicles - Construction	235,000	345,000	245,000	429,000	253,000	381,000	263,000	267,000	272,000	280,000	2,970,000
Vehicles - EMS		80,000									80,000
Vehicles - Fire Trucks		75,000	537,000				500,000				1,112,000
Vehicles - police	52,000	130,000	64,000	70,000	70,000	135,000	70,000	70,000	70,000	140,000	871,000
Wastewater			218,000	110,000	8,014,000	4,014,000	500,000				12,856,000
Water	7,075,000	75,000	75,000	75,000							7,300,000
TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800

Town of Coventry, Connecticut
Capital Improvement Plan
 FY 24 thru FY 33

PROJECTS BY CATEGORY

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Buildings													
School Carpet Replacement	09-ED-14	2		30,000									30,000
Town Hall Renovations	09-GA-09	1			10,000		60,000						70,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000							72,000
Police Station Updates	19-PS-06	3	15,000					35,000					50,000
Relocate High School Weight Room	20-ED-05	1		450,000									450,000
New Community Center	23-CR-02	2				60,000	10,000,000						10,060,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000							75,000
Portico Repairs	24-CR-03	2			75,000								75,000
District Wide Window Replacement	24-ED-04	3		150,000	6,000,000								6,150,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000										20,000
Buildings Total			35,000	666,000	6,135,000	121,000	10,095,000						17,052,000
Buildings - Additions													
Meeting Room Addition	09-GA-08	3				2,000,000							2,000,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000										35,000
Buildings - Additions Total			35,000			2,000,000							2,035,000
Buildings - Asbestos													
CHS Asbestos Removal	24-ED-05	4		35,000	250,000								285,000
Buildings - Asbestos Total				35,000	250,000								285,000
Buildings - HVAC & Electrical													
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000										4,000,000
Add Heat to DPW Building at CHS	24-PW-02	3			10,000								10,000
Buildings - HVAC & Electrical Total			4,000,000		10,000								4,010,000

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Buildings - Roof													
District Wide Roof Replacement	24-ED-03	2								2,000,000			2,000,000
Re-roofing senior center	24-HS-02	3					30,000						30,000
Buildings - Roof Total							30,000			2,000,000			2,030,000
Equipment													
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	30,000	30,000	32,500	32,500		257,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	232,000
School Custodial Equipment	14-ED-03	3			25,000								25,000
CHS Lecture Hall Seating	14-ED-09	3			70,000								70,000
Replacement Lockers - CNH	21-ED-05	3			65,000								65,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	24,000	30,000	30,000	32,000	34,000	258,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000						12,000
Lucas Device	22-PS-03	3					50,000						50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	40,000	50,000	50,000	60,000		400,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000										20,000
Equipment Total			129,000	109,000	265,500	113,500	177,500	118,000	134,000	136,500	148,500	58,000	1,389,500
Equipment - Computers/software													
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	495,000
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	55,000	478,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	200,000	200,000				1,200,000
Equipment - Computers/software Total			139,000	245,000	296,000	297,000	297,000	297,000	297,000	100,000	100,000	105,000	2,173,000
Equipment - Ground Maintenance													
Mowers (fine cut)	09-PW-16	2	16,000		16,500								32,500
Equipment - Ground Maintenance Total			16,000		16,500								32,500
Equipment - Highway Equip													
Tri-axle Dump Truck	13-PW-07	3		150,000									150,000
Equipment - Highway Equip Total				150,000									150,000

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Equipment - Office													
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000			360,000
Fireproof File Cabinets	20-ED-04	3					50,000						50,000
Electronic Document Management System	22-GA-03	2	10,000										10,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000									15,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000								30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000									39,000
Equipment - Office Total			55,000	114,000	60,000	45,000	95,000	45,000	45,000	45,000			504,000
Improvements - Not Building													
Open Space Stewardship	13-PW-05	3		10,000		20,000							30,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000									25,000
Improvements - Not Building Total				35,000		20,000							55,000
Infrastructure													
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,545,000
Guardrail	13-PW-08	3		20,000		10,000		10,000	15,000				55,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000							20,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000									900,000
Infrastructure Total			30,000	970,000	100,000	195,000	200,000	210,000	215,000	200,000	200,000	200,000	2,520,000
Infrastructure - Asphalt Roadway													
Crack Sealing of School Parking Lots	18-ED-01	2			43,000								43,000
Infrastructure - Asphalt Roadway Total					43,000								43,000
Infrastructure - Bridges													
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000									7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750									5,200,400
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000									4,185,000
Infrastructure - Bridges Total			1,733,050	15,043,750									16,776,800
Infrastructure - Culverts major													
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	20,000	20,000				113,500

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Infrastructure - Culverts major Total				13,500	20,000	20,000	20,000	20,000	20,000				113,500
Infrastructure - Surface Treated													
GHR Parking Lot Replacement	18-ED-07	3			350,000								350,000
Infrastructure - Surface Treated Total					350,000								350,000
Infrastructure - Traffic Signals													
Pedestrian Improvements	24-PW-06	2		498,000									498,000
Infrastructure - Traffic Signals Total				498,000									498,000
Land													
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	255,000
Land Total			15,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	255,000
Land - Grounds Improvements													
Field Irrigation	09-PW-11	4			20,000								20,000
Urban Forestry Stewardship	09-PW-19	3				30,000							30,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000								60,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000										15,000
Land - Grounds Improvements Total			25,000		70,000	30,000							125,000
Land - Paved Improvements													
Parking Lot Resurfacing	09-CR-05	3					50,000						50,000
Sidewalk Extension and Repair	11-PW-03	4		15,000									15,000
Land - Paved Improvements Total				15,000			50,000						65,000
Park Improvements													
Miller Richardson Improvements	09-CR-07	1	16,000				50,000						66,000
Laidlaw Park Improvements	09-CR-08	3	12,000										12,000
Creaser Park	09-CR-11	3			20,000	20,000							40,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500									26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000										19,000
Hop River Trail Signage	24-CR-05	3	57,200										57,200
Recreational Trails - Hunt Property	24-CR-06	3	160,000										160,000

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Park Improvements Total			274,200	16,500	20,000	20,000	50,000						380,700
Park: Patriots													
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	15,000	15,000	15,000	15,000		190,000
Park: Patriots Total			30,000	45,000	15,000	25,000	15,000	15,000	15,000	15,000	15,000		190,000
Storm Sewer/Drainage													
Large Drainage Projects	09-PW-07	3			10,000		35,000		35,000				80,000
Storm Sewer/Drainage Total					10,000		35,000		35,000				80,000
Street Reconstruction													
Daly Road Safety Improvements	21-PW-09	2	3,000,000										3,000,000
Street Reconstruction Total			3,000,000										3,000,000
Street: Summer Roads													
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000		7,720,000
Street: Summer Roads Total			580,000	580,000	580,000	580,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000		7,720,000
Unassigned													
Revaluation	09-GA-02	1	65,000	77,800			50,000	50,000					242,800
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000								30,000
Unassigned Total			75,000	87,800	10,000		50,000	50,000					272,800
Vehicles - Cars & Light Trucks													
Elderly Van Replacement	09-HS-01	3		60,000						70,000			130,000
Pick-up Trucks	09-PW-15	3		65,000		70,000							135,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000						135,000
PSS Van Replacement	18-ED-06	2			70,000								70,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000							70,000
Staff Vehicles	24-PW-03	2	50,000										50,000
Vehicles - Cars & Light Trucks Total			50,000	175,000	70,000	190,000	35,000			70,000			590,000

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Vehicles - Construction													
Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	261,000	263,000	267,000	272,000	280,000	2,565,000
Small Dump Trucks	09-PW-14	2		105,000				120,000					225,000
Additional Backhoe	23-PW-04	3				180,000							180,000
Vehicles - Construction Total			235,000	345,000	245,000	429,000	253,000	381,000	263,000	267,000	272,000	280,000	2,970,000
Vehicles - EMS													
Service Truck Replacements	19-PS-03	2		80,000									80,000
Vehicles - EMS Total				80,000									80,000
Vehicles - Fire Trucks													
Ambulance Replacement	18-PS-01	1			462,000				500,000				962,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000								150,000
Vehicles - Fire Trucks Total				75,000	537,000				500,000				1,112,000
Vehicles - police													
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	135,000	70,000	70,000	70,000	140,000	871,000
Vehicles - police Total			52,000	130,000	64,000	70,000	70,000	135,000	70,000	70,000	70,000	140,000	871,000
Wastewater													
Sewer Expansion-Cheney Lane/ Main & Hemlock Point	14-PW-06	2						4,000,000					4,000,000
Sewer Expansion-Upper Oak Grove	14-PW-07	3							500,000				500,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000						8,000,000
Additional Infiltration Basins	21-PW-06	2			200,000								200,000
Auger Monster	22-PW-01	2				110,000							110,000
Pump Replacements	22-PW-02	3			18,000		14,000	14,000					46,000
Wastewater Total					218,000	110,000	8,014,000	4,014,000	500,000				12,856,000
Water													
Public Water Supply and Fire Suppression.	14-GA-02	1	7,000,000										7,000,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000							300,000

Category	#	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	Total
Water Total			7,075,000	75,000	75,000	75,000							7,300,000
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	6,310,000	3,119,000	4,133,500	2,035,500	813,000	87,884,800

CAPITAL IMPROVEMENT FUND

APPENDIX

- ~~ Projects by Year & Priority
- ~~ Projects by Department & Expenditure Type
- ~~ Expenditure Type Summary by Department
- ~~ Projects by Department
- ~~ Projects by Category
- ~~ Projects by Category & Department
- ~~ Category Summary by Department

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY YEAR & PRIORITY

Project Name	Department	Project #	Priority	Project Cost
FY 24				
Priority 1 Critical				
Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	16,000
Lisicke Beach Improvements	Culture & Recreation	24-CR-01	1	10,000
Network Upgrades	Education	09-ED-01	1	45,000
District-wide HVAC Replacement and Upgrade	Education	24-ED-02	1	4,000,000
Information Technology	General Administration	09-GA-01	1	44,000
Revaluation	General Administration	09-GA-02	1	65,000
Public Water Supply and Fire Suppression.	General Administration	14-GA-02	1	7,000,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	52,000
Large Dump Replacement	Public Works	09-PW-01	1	235,000
Summer Roads	Public Works	09-PW-06	1	580,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
Hop River Road Bridge Replacement	Public Works	24-PW-07	1	385,000
<i>Total for: Priority 1</i>				12,507,000
Priority 2 Very Important				
CNREF FUND	CNREF	12-GA-01	2	20,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	30,000
Classroom Furniture	Education	09-ED-11	2	45,000
Classroom technology	Education	23-ED-02	2	50,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	15,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Electronic Document Management System	General Administration	22-GA-03	2	10,000
Senior Center Commercial Kitchen	Human Services	24-HS-01	2	35,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	25,000
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Hose and Equipment	Public Safety	21-PS-06	2	20,000
Mowers (fine cut)	Public Works	09-PW-16	2	16,000
Daly Road Safety Improvements	Public Works	21-PW-09	2	3,000,000
Keyless Lock/Security System DPW	Public Works	24-PW-01	2	20,000
Staff Vehicles	Public Works	24-PW-03	2	50,000
Depot Road Bridge Replacement	Public Works	24-PW-04	2	791,400
Brigham Road Bridge Replacement	Public Works	24-PW-05	2	556,650
<i>Total for: Priority 2</i>				4,718,050
Priority 3 Important				
Laidlaw Park Improvements	Culture & Recreation	09-CR-08	3	12,000
Pickle Ball court repair at CHS	Culture & Recreation	24-CR-02	3	19,000
Hop River Trail Signage	Culture & Recreation	24-CR-05	3	57,200
Recreational Trails - Hunt Property	Culture & Recreation	24-CR-06	3	160,000
Kitchen Equipment Conversion/Replacement to Gas	Education	24-ED-06	3	20,000
Police Station Updates	Public Safety	19-PS-06	3	15,000
Fire Pond Maintenance and Creation	Public Safety	20-PS-04	3	10,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	10,000

Project Name	Department	Project #	Priority	Project Cost
<i>Total for: Priority 3</i>				343,200
Priority 4 Less Important				
Avery Shores Pump Station Site Improvements	Public Works	23-PW-07	4	15,000
<i>Total for: Priority 4</i>				15,000
Total for FY 24				17,583,250

FY 25

Priority 1 Critical

Lisicke Beach Improvements	Culture & Recreation	24-CR-01	1	16,500
Network Upgrades	Education	09-ED-01	1	50,000
Relocate High School Weight Room	Education	20-ED-05	1	450,000
Information Technology	General Administration	09-GA-01	1	45,000
Revaluation	General Administration	09-GA-02	1	77,800
Police Vehicle Replacements	Public Safety	09-PS-01	1	130,000
Large Dump Replacement	Public Works	09-PW-01	1	240,000
Summer Roads	Public Works	09-PW-06	1	580,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
Hop River Road Bridge Replacement	Public Works	24-PW-07	1	3,800,000
<i>Total for: Priority 1</i>				5,464,300

Priority 2 Very Important

CNREF FUND	CNREF	12-GA-01	2	50,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	45,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Carpet Replacement	Education	09-ED-14	2	30,000
Classroom technology	Education	23-ED-02	2	150,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	25,000
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Service Truck Replacements	Public Safety	19-PS-03	2	80,000
Hose and Equipment	Public Safety	21-PS-06	2	20,000
Training Room Improvement/Equipment	Public Safety	24-PS-01	2	15,000
SCBA PPE Multi-Washer	Public Safety	24-PS-02	2	39,000
Small Dump Trucks	Public Works	09-PW-14	2	105,000
Community Connectivity Sidewalk Extension	Public Works	21-PW-07	2	900,000
Depot Road Bridge Replacement	Public Works	24-PW-04	2	6,600,000
Brigham Road Bridge Replacement	Public Works	24-PW-05	2	4,643,750
Pedestrian Improvements	Public Works	24-PW-06	2	498,000
<i>Total for: Priority 2</i>				13,304,750

Priority 3 Important

Furnishing Replacement and Additional Shelving	Culture & Recreation	23-CR-01	3	15,000
School Maintenance Vehicles	Education	14-ED-05	3	50,000
School Wood Floor Refinishing	Education	14-ED-06	3	36,000
CGS Perimeter Sidewalk Replacement	Education	24-ED-01	3	25,000
District Wide Window Replacement	Education	24-ED-04	3	150,000
Elderly Van Replacement	Human Services	09-HS-01	3	60,000
Engine Tanker Refurbishment	Public Safety	19-PS-05	3	75,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Small Bridge and Culverts	Public Works	09-PW-09	3	13,500
Pick-up Trucks	Public Works	09-PW-15	3	65,000
Open Space Stewardship	Public Works	13-PW-05	3	10,000

Project Name	Department	Project #	Priority	Project Cost
Tri-axle Dump Truck	Public Works	13-PW-07	3	150,000
Guardrail	Public Works	13-PW-08	3	20,000
<i>Total for: Priority 3</i>				709,500
<i>Priority 4 Less Important</i>				
CHS Asbestos Removal	Education	24-ED-05	4	35,000
Sidewalk Extension and Repair	Public Works	11-PW-03	4	15,000
<i>Total for: Priority 4</i>				50,000
Total for FY 25				19,528,550

FY 26

Priority 1 Critical

Network Upgrades	Education	09-ED-01	1	50,000
Information Technology	General Administration	09-GA-01	1	46,000
Town Hall Renovations	General Administration	09-GA-09	1	10,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	64,000
Ambulance Replacement	Public Safety	18-PS-01	1	462,000
Large Dump Replacement	Public Works	09-PW-01	1	245,000
Summer Roads	Public Works	09-PW-06	1	580,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
<i>Total for: Priority 1</i>				1,532,000

Priority 2 Very Important

CNREF FUND	CNREF	12-GA-01	2	100,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
Portico Repairs	Culture & Recreation	24-CR-03	2	75,000
Classroom Furniture	Education	09-ED-11	2	45,000
Crack Sealing of School Parking Lots	Education	18-ED-01	2	43,000
PSS Van Replacement	Education	18-ED-06	2	70,000
Classroom technology	Education	23-ED-02	2	200,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	27,500
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	16,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Training Room Improvement/Equipment	Public Safety	24-PS-01	2	15,000
Mowers (fine cut)	Public Works	09-PW-16	2	16,500
Additional Infiltration Basins	Public Works	21-PW-06	2	200,000
<i>Total for: Priority 2</i>				880,000

Priority 3 Important

Creaser Park	Culture & Recreation	09-CR-11	3	20,000
School Custodial Equipment	Education	14-ED-03	3	25,000
CHS Lecture Hall Seating	Education	14-ED-09	3	70,000
GHR Parking Lot Replacement	Education	18-ED-07	3	350,000
Replacement Lockers - CNH	Education	21-ED-05	3	65,000
Fire Tank Repair and Inspection	Education	23-ED-01	3	50,000
District Wide Window Replacement	Education	24-ED-04	3	6,000,000
Engine Tanker Refurbishment	Public Safety	19-PS-05	3	75,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Large Drainage Projects	Public Works	09-PW-07	3	10,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	50,000
Pump Replacements	Public Works	22-PW-02	3	18,000

Project Name	Department	Project #	Priority	Project Cost
Add Heat to DPW Buidling at CHS	Public Works	24-PW-02	3	10,000
<i>Total for: Priority 3</i>				6,803,000
Priority 4 Less Important				
CHS Asbestos Removal	Education	24-ED-05	4	250,000
Field Irrigation	Public Works	09-PW-11	4	20,000
<i>Total for: Priority 4</i>				270,000
Total for FY 26				9,485,000

FY 27

Priority 1 Critical

Network Upgrades	Education	09-ED-01	1	50,000
Information Technology	General Administration	09-GA-01	1	47,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	70,000
Large Dump Replacement	Public Works	09-PW-01	1	249,000
Summer Roads	Public Works	09-PW-06	1	580,000
Lake Management Projects	Public Works	17-PW-01	1	75,000
<i>Total for: Priority 1</i>				1,071,000

Priority 2 Very Important

CNREF FUND	CNREF	12-GA-01	2	175,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	25,000
New Community Center	Culture & Recreation	23-CR-02	2	60,000
Classroom Furniture	Education	09-ED-11	2	45,000
Classroom technology	Education	23-ED-02	2	200,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	27,500
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Auger Monster	Public Works	22-PW-01	2	110,000
<i>Total for: Priority 2</i>				713,500

Priority 3 Important

Creaser Park	Culture & Recreation	09-CR-11	3	20,000
School Maintenance Vehicles	Education	14-ED-05	3	50,000
School Wood Floor Refinishing	Education	14-ED-06	3	36,000
Fire Tank Repair and Inspection	Education	23-ED-01	3	25,000
Meeting Room Addition	General Administration	09-GA-08	3	2,000,000
Fire Pond Maintenance and Creation	Public Safety	20-PS-04	3	10,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Pick-up Trucks	Public Works	09-PW-15	3	70,000
Urban Forestry Stewardship	Public Works	09-PW-19	3	30,000
Open Space Stewardship	Public Works	13-PW-05	3	20,000
Guardrail	Public Works	13-PW-08	3	10,000
Additonal Backhoe	Public Works	23-PW-04	3	180,000
WPCA Replacement Pickup Truck	Public Works	23-PW-06	3	70,000
<i>Total for: Priority 3</i>				2,581,000

Total for FY 27

4,365,500

FY 28

Priority 1 Critical

Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	50,000
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Project Name	Department	Project #	Priority	Project Cost
Network Upgrades	Education	09-ED-01	1	50,000
Information Technology	General Administration	09-GA-01	1	47,000
Revaluation	General Administration	09-GA-02	1	50,000
Town Hall Renovations	General Administration	09-GA-09	1	60,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	70,000
Large Dump Replacement	Public Works	09-PW-01	1	253,000
Summer Roads	Public Works	09-PW-06	1	1,000,000
<i>Total for: Priority 1</i>				1,580,000
<i>Priority 2 Very Important</i>				
CNREF FUND	CNREF	12-GA-01	2	200,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
New Community Center	Culture & Recreation	23-CR-02	2	10,000,000
Classroom Furniture	Education	09-ED-11	2	45,000
Classroom technology	Education	23-ED-02	2	200,000
Open Space Acquisition/Capital Maintenance	General Administration	09-GA-05	2	25,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	27,500
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Hose and Equipment	Public Safety	21-PS-06	2	24,000
<i>Total for: Priority 2</i>				10,560,500
<i>Priority 3 Important</i>				
Parking Lot Resurfacing	Culture & Recreation	09-CR-05	3	50,000
School Maintenance Vehicles	Education	14-ED-05	3	35,000
Fireproof File Cabinets	Education	20-ED-04	3	50,000
Re-roofing senior center	Human Services	24-HS-02	3	30,000
Police Station Updates	Public Safety	19-PS-06	3	35,000
Lucas Device	Public Safety	22-PS-03	3	50,000
Special Operations Equipment	Public Safety	23-PS-01	3	40,000
Large Drainage Projects	Public Works	09-PW-07	3	35,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Muffin Monster Cutter Exchange	Public Works	21-PW-04	3	12,000
Pump Replacements	Public Works	22-PW-02	3	14,000
<i>Total for: Priority 3</i>				371,000
<i>Priority 5 Future Consideration</i>				
WPCA Plant Modifications or Windham Connection	Public Works	14-PW-08	5	8,000,000
<i>Total for: Priority 5</i>				8,000,000
Total for FY 28				20,511,500
GRAND TOTAL				71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY DEPARTMENT AND EXPENDITURE TYPE

Expenditure Type

<i>Department</i>	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total			
Planning/Design											
<u>Culture & Recreation</u>											
New Community Center	23-CR-02	2				60,000		60,000			
<i>Culture & Recreation Total</i>						60,000		60,000			
<u>Education</u>											
District Wide Window Replacement	24-ED-04	3		150,000				150,000			
CHS Asbestos Removal	24-ED-05	4		35,000				35,000			
<i>Education Total</i>						185,000		185,000			
<u>Public Works</u>											
Depot Road Bridge Replacement	24-PW-04	2	791,400					791,400			
Brigham Road Bridge Replacement	24-PW-05	2	556,650					556,650			
Hop River Road Bridge Replacement	24-PW-07	1	385,000					385,000			
<i>Public Works Total</i>						1,733,050		1,733,050			
<i>Planning/Design Total</i>						1,733,050	185,000	60,000	1,978,050		
Land Acquisition											
<u>General Administration</u>											
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000			
<i>General Administration Total</i>						15,000	25,000	25,000	25,000	115,000	
<i>Land Acquisition Total</i>						15,000	25,000	25,000	25,000	115,000	
Construction/Maintenance											
<u>Culture & Recreation</u>											
Parking Lot Resurfacing	09-CR-05	3					50,000	50,000			
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	130,000			
Miller Richardson Improvements	09-CR-07	1	16,000				50,000	66,000			
Laidlaw Park Improvements	09-CR-08	3	12,000					12,000			
Creaser Park	09-CR-11	3			20,000	20,000		40,000			
New Community Center	23-CR-02	2					10,000,000	10,000,000			
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500				26,500			
Pickle Ball court repair at CHS	24-CR-02	3	19,000					19,000			
Portico Repairs	24-CR-03	2			75,000			75,000			
Hop River Trail Signage	24-CR-05	3	57,200					57,200			
Recreational Trails - Hunt Property	24-CR-06	3	160,000					160,000			
<i>Culture & Recreation Total</i>						304,200	61,500	110,000	45,000	10,115,000	10,635,700

Expenditure Type

<i>Department</i>	<i>Project #</i>	<i>Priority</i>	<i>FY 24</i>	<i>FY 25</i>	<i>FY 26</i>	<i>FY 27</i>	<i>FY 28</i>	<i>Total</i>
<u>Education</u>								
School Carpet Replacement	09-ED-14	2		30,000				30,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000		72,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000			43,000
GHR Parking Lot Replacement	18-ED-07	3			350,000			350,000
Relocate High School Weight Room	20-ED-05	1		450,000				450,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000		75,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000				25,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000					4,000,000
District Wide Window Replacement	24-ED-04	3			6,000,000			6,000,000
CHS Asbestos Removal	24-ED-05	4			250,000			250,000
<i>Education Total</i>			4,000,000	541,000	6,693,000	61,000		11,295,000
<u>General Administration</u>								
Meeting Room Addition	09-GA-08	3				2,000,000		2,000,000
Town Hall Renovations	09-GA-09	1			10,000		60,000	70,000
Public Water Supply and Fire Suppression.	14-GA-02	1	7,000,000					7,000,000
<i>General Administration Total</i>			7,000,000		10,000	2,000,000	60,000	9,070,000
<u>Human Services</u>								
Re-roofing senior center	24-HS-02	3					30,000	30,000
<i>Human Services Total</i>							30,000	30,000
<u>Public Safety</u>								
Police Station Updates	19-PS-06	3	15,000				35,000	50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000		20,000
<i>Public Safety Total</i>			25,000			10,000	35,000	70,000
<u>Public Works</u>								
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Large Drainage Projects	09-PW-07	3			10,000		35,000	45,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	73,500
Field Irrigation	09-PW-11	4			20,000			20,000
Urban Forestry Stewardship	09-PW-19	3				30,000		30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Open Space Stewardship	13-PW-05	3		10,000		20,000		30,000
Guardrail	13-PW-08	3		20,000		10,000		30,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000			60,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000	8,000,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000		300,000
Additional Infiltration Basins	21-PW-06	2			200,000			200,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000				900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000					3,000,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000					15,000
Depot Road Bridge Replacement	24-PW-04	2		6,600,000				6,600,000
Brigham Road Bridge Replacement	24-PW-05	2		4,643,750				4,643,750
Pedestrian Improvements	24-PW-06	2		498,000				498,000
Hop River Road Bridge Replacement	24-PW-07	1		3,800,000				3,800,000
<i>Public Works Total</i>			3,680,000	17,155,250	955,000	735,000	9,055,000	31,580,250

Expenditure Type

<i>Department</i>	<i>Project #</i>	<i>Priority</i>	<i>FY 24</i>	<i>FY 25</i>	<i>FY 26</i>	<i>FY 27</i>	<i>FY 28</i>	<i>Total</i>
Construction/Maintenance Total			15,009,200	17,757,750	7,768,000	2,851,000	19,295,000	62,680,950
Equip/Vehicles/Furnishings								
<u>Culture & Recreation</u>								
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000				15,000
<i>Culture & Recreation Total</i>				15,000				15,000
<u>Education</u>								
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	245,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	225,000
School Custodial Equipment	14-ED-03	3			25,000			25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000	135,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
PSS Van Replacement	18-ED-06	2			70,000			70,000
Fireproof File Cabinets	20-ED-04	3					50,000	50,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	800,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000					20,000
<i>Education Total</i>			160,000	295,000	525,000	345,000	380,000	1,705,000
<u>General Administration</u>								
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	229,000
<i>General Administration Total</i>			44,000	45,000	46,000	47,000	47,000	229,000
<u>Human Services</u>								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000					35,000
<i>Human Services Total</i>			35,000	60,000				95,000
<u>Public Safety</u>								
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	386,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Ambulance Replacement	18-PS-01	1			462,000			462,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Lucas Device	22-PS-03	3					50,000	50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	200,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000				39,000
<i>Public Safety Total</i>			161,000	448,000	721,500	183,500	235,500	1,749,500
<u>Public Works</u>								
Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	1,222,000
Small Dump Trucks	09-PW-14	2		105,000				105,000
Pick-up Trucks	09-PW-15	3		65,000		70,000		135,000
Mowers (fine cut)	09-PW-16	2	16,000		16,500			32,500
Tri-axle Dump Truck	13-PW-07	3		150,000				150,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000	12,000

Expenditure Type

<i>Department</i>	<i>Project #</i>	<i>Priority</i>	<i>FY 24</i>	<i>FY 25</i>	<i>FY 26</i>	<i>FY 27</i>	<i>FY 28</i>	<i>Total</i>
Auger Monster	22-PW-01	2				110,000		110,000
Pump Replacements	22-PW-02	3			18,000		14,000	32,000
Additonal Backhoe	23-PW-04	3				180,000		180,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000		70,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000					20,000
Add Heat to DPW Buidling at CHS	24-PW-02	3			10,000			10,000
Staff Vehicles	24-PW-03	2	50,000					50,000
Public Works Total			321,000	560,000	289,500	679,000	279,000	2,128,500
Equip/Vehicles/Furnishings Total			721,000	1,423,000	1,582,000	1,254,500	941,500	5,922,000
Other								
<u>CNREF</u>								
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	545,000
CNREF Total			20,000	50,000	100,000	175,000	200,000	545,000
<u>General Administration</u>								
Revaluation	09-GA-02	1	65,000	77,800			50,000	192,800
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000			30,000
Electronic Document Management System	22-GA-03	2	10,000					10,000
General Administration Total			85,000	87,800	10,000		50,000	232,800
Other Total			105,000	137,800	110,000	175,000	250,000	777,800
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY DEPARTMENT

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CNREF								
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	545,000
CNREF Total			20,000	50,000	100,000	175,000	200,000	545,000
Culture & Recreation								
Parking Lot Resurfacing	09-CR-05	3					50,000	50,000
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	130,000
Miller Richardson Improvements	09-CR-07	1	16,000				50,000	66,000
Laidlaw Park Improvements	09-CR-08	3	12,000					12,000
Creaser Park	09-CR-11	3			20,000	20,000		40,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000				15,000
New Community Center	23-CR-02	2				60,000	10,000,000	10,060,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500				26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000					19,000
Portico Repairs	24-CR-03	2			75,000			75,000
Hop River Trail Signage	24-CR-05	3	57,200					57,200
Recreational Trails - Hunt Property	24-CR-06	3	160,000					160,000
Culture & Recreation Total			304,200	76,500	110,000	105,000	10,115,000	10,710,700
Education								
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	245,000
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	225,000
School Carpet Replacement	09-ED-14	2		30,000				30,000
School Custodial Equipment	14-ED-03	3			25,000			25,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000	135,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000		72,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Crack Sealing of School Parking Lots	18-ED-01	2			43,000			43,000
PSS Van Replacement	18-ED-06	2			70,000			70,000
GHR Parking Lot Replacement	18-ED-07	3			350,000			350,000
Fireproof File Cabinets	20-ED-04	3					50,000	50,000
Relocate High School Weight Room	20-ED-05	1		450,000				450,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000		75,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	800,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000				25,000
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000					4,000,000
District Wide Window Replacement	24-ED-04	3		150,000	6,000,000			6,150,000
CHS Asbestos Removal	24-ED-05	4		35,000	250,000			285,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000					20,000
Education Total			4,160,000	1,021,000	7,218,000	406,000	380,000	13,185,000
General Administration								
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	229,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Revaluation	09-GA-02	1	65,000	77,800			50,000	192,800
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Meeting Room Addition	09-GA-08	3				2,000,000		2,000,000
Town Hall Renovations	09-GA-09	1			10,000		60,000	70,000
Public Water Supply and Fire Suppression.	14-GA-02	1	7,000,000					7,000,000
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000			30,000
Electronic Document Management System	22-GA-03	2	10,000					10,000
General Administration Total			7,144,000	157,800	91,000	2,072,000	182,000	9,646,800
Human Services								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000					35,000
Re-roofing senior center	24-HS-02	3					30,000	30,000
Human Services Total			35,000	60,000			30,000	125,000
Public Safety								
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	386,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Ambulance Replacement	18-PS-01	1			462,000			462,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Police Station Updates	19-PS-06	3	15,000				35,000	50,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000		20,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Lucas Device	22-PS-03	3					50,000	50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	200,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000				39,000
Public Safety Total			186,000	448,000	721,500	193,500	270,500	1,819,500
Public Works								
Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	1,222,000
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Large Drainage Projects	09-PW-07	3			10,000		35,000	45,000
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	73,500
Field Irrigation	09-PW-11	4			20,000			20,000
Small Dump Trucks	09-PW-14	2		105,000				105,000
Pick-up Trucks	09-PW-15	3		65,000		70,000		135,000
Mowers (fine cut)	09-PW-16	2	16,000		16,500			32,500
Urban Forestry Stewardship	09-PW-19	3				30,000		30,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Open Space Stewardship	13-PW-05	3		10,000		20,000		30,000
Tri-axle Dump Truck	13-PW-07	3		150,000				150,000
Guardrail	13-PW-08	3		20,000		10,000		30,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000			60,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000	8,000,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000		300,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000	12,000
Additional Infiltration Basins	21-PW-06	2			200,000			200,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000				900,000
Daly Road Safety Improvements	21-PW-09	2	3,000,000					3,000,000
Auger Monster	22-PW-01	2				110,000		110,000
Pump Replacements	22-PW-02	3			18,000		14,000	32,000

Department	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Additonal Backhoe	23-PW-04	3				180,000		180,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000		70,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000					15,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000					20,000
Add Heat to DPW Buidling at CHS	24-PW-02	3			10,000			10,000
Staff Vehicles	24-PW-03	2	50,000					50,000
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000				7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750				5,200,400
Pedestrian Improvements	24-PW-06	2		498,000				498,000
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000				4,185,000
Public Works Total			5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	35,441,800
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY CATEGORY

Category	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Buildings								
School Carpet Replacement	09-ED-14	2		30,000				30,000
Town Hall Renovations	09-GA-09	1			10,000		60,000	70,000
School Wood Floor Refinishing	14-ED-06	3		36,000		36,000		72,000
Police Station Updates	19-PS-06	3	15,000				35,000	50,000
Relocate High School Weight Room	20-ED-05	1		450,000				450,000
New Community Center	23-CR-02	2				60,000	10,000,000	10,060,000
Fire Tank Repair and Inspection	23-ED-01	3			50,000	25,000		75,000
Portico Repairs	24-CR-03	2			75,000			75,000
District Wide Window Replacement	24-ED-04	3		150,000	6,000,000			6,150,000
Keyless Lock/Security System DPW	24-PW-01	2	20,000					20,000
Buildings Total			35,000	666,000	6,135,000	121,000	10,095,000	17,052,000
Buildings - Additions								
Meeting Room Addition	09-GA-08	3				2,000,000		2,000,000
Senior Center Commercial Kitchen	24-HS-01	2	35,000					35,000
Buildings - Additions Total			35,000			2,000,000		2,035,000
Buildings - Asbestos								
CHS Asbestos Removal	24-ED-05	4		35,000	250,000			285,000
Buildings - Asbestos Total				35,000	250,000			285,000
Buildings - HVAC & Electrical								
District-wide HVAC Replacement and Upgrade	24-ED-02	1	4,000,000					4,000,000
Add Heat to DPW Building at CHS	24-PW-02	3			10,000			10,000
Buildings - HVAC & Electrical Total			4,000,000		10,000			4,010,000
Buildings - Roof								
Re-roofing senior center	24-HS-02	3					30,000	30,000
Buildings - Roof Total							30,000	30,000
Equipment								
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
School Custodial Equipment	14-ED-03	3			25,000			25,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Muffin Monster Cutter Exchange	21-PW-04	3					12,000	12,000
Lucas Device	22-PS-03	3					50,000	50,000
Special Operations Equipment	23-PS-01	3	40,000	40,000	40,000	40,000	40,000	200,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	3	20,000					20,000

Category	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Equipment Total			129,000	109,000	265,500	113,500	177,500	794,500
Equipment - Computers/software								
Network Upgrades	09-ED-01	1	45,000	50,000	50,000	50,000	50,000	245,000
Information Technology	09-GA-01	1	44,000	45,000	46,000	47,000	47,000	229,000
Classroom technology	23-ED-02	2	50,000	150,000	200,000	200,000	200,000	800,000
Equipment - Computers/software Total			139,000	245,000	296,000	297,000	297,000	1,274,000
Equipment - Ground Maintenance								
Mowers (fine cut)	09-PW-16	2	16,000		16,500			32,500
Equipment - Ground Maintenance Total			16,000		16,500			32,500
Equipment - Highway Equip								
Tri-axle Dump Truck	13-PW-07	3		150,000				150,000
Equipment - Highway Equip Total				150,000				150,000
Equipment - Office								
Classroom Furniture	09-ED-11	2	45,000	45,000	45,000	45,000	45,000	225,000
Fireproof File Cabinets	20-ED-04	3					50,000	50,000
Electronic Document Management System	22-GA-03	2	10,000					10,000
Furnishing Replacement and Additional Shelving	23-CR-01	3		15,000				15,000
Training Room Improvement/Equipment	24-PS-01	2		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02	2		39,000				39,000
Equipment - Office Total			55,000	114,000	60,000	45,000	95,000	369,000
Improvements - Not Building								
Open Space Stewardship	13-PW-05	3		10,000		20,000		30,000
CGS Perimeter Sidewalk Replacement	24-ED-01	3		25,000				25,000
Improvements - Not Building Total				35,000		20,000		55,000
Infrastructure								
CNREF FUND	12-GA-01	2	20,000	50,000	100,000	175,000	200,000	545,000
Guardrail	13-PW-08	3		20,000		10,000		30,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000			10,000		20,000
Community Connectivity Sidewalk Extension	21-PW-07	2		900,000				900,000
Infrastructure Total			30,000	970,000	100,000	195,000	200,000	1,495,000
Infrastructure - Asphalt Roadway								
Crack Sealing of School Parking Lots	18-ED-01	2			43,000			43,000
Infrastructure - Asphalt Roadway Total					43,000			43,000
Infrastructure - Bridges								
Depot Road Bridge Replacement	24-PW-04	2	791,400	6,600,000				7,391,400
Brigham Road Bridge Replacement	24-PW-05	2	556,650	4,643,750				5,200,400
Hop River Road Bridge Replacement	24-PW-07	1	385,000	3,800,000				4,185,000
Infrastructure - Bridges Total			1,733,050	15,043,750				16,776,800

Category	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Infrastructure - Culverts major								
Small Bridge and Culverts	09-PW-09	3		13,500	20,000	20,000	20,000	73,500
Infrastructure - Culverts major Total				13,500	20,000	20,000	20,000	73,500
Infrastructure - Surface Treated								
GHR Parking Lot Replacement	18-ED-07	3			350,000			350,000
Infrastructure - Surface Treated Total					350,000			350,000
Infrastructure - Traffic Signals								
Pedestrian Improvements	24-PW-06	2		498,000				498,000
Infrastructure - Traffic Signals Total				498,000				498,000
Land								
Open Space Acquisition/Capital Maintenance	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Land Total			15,000	25,000	25,000	25,000	25,000	115,000
Land - Grounds Improvements								
Field Irrigation	09-PW-11	4			20,000			20,000
Urban Forestry Stewardship	09-PW-19	3				30,000		30,000
Cemetery Expansion/Improvements	14-PW-04	3	10,000		50,000			60,000
Avery Shores Pump Station Site Improvements	23-PW-07	4	15,000					15,000
Land - Grounds Improvements Total			25,000		70,000	30,000		125,000
Land - Paved Improvements								
Parking Lot Resurfacing	09-CR-05	3					50,000	50,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Land - Paved Improvements Total				15,000			50,000	65,000
Park Improvements								
Miller Richardson Improvements	09-CR-07	1	16,000				50,000	66,000
Laidlaw Park Improvements	09-CR-08	3	12,000					12,000
Creaser Park	09-CR-11	3			20,000	20,000		40,000
Lisicke Beach Improvements	24-CR-01	1	10,000	16,500				26,500
Pickle Ball court repair at CHS	24-CR-02	3	19,000					19,000
Hop River Trail Signage	24-CR-05	3	57,200					57,200
Recreational Trails - Hunt Property	24-CR-06	3	160,000					160,000
Park Improvements Total			274,200	16,500	20,000	20,000	50,000	380,700
Park: Patriots								
Patriots Park Improvements	09-CR-06	2	30,000	45,000	15,000	25,000	15,000	130,000
Park: Patriots Total			30,000	45,000	15,000	25,000	15,000	130,000
Storm Sewer/Drainage								
Large Drainage Projects	09-PW-07	3			10,000		35,000	45,000
Storm Sewer/Drainage Total					10,000		35,000	45,000

Category	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Street Reconstruction								
Daly Road Safety Improvements	21-PW-09	2	3,000,000					3,000,000
Street Reconstruction Total			3,000,000					3,000,000
Street: Summer Roads								
Summer Roads	09-PW-06	1	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Street: Summer Roads Total			580,000	580,000	580,000	580,000	1,000,000	3,320,000
Unassigned								
Revaluation	09-GA-02	1	65,000	77,800			50,000	192,800
GIS Upgrades	22-GA-01	2	10,000	10,000	10,000			30,000
Unassigned Total			75,000	87,800	10,000		50,000	222,800
Vehicles - Cars & Light Trucks								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Pick-up Trucks	09-PW-15	3		65,000		70,000		135,000
School Maintenance Vehicles	14-ED-05	3		50,000		50,000	35,000	135,000
PSS Van Replacement	18-ED-06	2			70,000			70,000
WPCA Replacement Pickup Truck	23-PW-06	3				70,000		70,000
Staff Vehicles	24-PW-03	2	50,000					50,000
Vehicles - Cars & Light Trucks Total			50,000	175,000	70,000	190,000	35,000	520,000
Vehicles - Construction								
Large Dump Replacement	09-PW-01	1	235,000	240,000	245,000	249,000	253,000	1,222,000
Small Dump Trucks	09-PW-14	2		105,000				105,000
Additional Backhoe	23-PW-04	3				180,000		180,000
Vehicles - Construction Total			235,000	345,000	245,000	429,000	253,000	1,507,000
Vehicles - EMS								
Service Truck Replacements	19-PS-03	2		80,000				80,000
Vehicles - EMS Total				80,000				80,000
Vehicles - Fire Trucks								
Ambulance Replacement	18-PS-01	1			462,000			462,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Vehicles - Fire Trucks Total				75,000	537,000			612,000
Vehicles - police								
Police Vehicle Replacements	09-PS-01	1	52,000	130,000	64,000	70,000	70,000	386,000
Vehicles - police Total			52,000	130,000	64,000	70,000	70,000	386,000
Wastewater								
WPCA Plant Modifications or Windham Connection	14-PW-08	5					8,000,000	8,000,000
Additional Infiltration Basins	21-PW-06	2			200,000			200,000
Auger Monster	22-PW-01	2				110,000		110,000
Pump Replacements	22-PW-02	3			18,000		14,000	32,000
Wastewater Total					218,000	110,000	8,014,000	8,342,000

Category	Project #	Priority	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Water								
Public Water Supply and Fire Suppression.	14-GA-02	1	7,000,000					7,000,000
Lake Management Projects	17-PW-01	1	75,000	75,000	75,000	75,000		300,000
Water Total			7,075,000	75,000	75,000	75,000		7,300,000
GRAND TOTAL			17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800

Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

PROJECTS BY DEPARTMENT AND CATEGORY

Category Department		FY 24	FY 25	FY 26	FY 27	FY 28	Total
Buildings							
<u>Culture & Recreation</u>							
New Community Center	23-CR-02				60,000	10,000,000	10,060,000
Portico Repairs	24-CR-03			75,000			75,000
	Sub-Total			75,000	60,000	10,000,000	10,135,000
<u>Education</u>							
School Carpet Replacement	09-ED-14		30,000				30,000
School Wood Floor Refinishing	14-ED-06		36,000		36,000		72,000
Relocate High School Weight Room	20-ED-05		450,000				450,000
Fire Tank Repair and Inspection	23-ED-01			50,000	25,000		75,000
District Wide Window Replacement	24-ED-04		150,000	6,000,000			6,150,000
	Sub-Total		666,000	6,050,000	61,000		6,777,000
<u>General Administration</u>							
Town Hall Renovations	09-GA-09			10,000		60,000	70,000
	Sub-Total			10,000		60,000	70,000
<u>Public Safety</u>							
Police Station Updates	19-PS-06	15,000				35,000	50,000
	Sub-Total	15,000				35,000	50,000
<u>Public Works</u>							
Keyless Lock/Security System DPW	24-PW-01	20,000					20,000
	Sub-Total	20,000					20,000
	Buildings Total	35,000	666,000	6,135,000	121,000	10,095,000	17,052,000
Buildings - Additions							
<u>General Administration</u>							
Meeting Room Addition	09-GA-08				2,000,000		2,000,000
	Sub-Total				2,000,000		2,000,000
<u>Human Services</u>							
Senior Center Commercial Kitchen	24-HS-01	35,000					35,000
	Sub-Total	35,000					35,000
	Buildings - Additions Total	35,000			2,000,000		2,035,000
Buildings - Asbestos							
<u>Education</u>							
CHS Asbestos Removal	24-ED-05		35,000	250,000			285,000
	Sub-Total		35,000	250,000			285,000
	Buildings - Asbestos Total		35,000	250,000			285,000

Category		FY 24	FY 25	FY 26	FY 27	FY 28	Total
<i>Department</i>							
Buildings - HVAC & Electrical							
<u>Education</u>							
District-wide HVAC Replacement and Upgrade	24-ED-02	4,000,000					4,000,000
Sub-Total		4,000,000					4,000,000
<u>Public Works</u>							
Add Heat to DPW Building at CHS	24-PW-02			10,000			10,000
Sub-Total				10,000			10,000
Buildings - HVAC & Electrical Total		4,000,000		10,000			4,010,000

Buildings - Roof							
<u>Human Services</u>							
Re-roofing senior center	24-HS-02					30,000	30,000
Sub-Total						30,000	30,000
Buildings - Roof Total						30,000	30,000

Equipment							
<u>Education</u>							
School Custodial Equipment	14-ED-03			25,000			25,000
CHS Lecture Hall Seating	14-ED-09			70,000			70,000
Replacement Lockers - CNH	21-ED-05			65,000			65,000
Kitchen Equipment Conversion/Replacement to Gas	24-ED-06	20,000					20,000
Sub-Total		20,000		160,000			180,000
<u>Public Safety</u>							
Personal Protective Turn-out Gear	09-PS-04	25,000	25,000	27,500	27,500	27,500	132,500
Self Contained Breathing Apparatus	09-PS-05	24,000	24,000	16,000	24,000	24,000	112,000
Hose and Equipment	21-PS-06	20,000	20,000	22,000	22,000	24,000	108,000
Lucas Device	22-PS-03					50,000	50,000
Special Operations Equipment	23-PS-01	40,000	40,000	40,000	40,000	40,000	200,000
Sub-Total		109,000	109,000	105,500	113,500	165,500	602,500
<u>Public Works</u>							
Muffin Monster Cutter Exchange	21-PW-04					12,000	12,000
Sub-Total						12,000	12,000
Equipment Total		129,000	109,000	265,500	113,500	177,500	794,500

Equipment - Computers/software							
<u>Education</u>							
Network Upgrades	09-ED-01	45,000	50,000	50,000	50,000	50,000	245,000
Classroom technology	23-ED-02	50,000	150,000	200,000	200,000	200,000	800,000
Sub-Total		95,000	200,000	250,000	250,000	250,000	1,045,000
<u>General Administration</u>							
Information Technology	09-GA-01	44,000	45,000	46,000	47,000	47,000	229,000
Sub-Total		44,000	45,000	46,000	47,000	47,000	229,000
Equipment - Computers/software Total		139,000	245,000	296,000	297,000	297,000	1,274,000

Equipment - Ground Maintenance

Category		FY 24	FY 25	FY 26	FY 27	FY 28	Total
<i>Department</i>							
<u>Public Works</u>							
Mowers (fine cut)	09-PW-16	16,000		16,500			32,500
	<i>Sub-Total</i>	16,000		16,500			32,500
Equipment - Ground Maintenance Total		16,000		16,500			32,500
<u>Equipment - Highway Equip</u>							
<u>Public Works</u>							
Tri-axle Dump Truck	13-PW-07		150,000				150,000
	<i>Sub-Total</i>		150,000				150,000
Equipment - Highway Equip Total		150,000					150,000
<u>Equipment - Office</u>							
<u>Culture & Recreation</u>							
Furnishing Replacement and Additional Shelving	23-CR-01		15,000				15,000
	<i>Sub-Total</i>		15,000				15,000
<u>Education</u>							
Classroom Furniture	09-ED-11	45,000	45,000	45,000	45,000	45,000	225,000
Fireproof File Cabinets	20-ED-04					50,000	50,000
	<i>Sub-Total</i>	45,000	45,000	45,000	45,000	95,000	275,000
<u>General Administration</u>							
Electronic Document Management System	22-GA-03	10,000					10,000
	<i>Sub-Total</i>	10,000					10,000
<u>Public Safety</u>							
Training Room Improvement/Equipment	24-PS-01		15,000	15,000			30,000
SCBA PPE Multi-Washer	24-PS-02		39,000				39,000
	<i>Sub-Total</i>		54,000	15,000			69,000
Equipment - Office Total		55,000	114,000	60,000	45,000	95,000	369,000
<u>Improvements - Not Building</u>							
<u>Education</u>							
CGS Perimeter Sidewalk Replacement	24-ED-01		25,000				25,000
	<i>Sub-Total</i>		25,000				25,000
<u>Public Works</u>							
Open Space Stewardship	13-PW-05		10,000		20,000		30,000
	<i>Sub-Total</i>		10,000		20,000		30,000
Improvements - Not Building Total		35,000			20,000		55,000
<u>Infrastructure</u>							
<u>CNREF</u>							
CNREF FUND	12-GA-01	20,000	50,000	100,000	175,000	200,000	545,000
	<i>Sub-Total</i>	20,000	50,000	100,000	175,000	200,000	545,000
<u>Public Safety</u>							
Fire Pond Maintenance and Creation	20-PS-04	10,000			10,000		20,000
	<i>Sub-Total</i>	10,000			10,000		20,000
<u>Public Works</u>							

Category		FY 24	FY 25	FY 26	FY 27	FY 28	Total
Guardrail	13-PW-08		20,000		10,000		30,000
Community Connectivity Sidewalk Extension	21-PW-07		900,000				900,000
Sub-Total			920,000		10,000		930,000
Infrastructure Total		30,000	970,000	100,000	195,000	200,000	1,495,000

Infrastructure - Asphalt Roadway

Education

Crack Sealing of School Parking Lots	18-ED-01			43,000			43,000
Sub-Total				43,000			43,000
Infrastructure - Asphalt Roadway Total				43,000			43,000

Infrastructure - Bridges

Public Works

Depot Road Bridge Replacement	24-PW-04	791,400	6,600,000				7,391,400
Brigham Road Bridge Replacement	24-PW-05	556,650	4,643,750				5,200,400
Hop River Road Bridge Replacement	24-PW-07	385,000	3,800,000				4,185,000
Sub-Total		1,733,050	15,043,750				16,776,800
Infrastructure - Bridges Total		1,733,050	15,043,750				16,776,800

Infrastructure - Culverts major

Public Works

Small Bridge and Culverts	09-PW-09		13,500	20,000	20,000	20,000	73,500
Sub-Total			13,500	20,000	20,000	20,000	73,500
Infrastructure - Culverts major Total			13,500	20,000	20,000	20,000	73,500

Infrastructure - Surface Treated

Education

GHR Parking Lot Replacement	18-ED-07			350,000			350,000
Sub-Total				350,000			350,000
Infrastructure - Surface Treated Total				350,000			350,000

Infrastructure - Traffic Signals

Public Works

Pedestrian Improvements	24-PW-06		498,000				498,000
Sub-Total			498,000				498,000
Infrastructure - Traffic Signals Total			498,000				498,000

Land

General Administration

Open Space Acquisition/Capital Maintenance	09-GA-05	15,000	25,000	25,000	25,000	25,000	115,000
Sub-Total		15,000	25,000	25,000	25,000	25,000	115,000
Land Total		15,000	25,000	25,000	25,000	25,000	115,000

Land - Grounds Improvements

Public Works

Field Irrigation	09-PW-11			20,000			20,000
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Category		FY 24	FY 25	FY 26	FY 27	FY 28	Total
<i>Department</i>							
Urban Forestry Stewardship	09-PW-19				30,000		30,000
Cemetery Expansion/Improvements	14-PW-04	10,000		50,000			60,000
Avery Shores Pump Station Site Improvements	23-PW-07	15,000					15,000
Sub-Total		25,000		70,000	30,000		125,000
Land - Grounds Improvements Total		25,000		70,000	30,000		125,000

Land - Paved Improvements

Culture & Recreation

Parking Lot Resurfacing	09-CR-05					50,000	50,000
Sub-Total						50,000	50,000

Public Works

Sidewalk Extension and Repair	11-PW-03		15,000				15,000
Sub-Total			15,000				15,000

Land - Paved Improvements Total			15,000			50,000	65,000
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Park Improvements

Culture & Recreation

Miller Richardson Improvements	09-CR-07	16,000				50,000	66,000
Laidlaw Park Improvements	09-CR-08	12,000					12,000
Creaser Park	09-CR-11			20,000	20,000		40,000
Lisicke Beach Impovements	24-CR-01	10,000	16,500				26,500
Pickle Ball court repair at CHS	24-CR-02	19,000					19,000
Hop River Trail Signage	24-CR-05	57,200					57,200
Recreational Trails - Hunt Property	24-CR-06	160,000					160,000
Sub-Total		274,200	16,500	20,000	20,000	50,000	380,700

Park Improvements Total		274,200	16,500	20,000	20,000	50,000	380,700
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Park: Patriots

Culture & Recreation

Patriots Park Improvements	09-CR-06	30,000	45,000	15,000	25,000	15,000	130,000
Sub-Total		30,000	45,000	15,000	25,000	15,000	130,000

Park: Patriots Total		30,000	45,000	15,000	25,000	15,000	130,000
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Storm Sewer/Drainage

Public Works

Large Drainage Projects	09-PW-07			10,000		35,000	45,000
Sub-Total				10,000		35,000	45,000

Storm Sewer/Drainage Total				10,000		35,000	45,000
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Street Reconstruction

Public Works

Daly Road Safety Improvements	21-PW-09	3,000,000					3,000,000
Sub-Total		3,000,000					3,000,000

Street Reconstruction Total		3,000,000					3,000,000
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Street: Summer Roads

Category		FY 24	FY 25	FY 26	FY 27	FY 28	Total
Department							
<u>Public Works</u>							
Summer Roads	09-PW-06	580,000	580,000	580,000	580,000	1,000,000	3,320,000
	Sub-Total	580,000	580,000	580,000	580,000	1,000,000	3,320,000
	Street: Summer Roads Total	580,000	580,000	580,000	580,000	1,000,000	3,320,000

Unassigned

<u>General Administration</u>							
Revaluation	09-GA-02	65,000	77,800			50,000	192,800
GIS Upgrades	22-GA-01	10,000	10,000	10,000			30,000
	Sub-Total	75,000	87,800	10,000		50,000	222,800
	Unassigned Total	75,000	87,800	10,000		50,000	222,800

Vehicles - Cars & Light Trucks

<u>Education</u>							
School Maintenance Vehicles	14-ED-05		50,000		50,000	35,000	135,000
PSS Van Replacement	18-ED-06			70,000			70,000
	Sub-Total		50,000	70,000	50,000	35,000	205,000
<u>Human Services</u>							
Elderly Van Replacement	09-HS-01		60,000				60,000
	Sub-Total		60,000				60,000
<u>Public Works</u>							
Pick-up Trucks	09-PW-15		65,000		70,000		135,000
WPCA Replacement Pickup Truck	23-PW-06				70,000		70,000
Staff Vehicles	24-PW-03	50,000					50,000
	Sub-Total	50,000	65,000		140,000		255,000
	Vehicles - Cars & Light Trucks Total	50,000	175,000	70,000	190,000	35,000	520,000

Vehicles - Construction

<u>Public Works</u>							
Large Dump Replacement	09-PW-01	235,000	240,000	245,000	249,000	253,000	1,222,000
Small Dump Trucks	09-PW-14		105,000				105,000
Additional Backhoe	23-PW-04				180,000		180,000
	Sub-Total	235,000	345,000	245,000	429,000	253,000	1,507,000
	Vehicles - Construction Total	235,000	345,000	245,000	429,000	253,000	1,507,000

Vehicles - EMS

<u>Public Safety</u>							
Service Truck Replacements	19-PS-03		80,000				80,000
	Sub-Total		80,000				80,000
	Vehicles - EMS Total		80,000				80,000

Vehicles - Fire Trucks

<u>Public Safety</u>							
Ambulance Replacement	18-PS-01			462,000			462,000
Engine Tanker Refurbishment	19-PS-05		75,000	75,000			150,000
	Sub-Total		75,000	537,000			612,000

Category		FY 24	FY 25	FY 26	FY 27	FY 28	Total
<i>Department</i>							
Vehicles - Fire Trucks Total			75,000	537,000			612,000
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Vehicles - police							
<u>Public Safety</u>							
Police Vehicle Replacements	09-PS-01	52,000	130,000	64,000	70,000	70,000	386,000
Sub-Total		52,000	130,000	64,000	70,000	70,000	386,000
Vehicles - police Total		52,000	130,000	64,000	70,000	70,000	386,000
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Wastewater							
<u>Public Works</u>							
WPCA Plant Modifications or Windham Connection	14-PW-08					8,000,000	8,000,000
Additional Infiltration Basins	21-PW-06			200,000			200,000
Auger Monster	22-PW-01				110,000		110,000
Pump Replacements	22-PW-02			18,000		14,000	32,000
Sub-Total				218,000	110,000	8,014,000	8,342,000
Wastewater Total				218,000	110,000	8,014,000	8,342,000
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Water							
<u>General Administration</u>							
Public Water Supply and Fire Suppression.	14-GA-02	7,000,000					7,000,000
Sub-Total		7,000,000					7,000,000
<u>Public Works</u>							
Lake Management Projects	17-PW-01	75,000	75,000	75,000	75,000		300,000
Sub-Total		75,000	75,000	75,000	75,000		300,000
Water Total		7,075,000	75,000	75,000	75,000		7,300,000
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GRAND TOTAL		17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800
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Town of Coventry, Connecticut

Capital Improvement Plan

FY 24 thru FY 28

CATEGORY SUMMARY BY DEPARTMENT

Department <i>Category</i>	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CNREF						
Infrastructure	20,000	50,000	100,000	175,000	200,000	545,000
Department Total	20,000	50,000	100,000	175,000	200,000	545,000
Culture & Recreation						
Buildings			75,000	60,000	10,000,000	10,135,000
Equipment - Office		15,000				15,000
Land - Paved Improvements					50,000	50,000
Park Improvements	274,200	16,500	20,000	20,000	50,000	380,700
Park: Patriots	30,000	45,000	15,000	25,000	15,000	130,000
Department Total	304,200	76,500	110,000	105,000	10,115,000	10,710,700
Education						
Buildings		666,000	6,050,000	61,000		6,777,000
Buildings - Asbestos		35,000	250,000			285,000
Buildings - HVAC & Electrical	4,000,000					4,000,000
Buildings - Roof						
Equipment	20,000		160,000			180,000
Equipment - Computers/software	95,000	200,000	250,000	250,000	250,000	1,045,000
Equipment - Office	45,000	45,000	45,000	45,000	95,000	275,000
Improvements - Not Building		25,000				25,000
Infrastructure - Asphalt Roadway			43,000			43,000
Infrastructure - Surface Treated			350,000			350,000
Vehicles - Cars & Light Trucks		50,000	70,000	50,000	35,000	205,000
Department Total	4,160,000	1,021,000	7,218,000	406,000	380,000	13,185,000
General Administration						
Buildings			10,000		60,000	70,000
Buildings - Additions				2,000,000		2,000,000
Equipment - Computers/software	44,000	45,000	46,000	47,000	47,000	229,000
Equipment - Office	10,000					10,000
Land	15,000	25,000	25,000	25,000	25,000	115,000
Unassigned	75,000	87,800	10,000		50,000	222,800
Water	7,000,000					7,000,000
Department Total	7,144,000	157,800	91,000	2,072,000	182,000	9,646,800
Human Services						
Buildings - Additions	35,000					35,000
Buildings - Roof					30,000	30,000
Vehicles - Cars & Light Trucks		60,000				60,000

Department						
<i>Category</i>	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Department Total	35,000	60,000			30,000	125,000
Public Safety						
Buildings	15,000				35,000	50,000
Equipment	109,000	109,000	105,500	113,500	165,500	602,500
Equipment - Office		54,000	15,000			69,000
Infrastructure	10,000			10,000		20,000
Vehicles - EMS		80,000				80,000
Vehicles - Fire Trucks		75,000	537,000			612,000
Vehicles - police	52,000	130,000	64,000	70,000	70,000	386,000
Department Total	186,000	448,000	721,500	193,500	270,500	1,819,500
Public Works						
Buildings	20,000					20,000
Buildings - HVAC & Electrical			10,000			10,000
Equipment					12,000	12,000
Equipment - Ground Maintenance	16,000		16,500			32,500
Equipment - Highway Equip		150,000				150,000
Improvements - Not Building		10,000		20,000		30,000
Infrastructure		920,000		10,000		930,000
Infrastructure - Bridges	1,733,050	15,043,750				16,776,800
Infrastructure - Culverts major		13,500	20,000	20,000	20,000	73,500
Infrastructure - Traffic Signals		498,000				498,000
Land - Grounds Improvements	25,000		70,000	30,000		125,000
Land - Paved Improvements		15,000				15,000
Storm Sewer/Drainage			10,000		35,000	45,000
Street Reconstruction	3,000,000					3,000,000
Street: Summer Roads	580,000	580,000	580,000	580,000	1,000,000	3,320,000
Vehicles - Cars & Light Trucks	50,000	65,000		140,000		255,000
Vehicles - Construction	235,000	345,000	245,000	429,000	253,000	1,507,000
Wastewater			218,000	110,000	8,014,000	8,342,000
Water	75,000	75,000	75,000	75,000		300,000
Department Total	5,734,050	17,715,250	1,244,500	1,414,000	9,334,000	35,441,800
GRAND TOTAL	17,583,250	19,528,550	9,485,000	4,365,500	20,511,500	71,473,800