

Capital Improvement Budget Town of Coventry, CT



Town Manager's Proposed Budget For Fiscal Year 2022-2023 To Fiscal Year 2027-2028

Presented to the Planning & Zoning February 28, 2022

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 capital 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.22, 2021

Completed Capital Budget forms returned to Town Manager (including Board of Education) : Dec 3, 2021

Capital Budget discussion & presentation before Council: February 2022

Capital Budget forwarded to Planning & Zoning: February 14, 2022

Planning & Zoning 8-24 Review: February 21,2022

Town Manager's budget submission: March 7, 2022

Hearing Legal Notice deadline: Feb. 24, 2022

Public Budget Hearing: March 10, 2022

Council adjustment deadline April 4,2022

Town meeting Legal notice deadline: April 7, 2022

Annual Town Meeting: April 23, 2022

Adjourned Town Meeting/Referendum: May 3, 2022

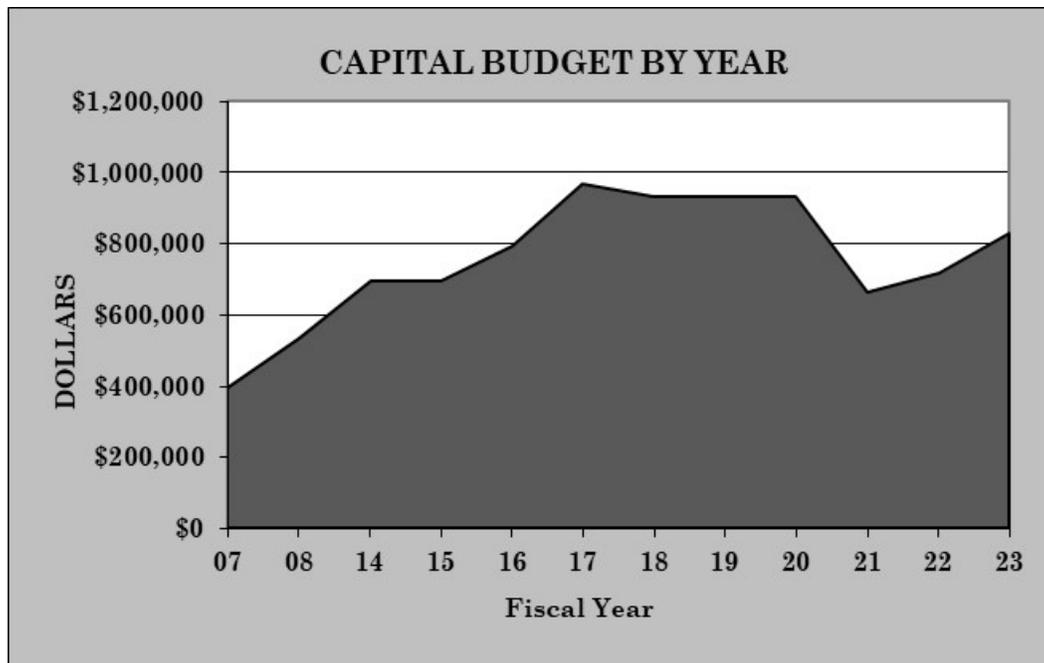
CAPITAL IMPROVEMENT PROGRAM: FY 2023-2027

PROGRAM DESCRIPTION

CAPITAL IMPROVEMENT PROGRAM BUDGET SUMMARY
FISCAL YEAR 22-23

Estimated Revenues	20/21	22/23	Change
General	\$ 720,030	\$ 828,500	\$ 108,470
Town Aid Road	300,000	300,000	-
LOCIP	100,000	100,000	-
Capital Non-Recurring Reserve	37,000	63,500	26,500
State & Federal Grants	3,360,000	1,739,500	(1,620,500)
Notes & Bonds	300,000	8,210,000	7,910,000
Other	237,000	60,000	(177,000)
Lease Purchase	658,500	95,000	(563,500)
TOTAL	\$ 5,712,530	\$ 11,396,500	\$ 5,683,970

Estimated Expenditures			
General Administration	\$ 111,000	\$ 103,000	\$ (8,000)
Public Safety	849,350	355,000	(494,350)
Public Works	4,135,180	4,750,500	615,320
Human Services	-	-	-
Culture & Recreation	457,000	193,000	(264,000)
Education	110,000	5,995,000	5,885,000
Reserve for Capital (CNREF)	50,000	-	(50,000)
TOTAL	\$ 5,712,530	\$ 11,396,500	\$ 5,683,970



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, \$828,500 is requested, an increase of \$108,470 from last year's Capital Budget. \$149,000 is proposed for the Board of Education, a \$74,000 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. Fifteen (14) projects are planned for this activity. They include:

1 Summer Road Program (partial-see also Town Aid)	\$	300,000
2 Network refresh		64,000
3 Education Computer Upgrades		50,000
4 Classroom Furniture		25,000
5 School Carpet Replacement		10,000
6 Town Hall Computer Upgrades		43,000
7 Police SUV Replacement (2)		100,500
8 SCBA Fire Paks		24,000
9 Fire Gear		25,000
10 Fire Hose/equipment		20,000
11 Open Space Fund		15,000
12 Lake Management		90,000
13 Pickup Truck Replacement		50,000
14 Replacement Dumptruck Body		12,000
TOTAL	\$	<u><u>828,500</u></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 \$300,000 in Town Aid for Roads (TAR) funds from the State. TAR funds are supplemented by \$300,000 of local funds for a total summer roads program of \$600,000.

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. Six project totaling \$100,000 has been proposed:

1	Patriots Park Improvements	\$20,000
2	Creaser Park Improvements	\$25,000
3	Fire Pond Maintenance	\$10,000
4	Guardrails	\$25,000
6	Large Drainage Projects	\$20,000
	Total	\$100,000

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. This year no contribution is proposed for this fund. Three purchases out of this fund are proposed: A small zero-radius mower (\$13,500), an infield groomer (\$25,000) and exterior work at GHR (\$25,00). 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	Lake management	\$35,000
2	American Rescue Plan Funding	\$1,704,500
	Total	\$1,739,500

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 \$8,210,000 bond proposal is recommended for the May vote. This bond includes \$3,000,000 for road repairs, \$5,000,000 for school building energy efficiency upgrades and \$210,000 for a replacement Wheelloader.

OTHER

Special project funds are established from time to time for specific projects. Several projects are envisioned this year. Verizon rental income from leases on the radio tower (\$30,000) will be used for the on-going operation of Verizon phones used by emergency responders, the Everbridge system, and vehicle location systems. Local LOCIP funds will be used to purchase picnic table and other amenities for the pavilion at Laidlaw park. The Cemetery Fund and Recreation Fund will both fund improvements of their respective locations. A power curber will be purchased for the Public Works department from our Miscellaneous Highway Fund.

1.	Laidlaw Park Improvements	Local Locip	\$10,000
2.	Tower equipment/communications	Radio Tower Fund	\$10,000
3.	Cemetery Expansion/Improvement	Cemetery Fund	\$15,000
4.	Power Curber	Misc. Highway Fund	\$25,000
	Total		\$60,000

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 five year lease purchases for a small fully equipped dump truck with a cost of \$95,000 (5 year lease for \$20,000 annually).

CAPITAL IMPROVEMENT PLAN

SUMMARY

Town of Coventry, Connecticut
Capital Improvement Plan
FY 23 thru FY 27

DEPARTMENT SUMMARY

Department	FY 23	FY 24	FY 25	FY 26	FY 27	Total
CNREF	0	75,000	100,000	150,000	175,000	<i>500,000</i>
Culture & Recreation	193,000	585,000	125,000	10,015,000	30,000	<i>10,948,000</i>
Education	5,995,000	401,000	8,005,000	552,500	342,500	<i>15,296,000</i>
General Administration	103,000	119,000	140,000	191,000	2,072,000	<i>2,625,000</i>
Human Services		60,000				<i>60,000</i>
Public Safety	355,000	311,500	265,500	496,000	143,000	<i>1,571,000</i>
Public Works	4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	<i>14,066,700</i>
TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	<i>45,066,700</i>

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

EXPENDITURE TYPE SUMMARY

Expenditure Type	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Planning/Design	25,000		60,000			85,000
Land Acquisition	15,000	25,000	25,000	25,000	25,000	115,000
Construction/Maintenance	10,340,500	4,711,000	9,050,000	11,462,500	3,067,500	38,631,500
Equip/Vehicles/Furnishings	971,000	1,373,800	1,180,500	1,215,900	719,000	5,460,200
Other	45,000	125,000	170,000	260,000	175,000	775,000
TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

CATEGORY SUMMARY

Category	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Buildings	205,500	36,000	5,415,000	10,072,500	57,500	15,786,500
Buildings - Additions					1,000,000	1,000,000
Buildings - Asbestos			250,000			250,000
Buildings - HVAC & Electrical	5,810,000		2,000,000			7,810,000
Equipment	129,000	124,000	200,500	98,500	75,500	627,500
Equipment - Computers/software	168,000	219,000	195,000	246,000	247,000	1,075,000
Equipment - Communication	10,000	10,000	10,000	10,000	10,000	50,000
Equipment - Ground Maintenance	38,500	15,000		16,500		70,000
Equipment - Highway Equip	37,000		225,000			262,000
Equipment - Office	45,000	75,000	95,000	45,000	45,000	305,000
Equipment-generators	30,000					30,000
Improvements - Not Building	500,000	10,000		10,000		520,000
Infrastructure	35,000	75,000	420,000	150,000	185,000	865,000
Infrastructure - Asphalt Roadway			20,000			20,000
Infrastructure - Culverts major		20,000	20,000	20,000	20,000	80,000
Infrastructure - Surface Treated				250,000		250,000
Land	15,000	25,000	25,000	25,000	25,000	115,000
Land - Grounds Improvements	50,000	50,000	45,000	50,000		195,000
Land - Paved Improvements		15,000				15,000
Park Improvements	78,000	520,000	20,000		15,000	633,000
Park: Patriots	20,000	35,000	45,000	15,000	15,000	130,000
Storm Sewer/Drainage	20,000			20,000		40,000
Street Reconstruction		3,000,000				3,000,000
Street: Summer Roads	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Unassigned	25,000	50,000	105,000	110,000		290,000
Vehicles - Cars & Light Trucks	50,000	170,000		57,500	40,000	317,500
Vehicles - Construction	305,000	438,300	230,000	341,900	244,000	1,559,200
Vehicles - EMS		80,000				80,000
Vehicles - Fire Trucks		75,000	75,000	325,000		475,000
Vehicles - police	100,500	57,500	115,000	57,500	57,500	388,000
Wastewater		310,000		18,000		328,000
Water	125,000	125,000	125,000	125,000	1,000,000	1,500,000
TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY YEAR

Project Name	Department	Project #	Priority	Project Cost
FY 23				
CNREF FUND	CNREF	12-GA-01	2	0
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	20,000
Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	25,000
Laidlaw Park Improvements	Culture & Recreation	09-CR-08	3	10,000
Creaser Park	Culture & Recreation	09-CR-11	3	25,000
Canoe/Kayak Launch	Culture & Recreation	11-CR-02	3	18,000
Library Renovation	Culture & Recreation	15-CR-01	2	95,000
Network Upgrades	Education	09-ED-01	1	75,000
Classroom Furniture	Education	09-ED-11	2	25,000
School Carpet Replacement	Education	09-ED-14	2	10,000
School Energy/Electrical/Security Upgrades/ADA	Education	12-ED-07	1	5,760,000
AC Replacement	Education	18-ED-09	3	50,000
GHR Exterior Work	Education	19-ED-04	2	25,000
Classroom technology	Education	23-ED-02	2	50,000
Information Technology	General Administration	09-GA-01	1	43,000
Open Space Acquisition	General Administration	09-GA-05	2	15,000
GIS Upgrades	General Administration	22-GA-01	2	25,000
Electronic Document Management System	General Administration	22-GA-03	2	20,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	100,500
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	65,000
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Police Station Updates	Public Safety	19-PS-06	3	75,500
Generator Replacement - CVFA Substation	Public Safety	20-PS-03	2	30,000
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	20,000
Summer Roads	Public Works	09-PW-06	1	3,600,000
Large Drainage Projects	Public Works	09-PW-07	3	20,000
Small Dump Trucks	Public Works	09-PW-14	2	95,000
Pick-up Trucks	Public Works	09-PW-15	3	50,000
Mowers (fine cut)	Public Works	09-PW-16	2	13,500
Urban Forestry Stewardship	Public Works	09-PW-19	3	35,000
Guardrail	Public Works	13-PW-08	3	25,000
Wheelloader	Public Works	13-PW-10	2	210,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	15,000
Lake Management Projects	Public Works	17-PW-01	1	125,000
Relocate Transfer Station	Public Works	19-PW-02	2	500,000
Power Curber	Public Works	23-PW-01	2	25,000
Ballfield Infield Groomer	Public Works	23-PW-02	1	25,000
Dump Body	Public Works	23-PW-05	1	12,000
Total for FY 23				11,396,500

FY 24

Project Name	Department	Project #	Priority	Project Cost
CNREF FUND	CNREF	12-GA-01	2	75,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	35,000
Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	500,000
Creaser Park	Culture & Recreation	09-CR-11	3	20,000
Furnishing replacement and additional shelving	Culture & Recreation	23-CR-01	3	30,000
Network Upgrades	Education	09-ED-01	1	75,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Maintenance Vehicles	Education	14-ED-05	3	40,000
School Wood Floor Refinishing	Education	14-ED-06	3	36,000
Kitchen Equipment Upgrades	Education	16-ED-02	2	35,000
PSS Van Replacement	Education	18-ED-06	2	70,000
Classroom technology	Education	23-ED-02	2	100,000
Information Technology	General Administration	09-GA-01	1	44,000
Revaluation	General Administration	09-GA-02	1	40,000
Open Space Acquisition	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	57,500
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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
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	20,000
Large Dump Replacement	Public Works	09-PW-01	1	223,300
Summer Roads	Public Works	09-PW-06	1	700,000
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	15,000
Sidewalk Extension and Repair	Public Works	11-PW-03	4	15,000
Open Space Stewardship	Public Works	13-PW-05	3	10,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	30,000
Lake Management Projects	Public Works	17-PW-01	1	125,000
Additional Infiltration Basins	Public Works	21-PW-06	2	200,000
Daly Road Safety Improvements	Public Works	21-PW-09	2	3,000,000
Auger Monster	Public Works	22-PW-01	2	110,000
Hook Hoist Lifts	Public Works	23-PW-03	3	40,000
Additional Backhoe	Public Works	23-PW-04	n/a	175,000
Total for FY 24				6,234,800

FY 25

CNREF FUND	CNREF	12-GA-01	2	100,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	45,000
Laidlaw Park Improvements	Culture & Recreation	09-CR-08	3	20,000
New Community Center	Culture & Recreation	23-CR-2	2	60,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Carpet Replacement	Education	09-ED-14	2	30,000
School Energy/Electrical/Security Upgrades/ADA	Education	12-ED-07	1	2,000,000
CHS Lecture Hall Seating	Education	14-ED-09	3	70,000
Window replacement	Education	17-ED-01	3	5,000,000
Crack Sealing of School Parking Lots	Education	18-ED-01	2	20,000
Fireproof File Cabinets	Education	20-ED-04	3	50,000
Relocate High School Weight Room	Education	20-ED-05	1	325,000
Replacement Lockers - CNH	Education	21-ED-05	3	65,000

Project Name	Department	Project #	Priority	Project Cost
Asbestos Abatement CHS	Education	21-ED-06	3	250,000
Classroom technology	Education	23-ED-02	2	150,000
Information Technology	General Administration	09-GA-01	1	45,000
Revaluation	General Administration	09-GA-02	1	60,000
Open Space Acquisition	General Administration	09-GA-05	2	25,000
GIS Upgrades	General Administration	22-GA-01	2	10,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	115,000
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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Engine Tanker Refurbishment	Public Safety	19-PS-05	3	75,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Large Dump Replacement	Public Works	09-PW-01	1	230,000
Summer Roads	Public Works	09-PW-06	1	850,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Urban Forestry Stewardship	Public Works	09-PW-19	3	30,000
Tri-axle Dump Truck	Public Works	13-PW-07	3	225,000
Guardrail	Public Works	13-PW-08	3	20,000
Lake Management Projects	Public Works	17-PW-01	1	125,000
Community Connectivity Sidewalk Extension	Public Works	21-PW-07	2	300,000
WPCA Replacement Pickup Truck	Public Works	23-PW-06	3	35,000
Avery Shores Pump Station Site Improvements	Public Works	23-PW-07	4	15,000

Total for FY 25

10,485,500

FY 26

CNREF FUND	CNREF	12-GA-01	2	150,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
New Community Center	Culture & Recreation	23-CR-2	2	10,000,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Custodial Equipment	Education	14-ED-03	3	25,000
School Wood Floor Refinishing	Education	14-ED-06	3	32,500
GHR parking lot replacement	Education	18-ED-07	n/a	250,000
Classroom technology	Education	23-ED-02	2	200,000
Information Technology	General Administration	09-GA-01	1	46,000
Revaluation	General Administration	09-GA-02	1	100,000
Open Space Acquisition	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	57,500
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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Ambulance Replacement	Public Safety	18-PS-01	1	325,000
Police Station Updates	Public Safety	19-PS-06	3	30,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Large Dump Replacement	Public Works	09-PW-01	1	236,900
Summer Roads	Public Works	09-PW-06	1	900,000
Large Drainage Projects	Public Works	09-PW-07	3	20,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Small Dump Trucks	Public Works	09-PW-14	2	105,000
Pick-up Trucks	Public Works	09-PW-15	3	57,500
Mowers (fine cut)	Public Works	09-PW-16	2	16,500
Open Space Stewardship	Public Works	13-PW-05	3	10,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	50,000
Lake Management Projects	Public Works	17-PW-01	1	125,000

Project Name	Department	Project #	Priority	Project Cost
Pump Replacements	Public Works	22-PW-02	3	18,000
Total for FY 26				12,963,400
FY 27				
CNREF FUND	CNREF	12-GA-01	2	175,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
Creaser Park	Culture & Recreation	09-CR-11	3	15,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Maintenance Vehicles	Education	14-ED-05	3	40,000
School Wood Floor Refinishing	Education	14-ED-06	3	32,500
Fire Tank 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	General Administration	09-GA-05	2	25,000
Meeting Room Addition	General Administration	09-GA-08	3	1,000,000
Water Tower	General Administration	14-GA-02	3	1,000,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	57,500
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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Hose and Equipment	Public Safety	21-PS-06	2	24,000
Large Dump Replacement	Public Works	09-PW-01	1	244,000
Summer Roads	Public Works	09-PW-06	1	950,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Guardrail	Public Works	13-PW-08	3	10,000
Total for FY 27				3,986,500
GRAND TOTAL				45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY DEPARTMENT

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
CNREF								
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	500,000
CNREF Total			0	75,000	100,000	150,000	175,000	500,000
Culture & Recreation								
New Community Center	23-CR-2	2			60,000	10,000,000		10,060,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000				30,000
Library Renovation	15-CR-01	2	95,000					95,000
Canoe/Kayak Launch	11-CR-02	3	18,000					18,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000	60,000
Laidlaw Park Improvements	09-CR-08	3	10,000		20,000			30,000
Miller Richardson Improvements	09-CR-07	1	25,000	500,000				525,000
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	130,000
Culture & Recreation Total			193,000	585,000	125,000	10,015,000	30,000	10,948,000
Education								
Crack Sealing of School Parking Lots	18-ED-01	2			20,000			20,000
PSS Van Replacement	18-ED-06	2		70,000				70,000
Fire Tank Inspection	23-ED-01	3					25,000	25,000
Asbestos Abatement CHS	21-ED-06	3			250,000			250,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Relocate High School Weight Room	20-ED-05	1			325,000			325,000
Fireproof File Cabinets	20-ED-04	3			50,000			50,000
GHR Exterior Work	19-ED-04	2	25,000					25,000
AC Replacement	18-ED-09	3	50,000					50,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	700,000
School Carpet Replacement	09-ED-14	2	10,000		30,000			40,000
Network Upgrades	09-ED-01	1	75,000	75,000				150,000
GHR parking lot replacement	18-ED-07	n/a				250,000		250,000
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	205,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000			7,760,000
School Custodial Equipment	14-ED-03	3				25,000		25,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000	80,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500	101,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Kitchen Equipment Upgrades	16-ED-02	2		35,000				35,000
Window replacement	17-ED-01	3			5,000,000			5,000,000
Education Total			5,995,000	401,000	8,005,000	552,500	342,500	15,296,000
General Administration								
Revaluation	09-GA-02	1		40,000	60,000	100,000		200,000
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Meeting Room Addition	09-GA-08	3					1,000,000	1,000,000
Town Hall Renovations	09-GA-09	1				10,000		10,000

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Water Tower	14-GA-02	3					1,000,000	1,000,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000		55,000
Electronic Document Management System	22-GA-03	2	20,000					20,000
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	225,000
General Administration Total			103,000	119,000	140,000	191,000	2,072,000	2,625,000
Human Services								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Human Services Total				60,000				60,000
Public Safety								
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	172,500
Generator Replacement - CVFA Substation	20-PS-03	2	30,000					30,000
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	388,000
Special Operations Equipment	23-PS-01	3	20,000	20,000				40,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000					10,000
Police Station Updates	19-PS-06	3	75,500			30,000		105,500
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Ambulance Replacement	18-PS-01	1				325,000		325,000
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	50,000
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Public Safety Total			355,000	311,500	265,500	496,000	143,000	1,571,000
Public Works								
WPCA Replacement Pickup Truck	23-PW-06	3			35,000			35,000
Auger Monster	22-PW-01	2		110,000				110,000
Relocate Transfer Station	19-PW-02	2	500,000					500,000
Additional Infiltration Basins	21-PW-06	2		200,000				200,000
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000			300,000
Daly Road Safety Improvements	21-PW-09	2		3,000,000				3,000,000
Pump Replacements	22-PW-02	3				18,000		18,000
Power Curber	23-PW-01	2	25,000					25,000
Ballfield Infield Groomer	23-PW-02	1	25,000					25,000
Hook Hoist Lifts	23-PW-03	3		40,000				40,000
Lake Management Projects	17-PW-01	1	125,000	125,000	125,000	125,000		500,000
Dump Body	23-PW-05	1	12,000					12,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000			65,000
Additional Backhoe	23-PW-04	n/a		175,000				175,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000		95,000
Wheelloader	13-PW-10	2	210,000					210,000
Guardrail	13-PW-08	3	25,000		20,000		10,000	55,000
Tri-axle Dump Truck	13-PW-07	3			225,000			225,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000			15,000
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500		45,000
Pick-up Trucks	09-PW-15	3	50,000			57,500		107,500
Small Dump Trucks	09-PW-14	2	95,000			105,000		200,000
Field Irrigation	09-PW-11	4		20,000				20,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	80,000
Large Drainage Projects	09-PW-07	3	20,000			20,000		40,000
Summer Roads	09-PW-06	1	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	934,200

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Open Space Stewardship	13-PW-05	3		10,000		10,000		20,000
Public Works Total			4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	14,066,700
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

CAPITAL IMPROVEMENT PLAN

FUNDING

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

FUNDING SOURCE SUMMARY

Source	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Bonding	8,210,000		3,361,250	10,250,000	500,000	22,321,250
Cafeteria Fund		35,000				35,000
Capital NonRecurring Fund	63,500					63,500
Cemetery Fund	15,000	30,000				45,000
EMS Fund				325,000		325,000
General Fund	828,500	1,446,500	1,634,500	1,609,500	1,382,500	6,901,500
Lease Purchase	95,000	303,300	455,000	341,900	244,000	1,439,200
Local Locip (Town Clerk fees)	10,000					10,000
LOCIP	100,000	100,000	100,000	100,000	55,000	455,000
Miscellaneous Highway Fund	25,000					25,000
Recreation Fund		5,000	5,000	5,000	5,000	20,000
Sewer Fund		310,000	50,000	18,000		378,000
State/Federal Grant/Loan	2,039,500	3,495,000	4,869,750	304,000	1,290,000	11,998,250
STEAP Grant		500,000			500,000	1,000,000
Tower Rental Income	10,000	10,000	10,000	10,000	10,000	50,000
GRAND TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Bonding								
Meeting Room Addition	09-GA-08	3					500,000	500,000
Summer Roads	09-PW-06	1	3,000,000					3,000,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,000,000		900,000			5,900,000
Wheelloader	13-PW-10	2	210,000					210,000
Window replacement	17-ED-01	3			2,250,000			2,250,000
GHR parking lot replacement	18-ED-07	n/a				250,000		250,000
Relocate High School Weight Room	20-ED-05	1			146,250			146,250
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
New Community Center	23-CR-2	2				10,000,000		10,000,000
Bonding Total			8,210,000		3,361,250	10,250,000	500,000	22,321,250
Cafeteria Fund								
Kitchen Equipment Upgrades	16-ED-02	2		35,000				35,000
Cafeteria Fund Total				35,000				35,000
Capital NonRecurring Fund								
Mowers (fine cut)	09-PW-16	2	13,500					13,500
GHR Exterior Work	19-ED-04	2	25,000					25,000
Ballfield Infield Groomer	23-PW-02	1	25,000					25,000
Capital NonRecurring Fund Total			63,500					63,500
Cemetery Fund								
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000				45,000
Cemetery Fund Total			15,000	30,000				45,000
EMS Fund								
Ambulance Replacement	18-PS-01	1				325,000		325,000
EMS Fund Total						325,000		325,000
General Fund								
Network Upgrades	09-ED-01	1	64,000	75,000				139,000
Classroom Furniture	09-ED-11	2	25,000	20,000	20,000	45,000	45,000	155,000
School Carpet Replacement	09-ED-14	2	10,000		18,000			28,000
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	225,000
Revaluation	09-GA-02	1		40,000	60,000	100,000		200,000
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Elderly Van Replacement	09-HS-01	3		10,000				10,000

Source	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	388,000
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	300,000	300,000	560,000	610,000	660,000	2,430,000
Pick-up Trucks	09-PW-15	3	50,000			57,500		107,500
Mowers (fine cut)	09-PW-16	2		15,000		16,500		31,500
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	0	75,000	100,000	150,000	175,000	500,000
School Custodial Equipment	14-ED-03	3				11,000		11,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000	80,000
School Wood Floor Refinishing	14-ED-06	3		16,000		32,500	32,500	81,000
CHS Lecture Hall Seating	14-ED-09	3			31,500			31,500
Cemetery Expansion/Improvements	14-PW-04	3				50,000		50,000
Lake Management Projects	17-PW-01	1	90,000	125,000	125,000	125,000		465,000
Crack Sealing of School Parking Lots	18-ED-01	2			10,000			10,000
PSS Van Replacement	18-ED-06	2		70,000				70,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Fireproof File Cabinets	20-ED-04	3			22,000			22,000
Asbestos Abatement CHS	21-ED-06	3			112,500			112,500
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		30,000				30,000
New Community Center	23-CR-2	2			60,000			60,000
Fire Tank Inspection	23-ED-01	3					25,000	25,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	700,000
Special Operations Equipment	23-PS-01	3		20,000				20,000
Hook Hoist Lifts	23-PW-03	3		40,000				40,000
Additional Backhoe	23-PW-04	n/a		175,000				175,000
Dump Body	23-PW-05	1	12,000					12,000
General Fund Total			828,500	1,446,500	1,634,500	1,609,500	1,382,500	6,901,500

Lease Purchase

Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	934,200
Small Dump Trucks	09-PW-14	2	95,000			105,000		200,000
Tri-axle Dump Truck	13-PW-07	3			225,000			225,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Lease Purchase Total			95,000	303,300	455,000	341,900	244,000	1,439,200

Local Locip (Town Clerk fees)

Laidlaw Park Improvements	09-CR-08	3	10,000					10,000
Local Locip (Town Clerk fees) Total			10,000					10,000

LOCIP

Patriots Park Improvements	09-CR-06	2	20,000	30,000	40,000	10,000	10,000	110,000
Laidlaw Park Improvements	09-CR-08	3			20,000			20,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000	60,000
Town Hall Renovations	09-GA-09	1				10,000		10,000
Large Drainage Projects	09-PW-07	3	20,000			20,000		40,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	80,000
Field Irrigation	09-PW-11	4		20,000				20,000

Source	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Open Space Stewardship	13-PW-05	3		10,000		10,000		20,000
Guardrail	13-PW-08	3	25,000		20,000		10,000	55,000
Police Station Updates	19-PS-06	3				30,000		30,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000					10,000
LOCIP Total			100,000	100,000	100,000	100,000	55,000	455,000

Miscellaneous Highway Fund

Power Curber	23-PW-01	2	25,000					25,000
Miscellaneous Highway Fund Total			25,000					25,000

Recreation Fund

Patriots Park Improvements	09-CR-06	2		5,000	5,000	5,000	5,000	20,000
Recreation Fund Total				5,000	5,000	5,000	5,000	20,000

Sewer Fund

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		18,000
WPCA Replacement Pickup Truck	23-PW-06	3			35,000			35,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000			15,000
Sewer Fund Total				310,000	50,000	18,000		378,000

State/Federal Grant/Loan

Miller Richardson Improvements	09-CR-07	1	25,000					25,000
Network Upgrades	09-ED-01	1	11,000					11,000
Classroom Furniture	09-ED-11	2		25,000	25,000			50,000
School Carpet Replacement	09-ED-14	2			12,000			12,000
Elderly Van Replacement	09-HS-01	3		50,000				50,000
Personal Protective Turn-out Gear	09-PS-04	2	40,000					40,000
Summer Roads	09-PW-06	1	300,000	400,000	290,000	290,000	290,000	1,570,000
Urban Forestry Stewardship	09-PW-19	3	35,000					35,000
Canoe/Kayak Launch	11-CR-02	3	18,000					18,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	760,000		1,100,000			1,860,000
School Custodial Equipment	14-ED-03	3				14,000		14,000
School Wood Floor Refinishing	14-ED-06	3		20,000				20,000
CHS Lecture Hall Seating	14-ED-09	3			38,500			38,500
Water Tower	14-GA-02	3					1,000,000	1,000,000
Library Renovation	15-CR-01	2	95,000					95,000
Window replacement	17-ED-01	3			2,750,000			2,750,000
Lake Management Projects	17-PW-01	1	35,000					35,000
Crack Sealing of School Parking Lots	18-ED-01	2			10,000			10,000
AC Replacement	18-ED-09	3	50,000					50,000
Police Station Updates	19-PS-06	3	75,500					75,500
Relocate Transfer Station	19-PW-02	2	500,000					500,000
Fireproof File Cabinets	20-ED-04	3			28,000			28,000
Relocate High School Weight Room	20-ED-05	1			178,750			178,750
Generator Replacement - CVFA Substation	20-PS-03	2	30,000					30,000
Asbestos Abatement CHS	21-ED-06	3			137,500			137,500
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000			300,000

Source	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Daly Road Safety Improvements	21-PW-09	2		3,000,000				3,000,000
GIS Upgrades	22-GA-01	2	25,000					25,000
Electronic Document Management System	22-GA-03	2	20,000					20,000
Special Operations Equipment	23-PS-01	3	20,000					20,000
State/Federal Grant/Loan Total			2,039,500	3,495,000	4,869,750	304,000	1,290,000	11,998,250
STEAP Grant								
Miller Richardson Improvements	09-CR-07	1		500,000				500,000
Meeting Room Addition	09-GA-08	3				500,000		500,000
STEAP Grant Total				500,000		500,000		1,000,000
Tower Rental Income								
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	50,000
Tower Rental Income Total			10,000	10,000	10,000	10,000	10,000	50,000
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
CNREF								
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	500,000
CNREF Total			0	75,000	100,000	150,000	175,000	500,000
<i>General Fund</i>			0	75,000	100,000	150,000	175,000	500,000
CNREF Total			0	75,000	100,000	150,000	175,000	500,000
Culture & Recreation								
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	130,000
Miller Richardson Improvements	09-CR-07	1	25,000	500,000				525,000
Laidlaw Park Improvements	09-CR-08	3	10,000		20,000			30,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000	60,000
Canoe/Kayak Launch	11-CR-02	3	18,000					18,000
Library Renovation	15-CR-01	2	95,000					95,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000				30,000
New Community Center	23-CR-2	2			60,000	10,000,000		10,060,000
Culture & Recreation Total			193,000	585,000	125,000	10,015,000	30,000	10,948,000
<i>Bonding</i>						10,000,000		10,000,000
<i>General Fund</i>							30,000	90,000
<i>Local Locip (Town Clerk fees)</i>							10,000	10,000
<i>LOCIP</i>							45,000	190,000
<i>Recreation Fund</i>							5,000	20,000
<i>State/Federal Grant/Loan</i>							5,000	20,000
<i>STEAP Grant</i>							5,000	20,000
Culture & Recreation Total			193,000	585,000	125,000	10,015,000	30,000	10,948,000
Education								
Network Upgrades	09-ED-01	1	75,000	75,000				150,000
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	205,000
School Carpet Replacement	09-ED-14	2	10,000		30,000			40,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000			7,760,000
School Custodial Equipment	14-ED-03	3				25,000		25,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000	80,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500	101,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Kitchen Equipment Upgrades	16-ED-02	2		35,000				35,000
Window replacement	17-ED-01	3			5,000,000			5,000,000

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Crack Sealing of School Parking Lots	18-ED-01	2			20,000			20,000
PSS Van Replacement	18-ED-06	2		70,000				70,000
GHR parking lot replacement	18-ED-07	n/a				250,000		250,000
AC Replacement	18-ED-09	3	50,000					50,000
GHR Exterior Work	19-ED-04	2	25,000					25,000
Fireproof File Cabinets	20-ED-04	3			50,000			50,000
Relocate High School Weight Room	20-ED-05	1			325,000			325,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Asbestos Abatement CHS	21-ED-06	3			250,000			250,000
Fire Tank Inspection	23-ED-01	3					25,000	25,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	700,000
Education Total			5,995,000	401,000	8,005,000	552,500	342,500	15,296,000

Bonding			5,000,000		3,361,250	250,000		8,611,250
Cafeteria Fund				35,000				35,000
Capital NonRecurring Fund			25,000					25,000
General Fund			149,000	321,000	364,000	288,500	342,500	1,465,000
State/Federal Grant/Loan			821,000	45,000	4,279,750	14,000		5,159,750
Education Total			5,995,000	401,000	8,005,000	552,500	342,500	15,296,000

General Administration

Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	225,000
Revaluation	09-GA-02	1		40,000	60,000	100,000		200,000
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Meeting Room Addition	09-GA-08	3					1,000,000	1,000,000
Town Hall Renovations	09-GA-09	1				10,000		10,000
Water Tower	14-GA-02	3					1,000,000	1,000,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000		55,000
Electronic Document Management System	22-GA-03	2	20,000					20,000
General Administration Total			103,000	119,000	140,000	191,000	2,072,000	2,625,000

Bonding							500,000	500,000
General Fund			58,000	119,000	140,000	181,000	72,000	570,000
LOCIP						10,000		10,000
State/Federal Grant/Loan			45,000				1,000,000	1,045,000
STEAP Grant							500,000	500,000
General Administration Total			103,000	119,000	140,000	191,000	2,072,000	2,625,000

Human Services

Elderly Van Replacement	09-HS-01	3		60,000				60,000
Human Services Total				60,000				60,000

General Fund				10,000				10,000
State/Federal Grant/Loan				50,000				50,000
Human Services Total				60,000				60,000

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Public Safety								
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	388,000
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	172,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	50,000
Ambulance Replacement	18-PS-01	1				325,000		325,000
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	75,500			30,000		105,500
Generator Replacement - CVFA Substation	20-PS-03	2	30,000					30,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000					10,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Special Operations Equipment	23-PS-01	3	20,000	20,000				40,000
Public Safety Total			355,000	311,500	265,500	496,000	143,000	1,571,000

EMS Fund						325,000		325,000
General Fund			169,500	221,500	255,500	131,000	133,000	910,500
Lease Purchase				80,000				80,000
LOCIP			10,000			30,000		40,000
State/Federal Grant/Loan			165,500					165,500
Tower Rental Income			10,000	10,000	10,000	10,000	10,000	50,000
Public Safety Total			355,000	311,500	265,500	496,000	143,000	1,571,000

Public Works								
Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	934,200
Summer Roads	09-PW-06	1	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Large Drainage Projects	09-PW-07	3	20,000			20,000		40,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	80,000
Field Irrigation	09-PW-11	4		20,000				20,000
Small Dump Trucks	09-PW-14	2	95,000			105,000		200,000
Pick-up Trucks	09-PW-15	3	50,000			57,500		107,500
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500		45,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000			65,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Open Space Stewardship	13-PW-05	3		10,000		10,000		20,000
Tri-axle Dump Truck	13-PW-07	3			225,000			225,000
Guardrail	13-PW-08	3	25,000		20,000		10,000	55,000
Wheelloader	13-PW-10	2	210,000					210,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000		95,000
Lake Management Projects	17-PW-01	1	125,000	125,000	125,000	125,000		500,000
Relocate Transfer Station	19-PW-02	2	500,000					500,000
Additional Infiltration Basins	21-PW-06	2		200,000				200,000
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000			300,000
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		18,000
Power Curber	23-PW-01	2	25,000					25,000

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Ballfield Infield Groomer	23-PW-02	1	25,000					25,000
Hook Hoist Lifts	23-PW-03	3		40,000				40,000
Additonal Backhoe	23-PW-04	n/a		175,000				175,000
Dump Body	23-PW-05	1	12,000					12,000
WPCA Replacement Pickup Truck	23-PW-06	3			35,000			35,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000			15,000
Public Works Total			4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	14,066,700
Bonding			3,210,000					3,210,000
Capital NonRecurring Fund			38,500					38,500
Cemetery Fund			15,000	30,000				45,000
General Fund			452,000	670,000	715,000	859,000	660,000	3,356,000
Lease Purchase			95,000	223,300	455,000	341,900	244,000	1,359,200
LOCIP			45,000	50,000	40,000	50,000	30,000	215,000
Miscellaneous Highway Fund			25,000					25,000
Sewer Fund				310,000	50,000	18,000		378,000
State/Federal Grant/Loan			870,000	3,400,000	590,000	290,000	290,000	5,440,000
Public Works Total			4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	14,066,700
Grand Total			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

CAPITAL IMPROVEMENT FUND

PROJECT DETAIL

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 12-GA-01
Project Name CNREF FUND

Type Unassigned
Useful Life
Category Infrastructure

Department CNREF
Contact Finance Director
Priority 2 Very Important

Description **Total Project Cost:** \$2,327,000

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 is proposed to skip a contribution for FY 23 due to ARPA funding being utilized to fund several capital projects.

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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Other	827,000	0	75,000	100,000	150,000	175,000	1,000,000	2,327,000
Total	827,000	0	75,000	100,000	150,000	175,000	1,000,000	2,327,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	827,000	0	75,000	100,000	150,000	175,000	1,000,000	2,327,000
Total	827,000	0	75,000	100,000	150,000	175,000	1,000,000	2,327,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	09-CR-06
Project Name	Patriots Park Improvements

Type Improvement	Department Culture & Recreation
Useful Life 20 years	Contact Recreation Director
Category Park: Patriots	Priority 2 Very Important

Description	Total Project Cost: \$407,000
<p>It is time to conduct a study of major repairs to the community center or looking at a replacement facility. The building was constructed as a seasonal facility and converted to year round use on a temporary basis. Major repairs will be limited while this study is conducted</p> <p>The pavillion, bandshell and ramp to the lodge will be the short term priorities.</p>	

Justification
<p>Patriots Park is our Flagship Park and is the most used recreational facility, With this popularity, many issues arise that require constant upkeep and improvement. This project addresses safety issues with broken, overused equipment. It also is to protect our assets. A high level of customer service is expected from our paying program and facility users. The Community Center is aging and upkeep is needed.</p>

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	202,000	20,000	35,000	45,000	15,000	15,000	75,000	407,000
Total	202,000	20,000	35,000	45,000	15,000	15,000	75,000	407,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding	25,000							25,000
General Fund	17,000							17,000
LOCIP	130,000	20,000	30,000	40,000	10,000	10,000	20,000	260,000
Recreation Fund	30,000		5,000	5,000	5,000	5,000	55,000	105,000
Total	202,000	20,000	35,000	45,000	15,000	15,000	75,000	407,000

Budget Impact/Other
<p>Realize cost savings by reduced risk exposure. An increase to potential rental is likely.</p> <p>No funding from the Recreation Fund will be requested for FY23 as the fund continues to recover from the COVID pandemic.</p>

Capital Improvement Plan

Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-CR-07
Project Name Miller Richardson Improvements



Type Improvement
Useful Life 25 years
Category Park Improvements
Department Culture & Recreation
Contact Recreation Director
Priority 1 Critical

Description **Total Project Cost:** \$661,000

Multi-year improvement plan for the Miller Richardson facility:

Includes renovations of Baseball fields for proper alignment, T-ball for universall access, upgraded snack and restrooms. Second girls softball field, walking trails, hard scape surfaces and other ammenities.

For FY2023, the plan is to have a study commitee work with engineers to update past plans to put together a plan using ARPA funds for possible future State STEAP grant (or bonding).

Justification

Build out a multipurpose park facility for all youth sports and all abilites.

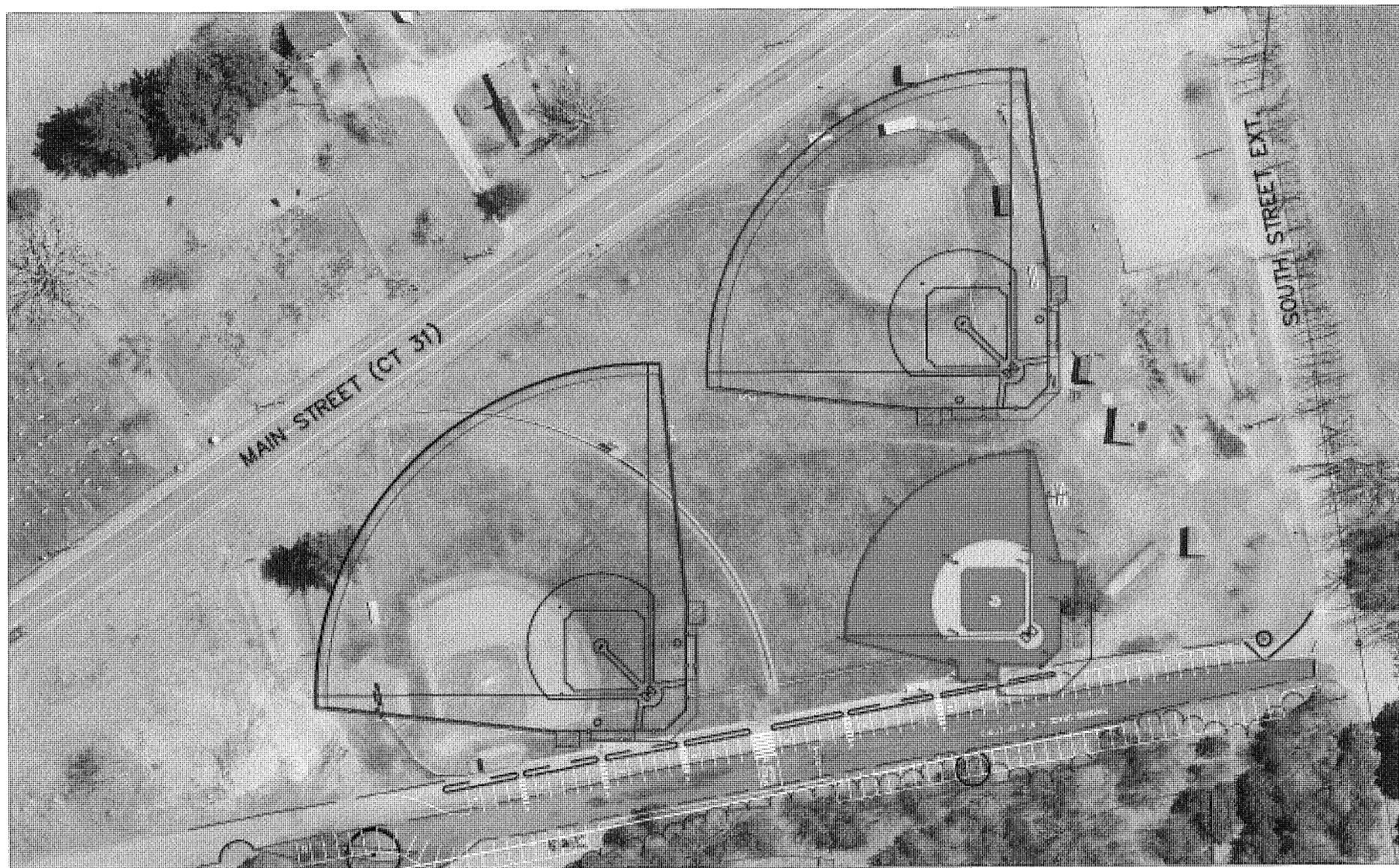
Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Planning/Design		25,000						25,000
Construction/Maintenance	136,000		500,000					636,000
Total	136,000	25,000	500,000					661,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	136,000							136,000
State/Federal Grant/Loan		25,000						25,000
STEAP Grant			500,000					500,000
Total	136,000	25,000	500,000					661,000

Budget Impact/Other

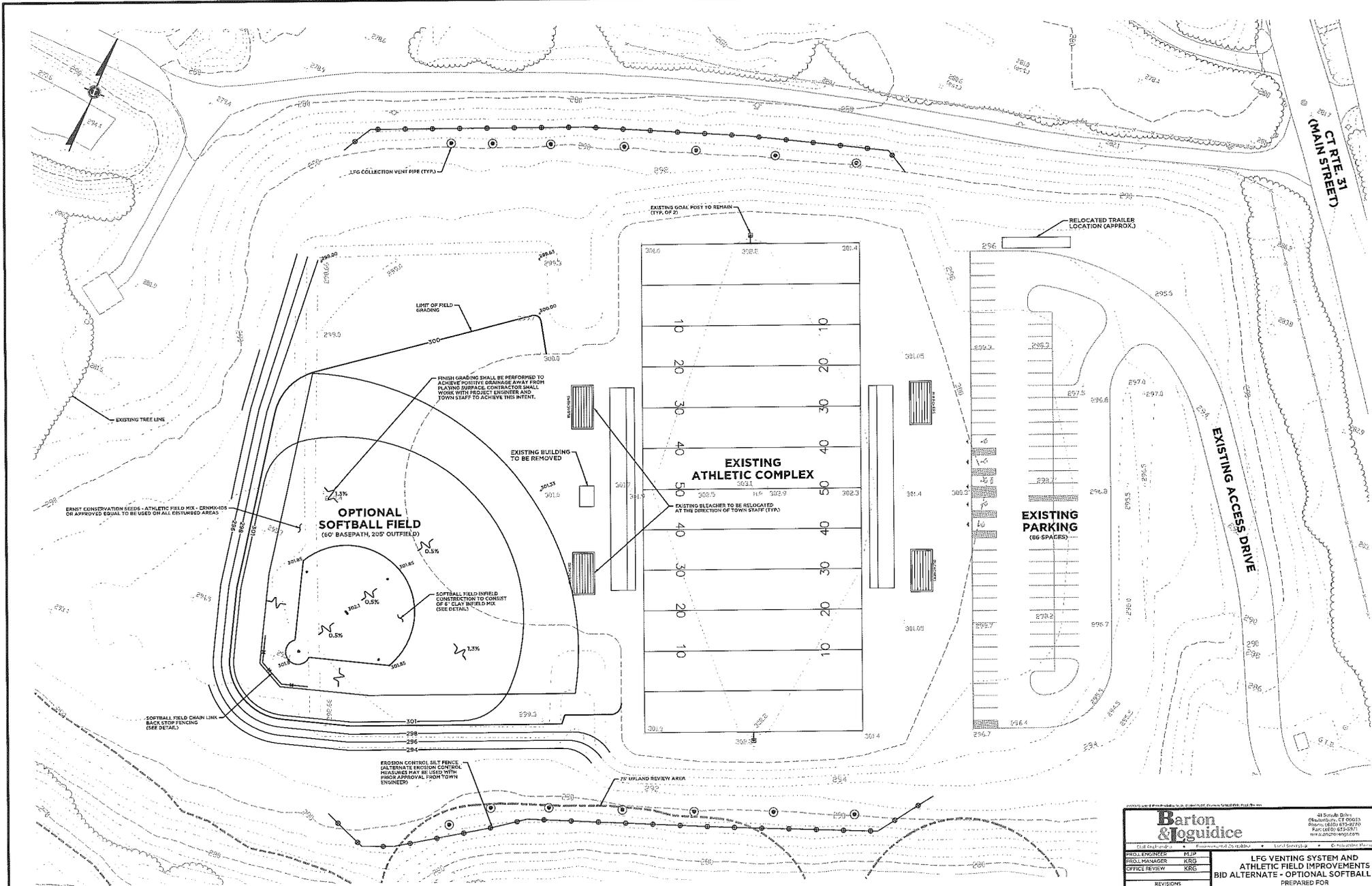
Proposed to be funded through American Rescue Plan Funding.

Budget Items	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Maintenance	1,000							1,000
Total	1,000							1,000



MIRACLE FIELD AT MILLER RICHARDSON
EXISTING BASEBALL OPTIMAL ROTATION

1' = 60FT - TM PENNEY, PE #23448
BASE MAP: 2016 AERIAL PHOTOGRAPHY

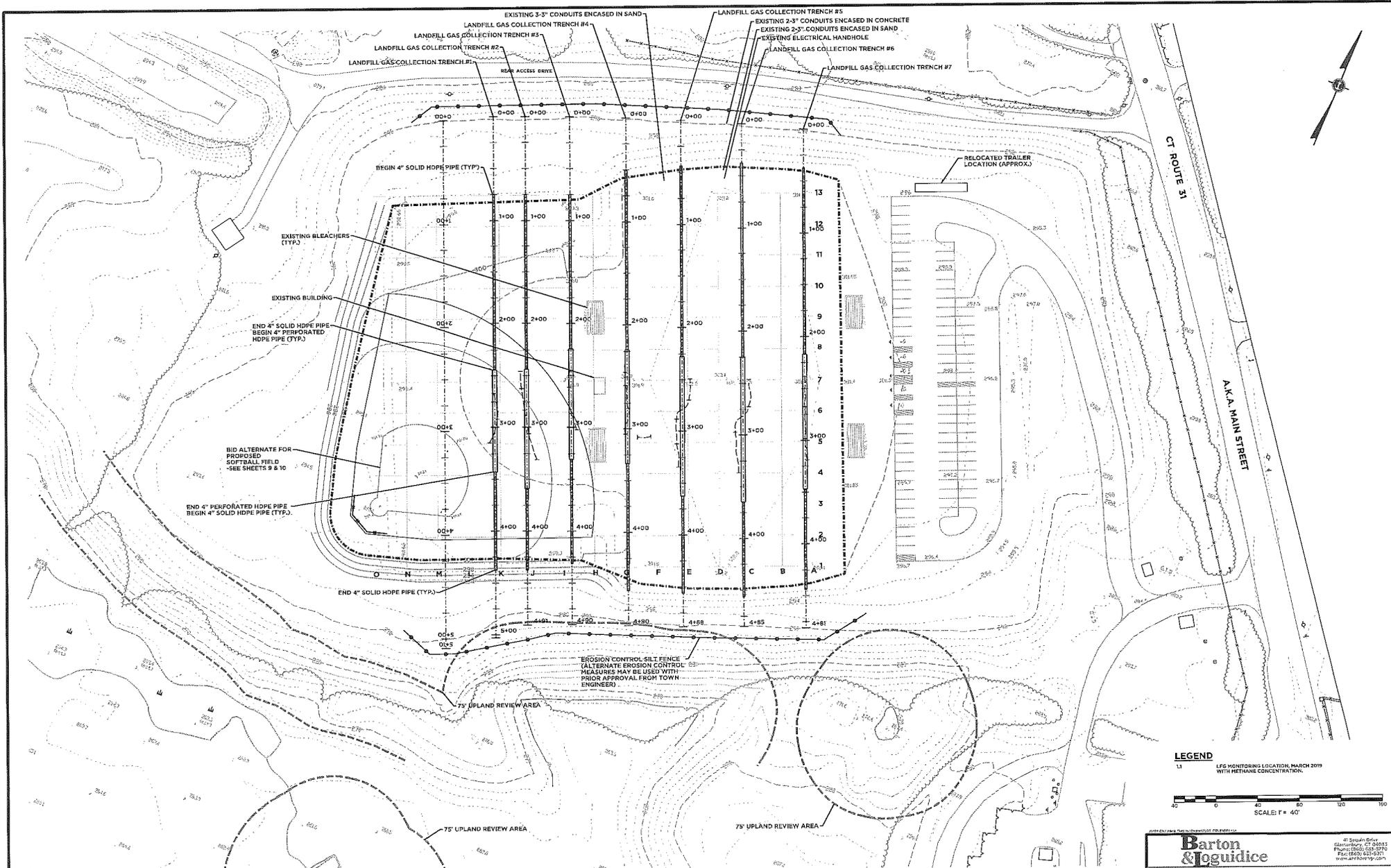


MAP REFERENCES:

1. BASEMAP INFORMATION PROVIDED BY TOWN OF COVENTRY ENGINEERING DEPARTMENT AND VERIFIED BY SITE WALK WITH AMERICAN ENGINEERING SERVICES AND COVERED BY TOWN ENGINEER, MARCH 2020.
2. MAP ENTITLED "TOWN OF COVENTRY, MILLER RICHARDSON PARK EXPANSION STEA2 2018-2014, SOFTBALL FIELD CONSTRUCTION DOCUMENT SET, BY TOWN OF COVENTRY ENGINEERING DEPARTMENT, SCALE: 1"=40', DATED APRIL 10, 2018



		44 Souda Drive Plainville, CT 06061 Phone: (860) 833-9270 Fax: (860) 833-8311 www.barton-jojudice.com	
		Professional Seal: _____ Licensed Professional Engineer State of Connecticut	
PROJECT ENGINEER: MJP PROJECT MANAGER: KRK OFFICE REVIEW: KRK	REVISIONS:	LFG VENTING SYSTEM AND ATHLETIC FIELD IMPROVEMENTS BID ALTERNATE - OPTIONAL SOFTBALL FIELD PREPARED FOR: TOWN OF COVENTRY CT ROUTE 31 (AKA MAIN STREET) COVENTRY	
SCALE: 1"=50'	PROJECT: 3038.008	DATE: 12/27/21	SHEET NO. 9 OF 1



LEGEND
 13 LFG MONITORING LOCATION, MARCH 2019 WITH METHANE CONCENTRATION.



MAP REFERENCE

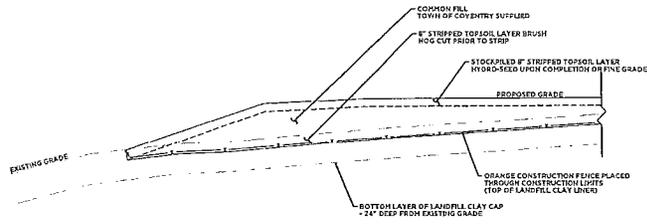
1. MAP REFERENCED FROM DRAWING ENTITLED: TOWN OF COVENTRY STADIUM FOOTBALL FIELD LAYOUT PLAN DATED APRIL 15, 2014 SCALE 1" = 40' BY TOWN OF COVENTRY OFFICE OF THE TOWN ENGINEER.
2. MAP REFERENCED FROM DRAWING ENTITLED: TOWN OF COVENTRY STADIUM FOOTBALL FIELD COLLECTION DETAILS DATED APRIL 15, 2014 SCALE 1" = 40' BY TOWN OF COVENTRY OFFICE OF THE TOWN ENGINEER.
3. MAP REFERENCED FROM DRAWING ENTITLED: "ATHLETIC FIELD LFG GAS INVESTIGATION" DATED MARCH 29, 2016 SCALE 1" = 40' BY ANCHOR ENGINEERING SERVICES, INC.

Barton & Joquide
 43 Squash Golf
 Plainville, CT 06062
 Phone: (860) 624-3775
 Fax: (860) 624-0371
 www.bartonjoquide.com

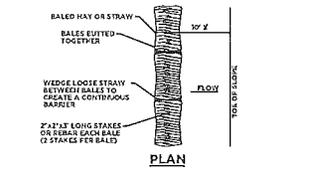
PROJ. ENGINEER	MJP
PROJ. MANAGER	DSA
OFFICE REVIEW	DSA
REVISIONS	
10/14/20	
PROJECT	DATE
3039.008	12/27/21
SHEET NO. 1 OF 1	

LFG VENTING SYSTEM AND ATHLETIC FIELD IMPROVEMENT SITE PLAN
 PREPARED FOR
TOWN OF COVENTRY
 CT ROUTE 31 (AKA MAIN STREET) COVENTRY

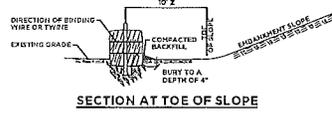
SCALE: 1" = 40'



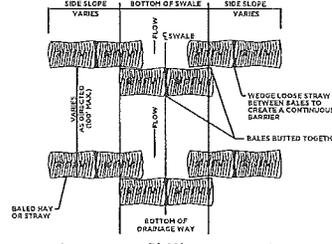
FORMER ATHLETIC FIELD CONSTRUCTION DETAIL
NOT TO SCALE



HAY BALES
NOT TO SCALE



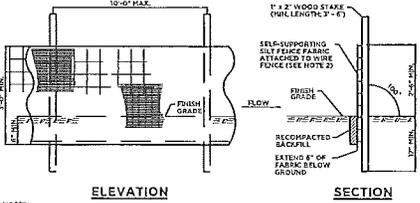
SECTION AT TOE OF SLOPE



SECTION AT SWALE

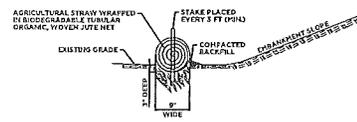


SOIL STOCKPILE DETAIL
NOT TO SCALE



NOTES:
1. INSTALL SFT FENCE & WOOD STAKES AS RECOMMENDED BY MANUFACTURER.
2. SFT FENCE SUBJECT TO HEAVY LOADS SHALL BE SUB FORCED WITH PAIN FENCING & STEEL POSTS (C/S & STEEL/ALU.). THE MINIMUM POST LENGTH SHALL BE 3'-0\"/>
3. SFT FENCE FABRIC SHALL BE A RESIN COATED WOVEN POLYPROPYLENE, POLYOLYESTER OR POLYETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER.

SILT FENCE
NOT TO SCALE



FILTRATION ROLL
NOT TO SCALE

EROSION & SEDIMENTATION CONTROL NOTES:

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE TOWN PRIOR TO CONSTRUCTION.
2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, DATED 2002, AS AMENDED AND THE TOWN REGULATIONS.
3. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED OR REPLACED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD AS NECESSARY OR AS REQUIRED BY THE ENGINEER OR TOWN.
4. ALL ON-SITE EROSION AND SEDIMENTATION CONTROLS ARE REQUIRED TO BE INSPECTED WITHIN 24 HOURS AFTER A SIGN EXISTENT OF AT LEAST A MAJOR EROSION, AND MAINTAINED, REPLACED OR REINSTALLED AS REQUIRED BY SPECIFIC FIELD CONDITIONS.
5. SEDIMENT REMOVED FROM ANY CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE SPECIFIC OF THE PLAN.
6. ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY OR REQUIRED BY THE ENGINEER OR TOWN.
7. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING ALL EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN ON THESE PLANS OR AS ORDERED BY THE ENGINEER.
8. ALL DISTURBED AREAS ARE TO BE RE-SEED, RE-SOIL AND RE-VEGETATED WITH TOWN ESTABLISHMENT SPECIFICATION IN CITY OF CT BY THE COMPLETION OF PROJECT, WHERE ADDITIONAL TURS ESTABLISHMENT FOR ATHLETIC FIELDS IS REQUIRED, CONTRACTOR SHALL FOLLOW THESE SPECIFICATIONS/SEE HULL.
9. AREAS OUTSIDE OF PAVED AREAS, WALKS, AND BUILDINGS ARE TO RECEIVE A MINIMUM 4\"/>

EROSION & SEDIMENTATION CONTROL PLAN:

1. ALL EROSION AND CONTROL MEASURES WILL BE INSTALLED AT THE PROJECT SITE PRIOR TO CONSTRUCTION WHEREVER POSSIBLE.
2. EXISTING GRAVEL PARKING LOT SHALL BE USED AS AN ANTI-TRACKING APPROACH.
3. AN EROSION CONTROL SYSTEM SHALL BE INSTALLED AROUND ALL ON-SITE STOCKPILES OF SOIL.
4. DUST CONTROL MEASURES WILL BE APPLIED DURING THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED, AS REQUIRED BY FIELD CONDITIONS.
5. TEMPORARY SEDIMENT TRAPS WILL BE INSTALLED AS NECESSARY DURING CONSTRUCTION ACTIVITIES. ALL TEMPORARY SEDIMENTATION DISCHARGE WILL BE DIRECTED TO THESE TRAPS.

SEQUENCE OF CONSTRUCTION

1. PROJECT SHALL COMMENCE SPRING 2022 AND BE SUBSTANTIALLY COMPLETE WITHIN 75 DAYS.
2. INSTALL SEDIMENT AND EROSION CONTROLS AS SHOWN ON PLANS.
3. RELOCATE TRAILS AND RELOCATE AS DIRECTED.
4. BEGIN EXCAVATION OF TRENCHES FOR VENTING SYSTEM PIPES PER PLAN LOCATIONS AND STOCK PILE MATERIAL FOR REMOVAL FROM SITE.
5. INSTALL VENTING PIPES AT ELEVATIONS AND LOCATIONS SHOWN ON PLANS AND BACK FILL WITH SPECIFIED MATERIALS AS SHOWN ON PLANS.
6. WHEN VENTING PIPES HAVE BEEN INSTALLED AND BACKFILLED BEGIN GRADING INCLUDING FIELD ELEVATIONS AND INSTALL SPECIFIED MATERIALS SHOWN ON PLANS.
7. IF TOWN SELECTS BIO ALTERNATE FOR OPTIONAL SOFTBALL FIELD, INSTALL SOFTBALL FIELD BACKSTOP AND SPECIAL LANDSCAPE ACTIVITIES IN SPECIFIED LOCATIONS.
8. APPLY SEED MIX TO ATHLETIC FIELD AND DISTURBED AREAS OUTSIDE OF FIELD.

ATHLETIC FIELD SEED MIX

ERNST SEEDS
Ernst Conservation Seeds
Housh, PA 15337
(800) 675-3321 Ext. (412) 336-5111
www.ernstseeds.com

Date: October 14, 2023

Athletic Field Mix - ERNCK-108

Botanical Name	Ernst Name	Pct/1b
30.0 % <i>Festuca arvensis</i> Penn	Red Fescue Penn	1.00
30.0 % <i>Lolium perenne</i> Arundin	Perennial Ryegrass, 'New York 1'	1.00
10.0 % <i>Poa annua</i> Swalm	Annual Ryegrass, 'Swalm'	1.00
10.0 % <i>Poa pratensis</i> Arundin	Perennial Ryegrass, 'Arundin'	1.00
10.0 % <i>Lolium arundinaceum</i>	Annual Ryegrass	1.00
100.00 %	Mix Pct/1b Balns	10.00

Seeding Rate: 75-150 lb per acre, or 3-5 lb per 1,000 sq ft
Lawn & Turfgrass Uses

This mix is good for high-traffic areas. Mix formulations are subject to change without notice depending on the availability of testing and raw products. While it's formula may change, the quality philosophy and function of this mix will not.

Barton & Jodiguidice

1155 Main Street
Coventry, CT 06238
Phone: (860) 426-1234
Fax: (860) 426-1235
www.bartonandjodiguidice.com

PROJECT: LFG VENTING SYSTEM AND ATHLETIC FIELD IMPROVEMENTS DETAILS
PREPARED FOR: TOWN OF COVENTRY
CT ROUTE 31 (AKA MAIN STREET) COVENTRY

PROJECT DATE: 3/20/21
SHEET NO. 2 OF 11
SCALE: NOT TO SCALE

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 09-CR-08
Project Name Laidlaw Park Improvements



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

Description **Total Project Cost:** \$199,000

Picnic tables and grills for the new pavilion is requested for 2023.
 Additional field irrigation, field refresh, and a par course on walking trail is requested for 2024.

Justification
 Equipment is needed for Pavilion use. Will increase rental abilities.
 Additional irrigation will help with grass health. Improvements to trails to add a fitness course.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	169,000			20,000				189,000
Equip/Vehicles/Furnishings		10,000						10,000
Total	169,000	10,000		20,000				199,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Donations\Non-Gov't Grant	60,000							60,000
Local Locip (Town Clerk fees)		10,000						10,000
LOCIP	109,000			20,000				129,000
Total	169,000	10,000		20,000				199,000

Budget Impact/Other

Budget Items	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Supplies/Materials	0							0
Total	0							0

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-CR-11
Project Name Creaser Park



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

Description **Total Project Cost:** \$112,000

Building demo to buildings #3 and #4.
 Green house addition for Community Gardens (possibly joint with Sustainable CT crowd source funding).
 Additional nine holes of disc golf.
 Control dam review and pond work
 Improve pavillion accessiblity and enhancements such as a fireplace. The Town can assist with accessibility and will propose a potential Eagle Scout project for fireplace suggestion.

Justification

Continue park development.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	52,000	25,000	20,000			15,000		112,000
Total	52,000	25,000	20,000			15,000		112,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	52,000	25,000	20,000			15,000		112,000
Total	52,000	25,000	20,000			15,000		112,000

Budget Impact/Other

Capital Improvement Plan

Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 15-CR-01
Project Name Library Renovation



Type Improvement **Department** Culture & Recreation
Useful Life 20 years **Contact** Town Manager
Category Buildings **Priority** 2 Very Important

Description **Total Project Cost:** \$1,820,000

The Library Board has completed a strategic plan which indicates the need for additional space for the Library. However after two failed referendums the scope has been changed to address critical renovations within the existing building footprint (including the courtyard) to address code issues, water intrusion, roof leak, electrical and efficiencies. A \$850,000 state grant will assist matched by \$750,000 of bonding and other funding sources. The project was revised to focus on living within the footprint including the lower courtyard to address the water infiltration project, update code violations, improve the building flow, and update electronics.

Note: The boiler, chiller, oil tank and elevator ADA projects were included with another school project with similar components. As such, approximately \$250,000 has been removed from the project. The elevator funds will be used in this redesign option. \$100,000 from this prior bond including \$70,000 of bond funds and \$30,000 of bond proceeds can go toward this revised project. Other projects including re roofing, painting and carpet replacement have been deleted from the CIP. A future parking lot repaving was added

For fiscal year 2023, we are proposing using ARP funding to fund the window replacement that was removed from the original project (\$65,000) and roof replacement for the old section of the roof (\$30,000)

Justification

The Library needs have outgrown the 33 year old addition. It is also time for a great deal of routine maintenance and solving water infiltration issues and code issues

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Planning/Design	25,000							25,000
Construction/Maintenance	1,700,000	95,000						1,795,000
Total	1,725,000	95,000						1,820,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding	850,000							850,000
Local Locip (Town Clerk fees)	25,000							25,000
State/Federal Grant/Loan	850,000	95,000						945,000
Total	1,725,000	95,000						1,820,000

Budget Impact/Other

Minor increase to utilities and cleaning costs.

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	23-CR-01
Project Name	Furnishing replacement and additional shelving

Type Equipment	Department Culture & Recreation
Useful Life 25 years	Contact Library Director
Category Equipment - Office	Priority 3 Important

Description	Total Project Cost: \$30,000
Replacing furnishing and adding shelving at the Library (items not included in renovation project).	

Justification
Some furnishings have reached end of life and were not included in the renovation budget.. Additional shelving is needed to allow collection to grow

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings			30,000					30,000
Total			30,000					30,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund			30,000					30,000
Total			30,000					30,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 23-CR-2
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

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.

It is recommended a study committee be established to study needs and square footage.

For budget purposes a 20,000square foot two story building at \$500 per SF .

Justification

The existing community center was a seasonal building converted to year round use.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding					10,000,000			10,000,000
General Fund				60,000				60,000
Total				60,000	10,000,000			10,060,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

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.
 The Board requested \$45,000 in FY 23. A partial restoration has been proposed by the Town Manager.
 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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance							45,000	45,000
Equip/Vehicles/Furnishings	235,000	25,000	45,000	45,000	45,000	45,000	135,000	575,000
Total	235,000	25,000	45,000	45,000	45,000	45,000	180,000	620,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	235,000	25,000	20,000	20,000	45,000	45,000	180,000	570,000
State/Federal Grant/Loan			25,000	25,000				50,000
Total	235,000	25,000	45,000	45,000	45,000	45,000	180,000	620,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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
<p>This project is planning for the replacement of carpet as it wears out, frays, splits.</p> <p>Most carpet is over 20 years old. Work is proposed over two years. Which due to funding reductions need to be phased back in</p> <p>Th Board request for FY 23 was \$25,000, Funding was included for CGS office and other spot repairs/replacement in CGS or GHR.</p> <p>CHS media center and auditorium were not included this year since these could be part of a renovate as new project.</p>	

Justification
<p>It is expected that the planned life of carpet in various buildings will be reached.</p> <p>Targetted carpet areas include the CHS auditorium and CGS office.</p> <p>It should be noted that if the renovate-as-new program proceeds at CHS this would be included with the State picking uo 55%.</p>

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance		10,000		30,000				40,000
Total		10,000		30,000				40,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund		10,000		18,000				28,000
State/Federal Grant/Loan				12,000				12,000
Total		10,000		30,000				40,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	12-ED-07
Project Name	School Energy/Electrical/Security Upgrades/ADA

Type Study	Department Education
Useful Life 15-20 years	Contact Superintendent
Category Buildings - HVAC & Electrical	Priority 1 Critical

Description	Total Project Cost: \$10,835,000
<p>Work continues on various energy saving and air quality projects, wind fire code issues at the CHS/CNHMS complex, security projects districtwide. Project will include replacing unit ventilators with better air quality systems Security projects will include entryway bollards, cameras and access control, window replacement or film treatment. Phase 1 work would be scheduled for summer of 2022 and 23 for the High school/and GHR and CGS work 2026.</p> <p>Security grants will assist in funding several projects. If the renovate-as-new project proceeds at the CHS and CNHMS, state grants of 55% would cover these expenses. The budget figure is a place holder.</p> <p>It is hoped to upgrade unit ventilators at CHS during the summer of 2022 using existing bond funds and some American Rescue Plan funds (\$760,000). The new system will be able to tie into a future AC system. CNHMS HVAC would be included in a renovate as new project which could include air conditioning for both schools.</p> <p>GHR work will include a generator connection for walk in freezers.</p>	

Justification
<p>Undertaking the projects in a comprehensive fashion should reduce the cost. Design work for a larger project should yield better results and assure that the changes work together districtwide. Some projects may be eligible for state grants for code updates and security measures.</p> <p>Projects include recommendations from the energy consultant, lightning & surge suppression, security enhancements. An Architectural study is due late spring of 2023.</p>

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Planning/Design	75,000							75,000
Construction/Maintenance	3,000,000	5,760,000		2,000,000				10,760,000
Total	3,075,000	5,760,000		2,000,000				10,835,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding	2,644,000	5,000,000		900,000				8,544,000
General Fund	75,000							75,000
State/Federal Grant/Loan	356,000	760,000		1,100,000				2,216,000
Total	3,075,000	5,760,000		2,000,000				10,835,000

Budget Impact/Other
Should reduce energy consumption.
Proposed use of American Rescue Plan funding.

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 14-ED-03
Project Name School Custodial Equipment



Type Equipment **Department** Education
Useful Life 10 years **Contact** Superintendent
Category Equipment **Priority** 3 Important

Description **Total Project Cost:** \$25,000
 Replace school custodial equipment. E.g. floor cleaners.
 Requested for \$25,00 FY24 pushed to FY26.
 Note: Middle school equipment could qualify for renovate-as-new funding at 55%.

Justification

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings					25,000			25,000
Total					25,000			25,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund					11,000			11,000
State/Federal Grant/Loan					14,000			14,000
Total					25,000			25,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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: \$80,000
Replace 2010 school maintenance van (\$40,000) scheduled for FY24 Then replace a 2016 van in FY27.	

Justification
Vans will reach service life.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings			40,000			40,000		80,000
Total			40,000			40,000		80,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund			40,000			40,000		80,000
Total			40,000			40,000		80,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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: \$148,500
Refinish wood floors on an 8 to 10 year cycle.	
Note if the renovate-as-new project proceeds, the two gyms at CHS and one at CNHMS may qualify for renovate as new funding at 55%	

Justification
Sanding and refinishing stretches the life of the flooring.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	47,500		36,000		32,500	32,500		148,500
Total	47,500		36,000		32,500	32,500		148,500

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	47,500		16,000		32,500	32,500		128,500
State/Federal Grant/Loan			20,000					20,000
Total	47,500		36,000		32,500	32,500		148,500

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 16-ED-02
Project Name Kitchen Equipment Upgrades

Type Equipment
Useful Life 10 years
Category Equipment

Department Education
Contact Superintendent
Priority 2 Very Important



Description **Total Project Cost:** \$117,000

Replace existing kitchen re Fridgeration equipment : GHR walk in (1995)

Recommend funding from food service account in FY24.

Justification

The Foods Service and Facilities departments have been working on tracking kitchen equipment end of life and repair cost with the use of School Dude. With this information, equipment that needs to be replaced will be replaced based on age and cost of repairs.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	82,000		35,000					117,000
Total	82,000		35,000					117,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Cafeteria Fund	62,000		35,000					97,000
General Fund	20,000							20,000
Total	82,000		35,000					117,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 17-ED-01
Project Name Window replacement

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

Description **Total Project Cost:** \$5,000,000
 Replace windows at all schools.
 This project will start with the renovate-as-new project for CHS and CNHMS currently underway. Earliest consideration for a vote will be Nov 2023 and construction summer of 2024 and 2025. It would be eligible for 55% State grants.
 Price is just a place holder until architects costs are developed in late spring of 2022

Justification
 Most windows are old and not energy efficient or built to todays security standards.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance				5,000,000				5,000,000
Total				5,000,000				5,000,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding				2,250,000				2,250,000
State/Federal Grant/Loan				2,750,000				2,750,000
Total				5,000,000				5,000,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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: \$50,000
<p>To extend the life of the parking lots it is recommended that they be crack sealed. Pricing is estimated at \$1 per CY with 20,400 CY for all lots.</p> <p>Proposed work is at CHS/CNHMS and totals 14,000 CY. Note if the renovate-as-new project proceeds the lots at CHS and one at CNHMS may qualify for funding at 55%.</p> <p>GHR lot is under consideration for replacement.</p>	

Justification

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	30,000			20,000				50,000
Total	30,000			20,000				50,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	30,000			10,000				40,000
State/Federal Grant/Loan				10,000				10,000
Total	30,000			20,000				50,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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 n/a

Description	Total Project Cost: \$250,000
Replace GHR parking lot.	

Justification
Age/wear and tear.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance					250,000			250,000
Total					250,000			250,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding					250,000			250,000
Total					250,000			250,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	18-ED-09
Project Name	AC Replacement

Type Equipment	Department Education
Useful Life 20 years	Contact Superintendent
Category Buildings - HVAC & Electrical	Priority 3 Important

Description	Total Project Cost: \$50,000
<p>This project would replace the rooftop units district wide: 1 CGS, 2 CNH, 1 CHS Projects at CHS and CNH will be deferred to determine whether they would be covered by a renovate-as-new project. CGS and GHR will be included in FY 23. with proposed funding coming from American Rescue Plan funds.</p> <p>This project would replace multiple ductless split units district wide that were installed 2000 and have a life expectancy of 15 years (\$25,000 each).</p>	

Justification
With the newer system it would save the district money in maintenance and electrical costs.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		50,000						50,000
Total		50,000						50,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State/Federal Grant/Loan		50,000						50,000
Total		50,000						50,000

Budget Impact/Other
Proposed to be funded through American Rescue Plan Funding.

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project #	19-ED-04
Project Name	GHR Exterior Work

Type Maintenance	Department Education
Useful Life 25 years	Contact Superintendent
Category Buildings	Priority 2 Very Important

Description	Total Project Cost: \$25,000
The work would focus on repairs or replacement of damaged sidewalks around the school.	

Justification
Continued use has caused wear and tear on facility.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance		25,000						25,000
Total		25,000						25,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Capital NonRecurring Fund		25,000						25,000
Total		25,000						25,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 20-ED-04
Project Name Fireproof File Cabinets



Type Equipment **Department** Education
Useful Life 20 years **Contact** Superintendent
Category Equipment - Office **Priority** 3 Important

Description **Total Project Cost:** \$50,000
 Replace current standared file cabinets with fire proof and water resistant file cabinets.

Justification
 To safe guard records.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings				50,000				50,000
Total				50,000				50,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund				22,000				22,000
State/Federal Grant/Loan				28,000				28,000
Total				50,000				50,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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: \$325,000
<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.</p> <p>This will be studied as part of the renovate-as-new and if that proceeds, would be eligible for 55% funding.</p>	

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

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance				325,000				325,000
Total				325,000				325,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding				146,250				146,250
State/Federal Grant/Loan				178,750				178,750
Total				325,000				325,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	21-ED-05
Project Name	Replacement Lockers - CNH



Type Equipment	Department Education
Useful Life 20 years	Contact Superintendent
Category Equipment	Priority 3 Important

Description	Total Project Cost: \$65,000
Replace original student lockers. This will be studied as part of the renovate-as-new project and if that proceeds, would be eligible for 55% funding.	

Justification
Current lockers are from original construction. With age, they have become bent and difficult to repair.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings				65,000				65,000
Total				65,000				65,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding				65,000				65,000
Total				65,000				65,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 21-ED-06
Project Name Asbestos Abatement CHS

Type Improvement **Department** Education
Useful Life 30 years **Contact** Superintendent
Category Buildings - Asbestos **Priority** 3 Important

Description **Total Project Cost:** \$250,000
 Remove asbestos containing floor tile. This is not currently required since the tile is encapsulated.
 This will be studied as part of the renovate-as-new project and if that proceeds, would be eligible for 55% funding.

Justification
 During testing for the Cafeteria abatement project it was found that 18 classrooms have asbestos VCT under the new VCT. This project would remove all VCT and mastic containing asbestos.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance				250,000				250,000
Total				250,000				250,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund				112,500				112,500
State/Federal Grant/Loan				137,500				137,500
Total				250,000				250,000

Budget Impact/Other

Capital Improvement Plan

Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 23-ED-02
Project Name Classroom technology



Type Equipment
Useful Life 5 years
Category Equipment - Computers/software
Department Education
Contact Superintendent
Priority 2 Very Important

Description **Total Project Cost:** \$1,300,000

CIP funding for Classroom technology was offered up by the Board in FY 21 in lieu of operational cuts due to Covid 19 concerns. Network equipment was funded. This project separates out classroom technology from the core network equipment and starts the restoration process. Alternative funding from Covid relief programs helped fill in the funding reductions but that is ending.

The Board requested \$200,000 per year.

Note if the renovate as new project proceeds classroom tech at CHS and CNHMS may qualify for renovate as new funding at 55%

Justification

Plans include completing supplying teacher laptops and docking stations for remote learning. Plans also include replacing smart boards with interactive panels and replacing CAD computers.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		50,000	100,000	150,000	200,000	200,000	600,000	1,300,000
Total		50,000	100,000	150,000	200,000	200,000	600,000	1,300,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund		50,000	100,000	150,000	200,000	200,000	600,000	1,300,000
Total		50,000	100,000	150,000	200,000	200,000	600,000	1,300,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 09-GA-01
Project Name Information Technology



Type Equipment
Useful Life 5 years
Category Equipment - Computers/software
Department General Administration
Contact Finance Director
Priority 1 Critical

Description **Total Project Cost:** \$958,791
 Replacing and upgrading computer workstations and network equipment on a scheduled basis to assure efficient and cost effective operations. The plan assumes a replacement of 20% of the hardware, operating software, and peripherals each year. Some equipment will be re-allocated based on the needs of the user.

Justification
 80 workstations at \$800 each = \$64,000, 80 OS upgrades at \$500 each = \$40,000
 23 printers at \$500 = \$11,500, 7 servers at \$5,000 = \$35,000, 3 switches at \$6,000 = \$18,000, 17 I pads at \$500 = \$8,500 . The request assumes a 20% replacement rate.
 I

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	492,791	43,000	44,000	45,000	46,000	47,000	241,000	958,791
Total	492,791	43,000	44,000	45,000	46,000	47,000	241,000	958,791

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	492,791	43,000	44,000	45,000	46,000	47,000	241,000	958,791
Total	492,791	43,000	44,000	45,000	46,000	47,000	241,000	958,791

Budget Impact/Other
 Scheduled replacement will avoid unexpected repair expenses, allow for current technology, and the advantages of increased energy efficiency.

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

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:** \$818,000
 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.
 The next reval occurs in FY 2030.

Justification
 Cost estimated at approximately \$ 18 per parcel.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Other	318,000		40,000	60,000	100,000		300,000	818,000
Total	318,000		40,000	60,000	100,000		300,000	818,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	318,000		40,000	60,000	100,000		300,000	818,000
Total	318,000		40,000	60,000	100,000		300,000	818,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	09-GA-05
Project Name	Open Space Acquisition

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

Description	Total Project Cost: \$654,000
Acquire land for open space preservation, purchase development rights/conservation easements and obtain easements to provide connectivity between parcels.	

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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Land Acquisition	404,000	15,000	25,000	25,000	25,000	25,000	135,000	654,000
Total	404,000	15,000	25,000	25,000	25,000	25,000	135,000	654,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	260,000	15,000	25,000	25,000	25,000	25,000	135,000	510,000
Land Acquisition Fund	94,000							94,000
State/Federal Grant/Loan	50,000							50,000
Total	404,000	15,000	25,000	25,000	25,000	25,000	135,000	654,000

Budget Impact/Other
Possible minor maintenance issues from time to time.

Budget Items	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Maintenance	0							0
Total	0							0

Capital Improvement Plan

FY 23 *thru* FY 27

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:** \$1,000,000
The current Annex meeting room is often too small for meetings. An at grade 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. Will seek a STEAP grant.

Justification
The community will need better space than the Annex can provide.

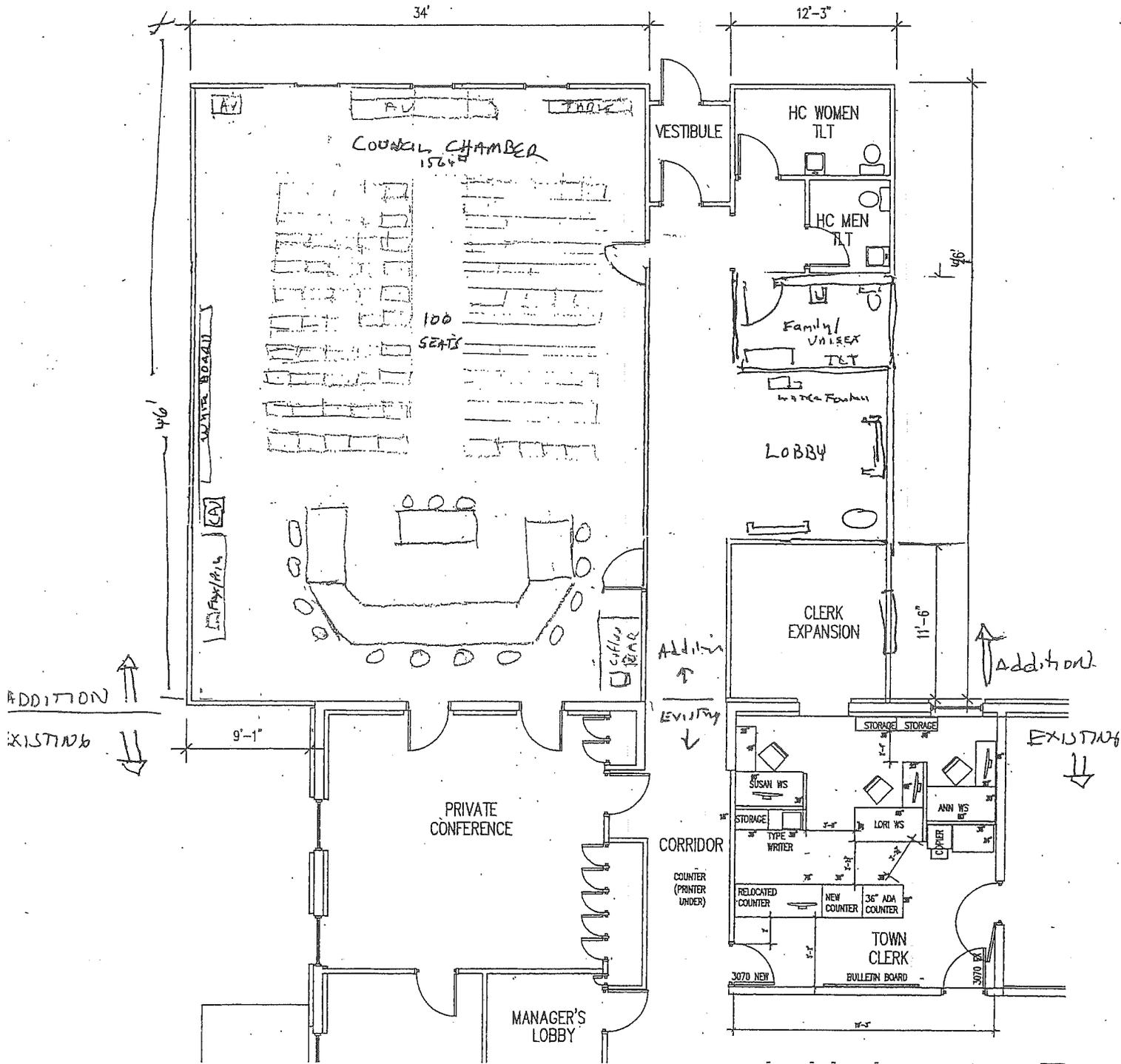
Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance						1,000,000		1,000,000
Total						1,000,000		1,000,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding						500,000		500,000
STEAP Grant						500,000		500,000
Total						1,000,000		1,000,000

Budget Impact/Other

PROPOSED TOWN HALL ADDITION - 46x52 = 2392^{sq}

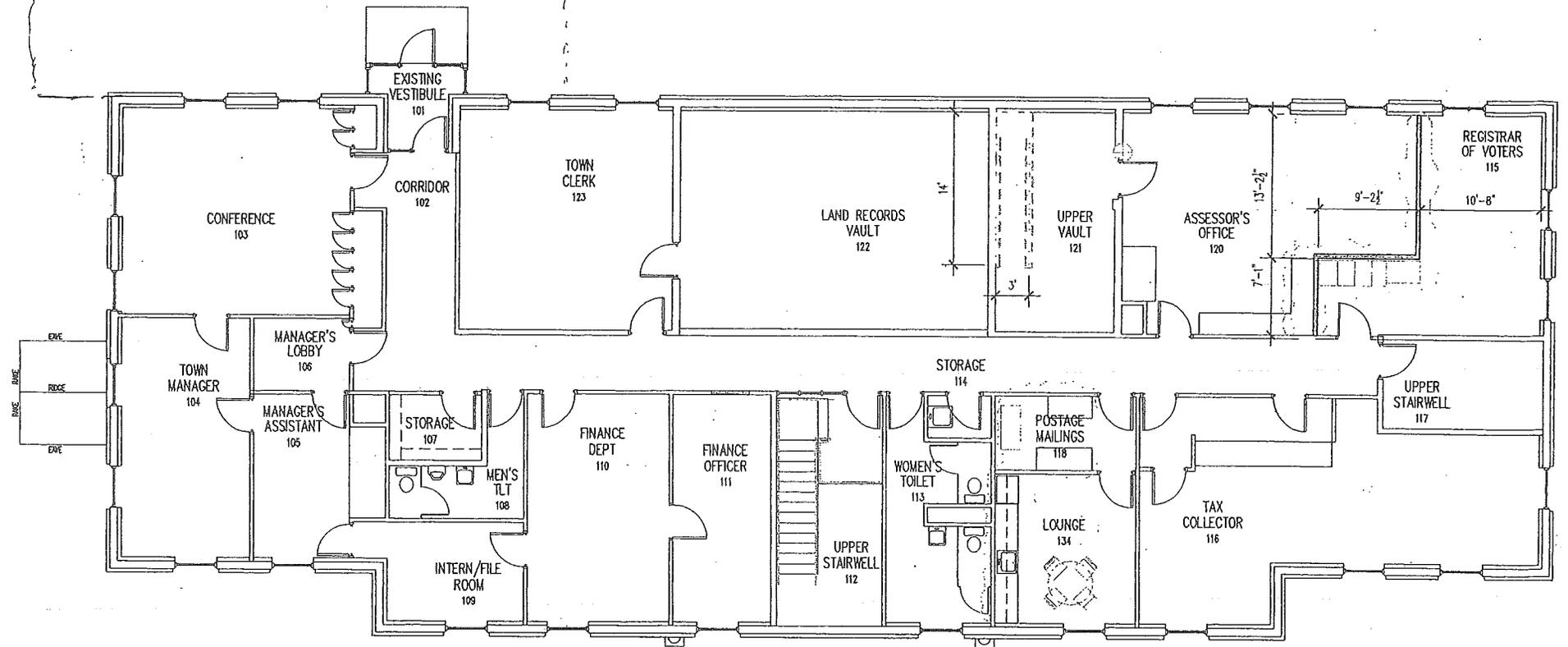
4-13



4-C

Proposed Addition

Existing Upper Level



1 Dimension Upper Floor Plan
 A1.2 1/8" = 1'-0"



Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

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:** \$143,000
 General repairs and enhancements to Town Hall.

Justification

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	133,000				10,000			143,000
Total	133,000				10,000			143,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	30,000							30,000
LOCIP	103,000				10,000			113,000
Total	133,000				10,000			143,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 14-GA-02
Project Name Water Tower



Type Improvement **Department** General Administration
Useful Life 25 years **Contact** Town Manager
Category Water **Priority** 3 Important

Description **Total Project Cost:** \$1,000,000
 CT Water has indicated a willingness to work with the town on enhancing water and fire protection by constructing a water tower to pressurize the system. Potential for future STEAP grant.
 Project may be done in conjunction with linking the village water district with the South St. district.

Justification
 Would enhance fire protecton and assure water availability. Will lower insurance rates and allow mixed use in the Village area by supporting sprinkler systems.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance						1,000,000		1,000,000
Total						1,000,000		1,000,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State/Federal Grant/Loan						1,000,000		1,000,000
Total						1,000,000		1,000,000

Budget Impact/Other
 Would need to purchase water, but no longer have any expenses related to system maintenance.

Capital Improvement Plan

FY 23 *thru* FY 27

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:** \$1,317,800

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 Chiefs vehicle is scheduled as the second vehicle.

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.4, totaling 55,269.

As of 11/23/2021 the mileage was:

1 CV (2021 Interceptor Utility hybrid)	11,812
2 CV (2020) Interceptor Utility hybrid)	40,000
3 CV (2018 Interceptor Utility)	98,023
4 CV (2021 Interceptor Utility hybrid)	20,392
5 CV (2019 Interceptor Utility)	60,572
Staff/Unmarked (16 interceptor)	126,095
Chief (2014 Taurus)	86,800
Detectives (2017 Ford Fusion)	38,707
Special Duty (2015 Interceptor) 1	58,228
CSO (2016 Ford 250)	42,532

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	584,800	100,500	57,500	115,000	57,500	57,500	345,000	1,317,800
Total	584,800	100,500	57,500	115,000	57,500	57,500	345,000	1,317,800

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	478,800	100,500	57,500	115,000	57,500	57,500	345,000	1,211,800
Lease Purchase	106,000							106,000
Total	584,800	100,500	57,500	115,000	57,500	57,500	345,000	1,317,800

Budget Impact/Other

Bu 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 warrantee. Older vehicles create more expense in the operating budget for parts and repairs.

MHQ, Inc
 401 Elm Street
 Marlborough, MA 01752

Ford Utility Interceptor 2021 CT Contract Pricing
 CT Contract 12PSX0194

Quotation

Quote Date: 11/12/2021
Sales Contact: Marc Sheehan
Contact Info: P: 860-788-6816
Email: msheehan@mhq.com
Customer: Coventry Police
Customer Contact: Sgt. Spadjinske
Address: 1585 Main Street
Phone: 860-531-3482
Email: jspadjinske@coventryct.com

Order	Code #	Description of Ford Options	Unit Price	
X	K8A	2022 Ford Utility Police Interceptor Base (K8A + 99W) with 3.3L V6 DI H	\$35,726.00	\$35,726.00
		2022 Ford Utility Police Interceptor Base (K8A+ 99B) with 3.3L V6 DI Eng	\$32,483.00	
		2022 Ford Utility Police Interceptor Base (K8A + 99C) with 3.0L V6 EcoB	\$36,492.10	
X	Ext Color	UM - Agate Black	Std	\$0.00
X	Int	9W - Front Cloth, Rear Vinyl	Std	\$0.00
X	153	License Plate Bracket	NC	\$0.00
X	549	Heated Mirrors	\$56.40	\$56.40
	593	Perimter Anti Theft Alarm	\$112.80	
	942	Daytime Running Lamps	\$42.30	
	16C	1st & 2nd Row Carpet Floor	\$117.50	
	16D	Badge Delete	NC	
	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	\$216.20	\$216.20
	21L	Front Warning Aux Light (Driver - Red, Pass - Blue) Req 60A	\$517.00	
	41H	Engine Block Heater	\$84.60	
	43A	Rear Aux Liftgate Lights	\$371.30	
X	43D	Dark Car Feature (Chime and Interior lights)	\$23.50	\$23.50
X	47A	Police Engine Idle Feature	\$244.40	\$244.40
	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)	\$394.80	\$394.80
	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	\$150.40	\$150.40
	52P	Hidden Door Lock Plunger	\$150.40	
	52T	Class III Trailer Tow Lighting Connection Package	\$75.20	
	55B/54Z	BLIS - Blind Spot Monitoring (includes Heated Mirrors)	\$512.30	
	55F	Remote Keyless Entry Key Fob	\$323.00	
X	59B	Keyed Alike - 1284X	\$47.00	\$47.00
	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	\$47.00	\$47.00
X	60R	Noise Suppression Bonds	\$94.00	\$94.00
X	63B	Side Maker Lights (aka Mirror Beams) Req. 60A	\$272.60	\$272.60
	63L	Rear Quarter Glass Side Marker Lights	\$540.50	
	63V	Cargo Storage Vault	\$230.30	

MHQ, Inc
 401 Elm Street
 Marlborough, MA 01752

Quotation

Quote Date: 11/12/2021
Sales Contact: Marc Sheehan
Contact Info: P: 860-788-6816
Email: msheehan@mhq.com

	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	\$841.30	\$841.30
	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	
	68B	Police Perimeter Alert	\$634.50	
	68G	Rear-Door Handles Controls Inoperable / Locks Inoperable	\$70.50	
X	76D	Deflector Plate	\$314.90	\$314.90
	76P	Pre-Collision Assist with Pedestrian Detection	\$136.30	
X	76R	Reverse Sensing	\$258.50	\$258.50
	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	
	96T	Rear Spoiler Traffic Warning Lights	\$1,405.30	
	96W	Front Interior Windshield Warning Lights (Red/Blue w TD)	\$1,076.30	
X	4415751	WeatherTech Floor Liners	\$125.00	\$125.00
		Total Per Vehicle		\$38,812.00
		Number of Vehicles	1	\$38,812.00

J&S Radio Sales Inc.

Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax

tony@jsradiosales.com

Quotation

Date	Quote #
5/10/2021	8138

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
		2021 Ford Police Interceptor		
1	Whelen	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, SA315P siren speaker, SAK66D Speaker bracket, C399K4 Canport cable & CanliteB photocell	3,338.30	3,338.30
4	Whelen	VTX609* 2-Clear, 2-Red LED hideaway for rear tail lights	77.00	308.00
4	Whelen	TLI* T-ION series LED light head for front lower fog light area and rear hatch area	95.00	380.00
2	Whelen	TLIM* Mini TION series LED light head for under license plate bracket area	85.00	170.00
1	Pro-Gard	P1000UINT20AOSB-W Single Compartment, Pro-Cell, 1/2 Partition, w/ Passenger Side Only Outboard Seat Belts. Includes: 1/2 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	2,575.80	2,575.80

Subtotal

Sales Tax (6.35%)

Total

Customer Approval:

J&S Radio Sales Inc.

Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax

tony@jsradiosales.com

Quotation

Date	Quote #
5/10/2021	8138

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

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

Qty	Item	Description	Terms	Rep
			Net 30	JL
			Price each	Total
1	Havis	SBX-1006 Large Modular Storage Drawer with No Lock	964.37	964.37
1	Havis	SBX-5004 Modular Storage Drawer Mount for 2020-2021 Ford Interceptor Utility	411.93	411.93
1	Havis	SBX-3001 Hinged Lid Drawer Topper with Medium-Duty Slam Latch	575.34	575.34
1	Havis	PROKIT-2 Adapter Kit for Pro-Gard Partition to Havis TTP or Storage Drawer Mount in 2020-2021 Ford Interceptor Utility	26.54	26.54
1	Havis	C-PM-106 Zebra printer mount	88.33	88.33
1	Misc	Santa Cruz Gun mount SC-917-5	279.00	279.00
1	Havis	CG-X Charge guard	89.10	89.10
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	457.00	457.00
1	NMOKH...	Larsen NMO Antenna Cable w/ N Connector	28.00	28.00
1	NMOKH...	Larsen NMO Antenna Cable w/ Connector	28.00	28.00
1	Misc	Fuse blocks, relays, wire & loom	100.00	100.00
2	Magneti...	Magnetic Microphone Holder	40.00	80.00
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

Subtotal

Sales Tax (6.35%)

Total

Customer Approval:

J&S Radio Sales Inc.

Willimantic, CT 06226
 860-456-2667
 860-456-4479 Fax

tony@jsradiosales.com

Quotation

Date	Quote #
5/10/2021	8138

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	Kenwood	KES-8S External speaker, 1-2way & 1-scanner	35.00	70.00
2	PCTEL	700/800mhz Antenna, 1-scanner 1-2way	45.00	90.00
1	Misc	Antenna Plus MDT antenna	275.00	275.00
1	Whelen	60CREGCS Red/White LED 6" Dome light - Rear cargo area	132.60	132.60
2	Misc	IP-PD-1824 Camera system antenna's for rear side window	35.00	70.00
1	Misc	Heavy duty velcro strap kit for Ram tool mount	32.00	32.00
1	Misc	Mounting hardware for Halligan tool mount & heavy duty velcro mounts	6.00	6.00
1	Setina	PB400 VS Aluminum bumper full for a Ford Interceptor Utility	449.00	449.00
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 2021 Ford Utility Interceptor	5,700.00	5,700.00

Subtotal		\$16,757.31
Sales Tax (6.35%)		\$0.00
Total		\$16,757.31

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>

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

Description: Interceptor Graphics Package

	Quantity	Price	Unit Price	Subtotal
1 Product: Design / Setup	1	\$56.95	\$56.95	\$56.95
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.

- 1 Files
- 30 min Setup Time Per File.
- 10 min Creative Design Time Per File.

	Quantity	Price	Unit Price	Subtotal
2 Product: Edge Prints	1	\$100.00	\$100.00	\$100.00
Description: Edge Print Black Foil on 3M 1725 Metallic Gold Adhesive Vinyl POLICE (Quantity 2 for Both Sets of Doors)				
• 1- 7.125 in (H) x 121 in (W) Edge Print(s) on 3M 7125 HP METAL 15"				
• Spot Black, Spot Frogskin Clear,				

	Quantity	Price	Unit Price	Subtotal
3 Product: RTA Cut Vinyl (Ready To Apply)	1	\$60.00	\$60.00	\$60.00
Description: Ready to Apply Cut 3M HP Black Vinyl Lettering Roof Number 5CV				
• 1- 24 in x 42 in				
• Vinyl Colors are 3M 7125 HP SOLIDS 48" Black 12				

	Quantity	Price	Unit Price	Subtotal
4 Product: RTA Cut Vinyl (Ready To Apply)	1	\$36.00	\$36.00	\$36.00
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)				
• 1- 8.5 in x 61.2 in				
• Vinyl Colors are VNL-NIK 48012-PRF-WHITE REF-15" x 50YD				
• Text: POLICE				
EMERGENCY				
911				



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

		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: / /

Gengras Ford, LLC

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



Quote Number: **21112008**

STATE CONTRACT NO: 19PSX0161

Make	MY	Model	Contract Price
Ford	2022	Explorer 4DR 4WD XLT (K8D)	\$ 32,541.00

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	C8	Stone Blue	\$ -
2	86	Unique Cloth - Ebony	\$ -
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	17U	Second Row Bench	\$ 165.00
9	65S	Ford Co-Pilot 360	\$ 995.00
10			\$ -
11			\$ -
12			\$ -
13			\$ -
14			\$ -
15			\$ -
16			\$ -
17			\$ -
18			\$ -
19			\$ -
20			\$ -
<i>Total Options per Contract Price (list price)</i>			\$ 4,900.00
<i>Total Factory Options Discount (6%)</i>			\$ (294.00)
<i>Total Options per Contract Price (net price)</i>			\$ 4,606.00

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>			\$ -
Total Net Aftermarket Options plus Total Labor			\$ -

Trade Allowance

Year	Make	VIN	Description / Mileage	Allowance
				\$ -
				\$ -
				\$ -
Total Trade in Allowance				\$ -

Comments:

Factory order. The current quoted order to delivery lead time is 20+ weeks ARO.

Additional fees / Charges		
State of CT Trade in Assessment (Note: Fee is payable to State of CT):		\$ -
Dealer Conveyance Fee (\$699.00)		\$ -
Registration Fee (estimated)		\$ -
DMV Inspection Fee (as required)		\$ -
Total Additional Fees		\$ -

Customer:	Town of Coventry
FIN Code:	QL297
VIN:	

Total (per unit)			\$ 37,147.00
Quantity	1	Grand Total (all)	
			\$ 37,147.00

J&S Radio Sales Inc.

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

Quotation

Date	Quote #
11/22/2021	8428

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

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

Qty	Item	Description	Terms	Rep
			Net 30	JL
			Price each	Total
1	Whelen	BSFW50Z FST DUO WecanX series inner edge Red & Blue/ White- Front **Promo Package**	2,849.00	2,849.00
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	117.65	235.30
2	Whelen	VTX609* Vertex LED hideaways 1-red/1-blue - rear tail lights	79.00	158.00
1	NMOKH...	Larsen NMO Antenna Cable w/ Connector	28.00	28.00
1	BMLPV...	760-870 MHz 4dBi Lo-Pro Black	45.00	45.00
1	Magneti...	Magnetic Microphone Holder	40.00	40.00

	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 #
11/22/2021	8428

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
4	Whelen	Sets of weatherproof connector kits for light heads	11.00	44.00
1	Misc	Fuse blocks, wire, loom & installation supplies	100.00	100.00
1	Labor	Remove PD radio from old Ford Taurus then install with above equipment into a new Ford Explorer XLT @ J&S Radio Sales	2,280.00	2,280.00

Subtotal		\$5,779.30
Sales Tax (6.35%)		\$0.00
Total		\$5,779.30

Customer Approval: _____

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 09-PS-04
Project Name Personal Protective Turn-out Gear



Type Equipment
Useful Life 5 years
Category Equipment

Department Public Safety
Contact Town Manager
Priority 2 Very Important

Description **Total Project Cost:** \$517,500
 On-going replacement of the Structural firefighting gear including G-extreme fire gear, hoods, boots, gloves and helmets. Currently \$2,500 per set.
 A one-time boost of \$40,000 is proposed from American Rescue Plan Funding.

Justification
 Personal protective equipment has a life span of 10 years. Personnel changes and aging gear require replacement for the protection of the personnel fighting fires.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	190,000	65,000	25,000	27,500	27,500	27,500	155,000	517,500
Total	190,000	65,000	25,000	27,500	27,500	27,500	155,000	517,500

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	190,000	25,000	25,000	27,500	27,500	27,500	155,000	477,500
State/Federal Grant/Loan		40,000						40,000
Total	190,000	65,000	25,000	27,500	27,500	27,500	155,000	517,500

Budget Impact/Other
 A one-time boost of \$40,000 is proposed from American Rescue Plan Funding.

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 09-PS-08
Project Name Radio Replacement/Enhancement



Type Equipment
Useful Life 20 years
Category Equipment - Communication
Department Public Safety
Contact Town Manager
Priority 2 Very Important

Description **Total Project Cost:** \$370,000

Replace and upgrade existing radio system on towers for Fire. Public Works and Police have migrated to State Police system. The regional fire dispatch is looking into this option.

Justification

After a study of alternatives it was decided to stay on the same frequencies and provide for more interoperability between bands. This will need to be evaluated by Tolland County dispatch given the capabilities of the State system.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	290,000	10,000	10,000	10,000	10,000	10,000	30,000	370,000
Total	290,000	10,000	10,000	10,000	10,000	10,000	30,000	370,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Lease Purchase	85,000							85,000
Tower Rental Income	205,000	10,000	10,000	10,000	10,000	10,000	30,000	285,000
Total	290,000	10,000	10,000	10,000	10,000	10,000	30,000	370,000

Budget Impact/Other

One additional remote tower location is needed in the Northeast corner. It will probably require payment of rent and utilities.

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 18-PS-01
Project Name Ambulance Replacement



Type Equipment
Useful Life 10 years
Category Vehicles - Fire Trucks
Department Public Safety
Contact Fire/EMS Administrator
Priority 1 Critical

Description **Total Project Cost:** \$1,110,000
 Replace ambulances on a schedule of 8 years.
 Anticipates \$62.5k annual contribution to the replacement account in the EMS fund should fund future purchase.

Justification
 With the Town taking over the EMS function we need to schedule for the timely replacement of ambulances. Ambulances have a useful life of approximately 8 years - this will establish a program where one ambulance is replaced every 4 years.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	435,000				325,000		350,000	1,110,000
Total	435,000				325,000		350,000	1,110,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
EMS Fund	435,000				325,000		350,000	1,110,000
Total	435,000				325,000		350,000	1,110,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	35,000		80,000					115,000
Total	35,000		80,000					115,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
EMS Fund	35,000							35,000
Lease Purchase			80,000					80,000
Total	35,000		80,000					115,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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
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.	
Plan calls retrofitting over two years starting in FY 2024.	

Justification
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.
Projects can proceed in steps as funds are available.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	100,000		75,000	75,000				250,000
Total	100,000		75,000	75,000				250,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Capital NonRecurring Fund	50,000							50,000
General Fund	50,000		75,000	75,000				200,000
Total	100,000		75,000	75,000				250,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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:** \$115,500
 Anticipated building maintenance:
 FY2023: AC replacements - dispatch, west side , booking/cell
 FY2026: Roof replacement
 AC replacement is proposed to be funded by American Rescue Plan funds.

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.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	10,000	75,500			30,000			115,500
Total	10,000	75,500			30,000			115,500

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	10,000				30,000			40,000
State/Federal Grant/Loan		75,500						75,500
Total	10,000	75,500			30,000			115,500

Budget Impact/Other
 Proposed to be funded by American Rescue Plan funds.



PROPOSAL

Mechanical Maintenance Co.

Lic. 396665

37 Sea Pave Road-South Windsor, Connecticut 06074

Tel: (860)528-9835 - Fax: (860)282-9240

QUOTE NUMBER 739-05-21

Proposal Submitted To Town of Coventry	Phone 860-208-9938	Date December 2, 2021
Street 1712 Main St.	Job Name AHU/Condensing Unit Replacement	
City, State and Zip Code Coventry CT 06238	Job Location Police Station Dispatch, 1585 Main Street	
Attention of: Kevin Roberto	Engineer Stephen Kofsuske	

Description of work to be performed:

Mechanical Maintenance will remove the aging HVAC unit serving the Police Dispatch Office. A new air handling unit of equal capacity along with duct transitions will be installed in the attic and a matching condensing unit installed outside in place of the existing unit (the existing refrigerant pipe and hydronic coil will remain) The system will be started and checked for proper operation for a cost of \$10,012.55.

Exclusions:

Permit Fees, Freight, Equipment price increases.

Payment Schedule

40 WITH ACCEPTANCE, 40 WHEN WORK STARTS, BALANCE AT SATISFACTORY COMPLETION

ANY ALTERATION OR DEVIATION FROM ABOVE SPECIFICATIONS INVOLVING EXTRA COSTS WILL BE EXECUTED ONLY UPON WRITTEN ORDERS, AND WILL BECOME AN EXTRA CHARGE OVER AND ABOVE THE ESTIMATE. IN THE EVENT BUYER FAILS TO PAY THE CASH BALANCE BUYER AGREES TO PAY IN ADDITION TO UNPAID BALANCE THE MAXIMUM INTEREST ALLOWABLE BY LAW ON THE UNPAID BALANCE. BUYER ALSO AGREES TO PAY ALL COSTS OF COLLECTING HIS PAST DUE ACCOUNT INCLUDING REASONABLE ATTORNEYS FEES. WE SHALL HAVE THE RIGHT TO ASSIGN THE PURCHASE CONTRACT WITHOUT NOTICE TO THE BUYER. WE SHALL ALSO HAVE THE RIGHT TO HIRE COMPETENT SUBCONTRACTORS TO PERFORM ANY OF OUR SERVICES UNDER THIS PURCHASE CONTRACT.

THIS PROPOSAL IS FIRM FOR 30 DAYS.

For Mechanical Maintenance

SIGNATURE

Stephen Kofsuske
Stephen Kofsuske
VP/Sales

ACCEPTANCE OF PROPOSAL – THE ABOVE PRICES, SPECIFICATIONS AND CONDITIONS ARE SATISFACTORY AND ARE HEREBY ACCEPTED, YOU ARE AUTHORIZED TO DO WORK AS HERE SPECIFIED. PAYMENT WILL BE MADE AS OUTLINED ABOVE.

For Town of Coventry

SIGNATURE _____

DATE OF ACCEPTANCE:

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 20-PS-03
Project Name Generator Replacement - CVFA Substation

Type Equipment
Useful Life 25 years
Category Equipment-generators
Department Public Safety
Contact Fire/EMS Administrator
Priority 2 Very Important

Description **Total Project Cost:** \$30,000

Fire house generator - 15kW to power the sub station in times of power outages.
Proposed use of American Rescue Plan funds.

Justification

The current generator has exceeded its life expectancy. The current generator is rated at approximately 12kW.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		30,000						30,000
Total		30,000						30,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State/Federal Grant/Loan		30,000						30,000
Total		30,000						30,000

Budget Impact/Other

Proposed use of American Rescue Plan funds.

James McLoughlin

From: Tom Tracy <tomt@towergenerator.com>
Sent: Thursday, December 2, 2021 2:46 PM
To: James McLoughlin
Subject: RE: [EXTERNAL] Coventry Fire station back up power.

Hello Jim,

Below is a project scope and budgetary numbers for submission. Please review and let me know if you have any concerns / questions or need it formatted differently.

Cummins C25 N6, Level I, 120/240 Volt, 1 Phase generator, NFPA 110 Compliant
ASCO 300 Series, 200 Amp, 120/240 Volt, 1 Phase transfer switch, NFPA 110 Compliant
All sitework
Removal of old generator
Modification of concrete pad
Electrical Installation
Complete Propane Installation
Bring any open code compliant issue up to code
Remote Annunciator
Load Bank Test
Cummins Authorized startup Service

Budget of \$27,000 - \$31,000

Kind regards,

Tom Tracy
General Manager
Tower Generator
20A Canton Springs Road
Canton, CT 06019-2411
Phone-860-693-8554
Fax-860-693-6825



Connecticut's Generator Specialists™



From: James McLoughlin <jmcloughlin@coventryct.org>
Sent: Wednesday, December 1, 2021 5:06 PM

Capital Improvement Plan

FY 23 *thru* FY 27

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

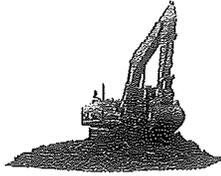
Description	Total Project Cost: \$20,000
Fire ponds need maintenance due to weed intrusion and plumbing leaks. Also need to add additional resources for emergency water supply.	
Rt 44 fire pond \$4,500	
Boat launch repair and other loactions \$5,500	

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 over insurance rates for surrounding properties.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance		10,000					10,000	20,000
Total		10,000					10,000	20,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	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

To : Town of Coventry

Coventry Fire and EMS

Coventry CT

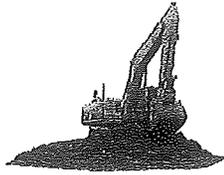
Attn: Jim McLoughlin

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	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	\$ 2,200.00	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	\$ 300.00	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	\$ 300.00	subtotal
Town to:		
Procure wetland permit		
Clear brush away from Dry Hydrant connection		



EARTH DYNAMICS

116 Sean Circle, Coventry, CT 06238

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)	\$ 1,600.00	subtotal
Town to Procure all necessary permits		
Total Price for above listed repairs	\$ 4,400.00	total

Assumptions/Exclusions

All permits and work plans by Town

If additional issues are encountered Earth Dynamics to contact Jim M

AVG \$1100/ea 2019
2% 1122 2020
5% 1178 2021
5% 1237 2022

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

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

Type Equipment
Useful Life 10 years
Category Equipment

Department Public Safety
Contact Fire/EMS Administrator
Priority 2 Very Important



Description **Total Project Cost:** \$202,000

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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	15,000	20,000	20,000	22,000	22,000	24,000	79,000	202,000
Total	15,000	20,000	20,000	22,000	22,000	24,000	79,000	202,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	15,000	20,000	20,000	22,000	22,000	24,000	79,000	202,000
Total	15,000	20,000	20,000	22,000	22,000	24,000	79,000	202,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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: \$40,000
Purchase and replace special operations equipment including airbags, rescue tools, dive team equipment, hydraulic tools, pumps and hoses.	
FY23 funding proposed to be funded by American Rescue Plan Funds.	

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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		20,000	20,000					40,000
Total		20,000	20,000					40,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund			20,000					20,000
State/Federal Grant/Loan		20,000						20,000
Total		20,000	20,000					40,000

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: 54797

12-01-2021 - 03:31:10 PM

TOWN OF COVENTRY FIRE DEPARTMENT-22331141

Sales Person: Donna C-3365064

1712 MAIN ST

Estimated Date: N/A

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	350.00	DuoTherm 300 Jumpsuit- XL 207565/ AJV11540 Size:XL Color:BLACK	R	No	Product	350.00
1	98.00	Xm450 Socks 303155/ AJV11860 Size:XL Color:BLACK	R	No	Product	98.00

Customer PO. Number: PURCHASE ORDER REQUIRED

Sub Total	\$3662.00
Taxable Amount	\$0.00
Sales Tax	\$0.00
Total after tax	\$3662.00
You Saved	\$0.00
Total Amount	\$3662.00

Quote Notes

Custom Made-to-Measure DUI Public Safety TLS 350 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 8 weeks.

THIS QUOTE IS BASED ON 2021 PRICING. SOME ITEMS MAY BE SUBJECT TO AN APPROXIMATE INCREASE OF 5% FROM THE MANUFACTURER IN 2022.

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!

+5%
3850
x5
19,250

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-PW-01
Project Name Large Dump Replacement

Type Equipment
Useful Life 10 years
Category Vehicles - Construction
Department Public Works
Contact Public Works Director
Priority 1 Critical



Description **Total Project Cost:** \$3,509,300
 Replacement of our large dump trucks on a 10 to 12 year cycle.
 CV09 is a 2012 International Dump Truck. Its one of our front line trucks used for snow removal construction and maintenance projects.
 Price includes body, plow, and two-way radio system.
 Have DERA grant pending so this was delayed one year.

Justification
 Vehicle has reached end of service. We currently have nine front line large dumps with an average life of 10 years as a first attack vehicle and several years as a back-up spare. We need to replace a minimum of one large dump every other year with some consecutive years.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	1,258,500		223,300	230,000	236,900	244,000	1,316,600	3,509,300
Total	1,258,500		223,300	230,000	236,900	244,000	1,316,600	3,509,300

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Land Acquisition Fund							270,000	270,000
Lease Purchase	1,208,500		223,300	230,000	236,900	244,000	1,046,600	3,189,300
State/Federal Grant/Loan	50,000							50,000
Total	1,258,500		223,300	230,000	236,900	244,000	1,316,600	3,509,300

Budget Impact/Other
 New equipment should require less repairs.

Capital Improvement Plan

FY 23 *thru* FY 27

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: \$24,966,000
<p>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.</p> <p>A road bond is planned for 2023 to reconstruct the Pilgram Hills neighborhood in conjunction with water main replacements. We also hope to be awarded State/local bridge grants which will cover 50% of the cost to replace culverts on Parker Bridge Road and Bunker Hill Road, or potentially LOTCIP grants for 100% of construction.</p> <p>Focus will also be on the roads indentified in recent road survey</p>	

Justification
<p>If roads are not maintained more costly alternatives are required.</p> <p>The concept is to include major reconstruction, paving of certain dirt roads taken over from lake associations, and some safety improvements.</p>

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	12,566,000	3,600,000	700,000	850,000	900,000	950,000	5,400,000	24,966,000
Total	12,566,000	3,600,000	700,000	850,000	900,000	950,000	5,400,000	24,966,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding	5,500,000	3,000,000						8,500,000
General Fund	3,907,000	300,000	300,000	560,000	610,000	660,000	4,530,000	10,867,000
State/Federal Grant/Loan	3,159,000	300,000	400,000	290,000	290,000	290,000	870,000	5,599,000
Total	12,566,000	3,600,000	700,000	850,000	900,000	950,000	5,400,000	24,966,000

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

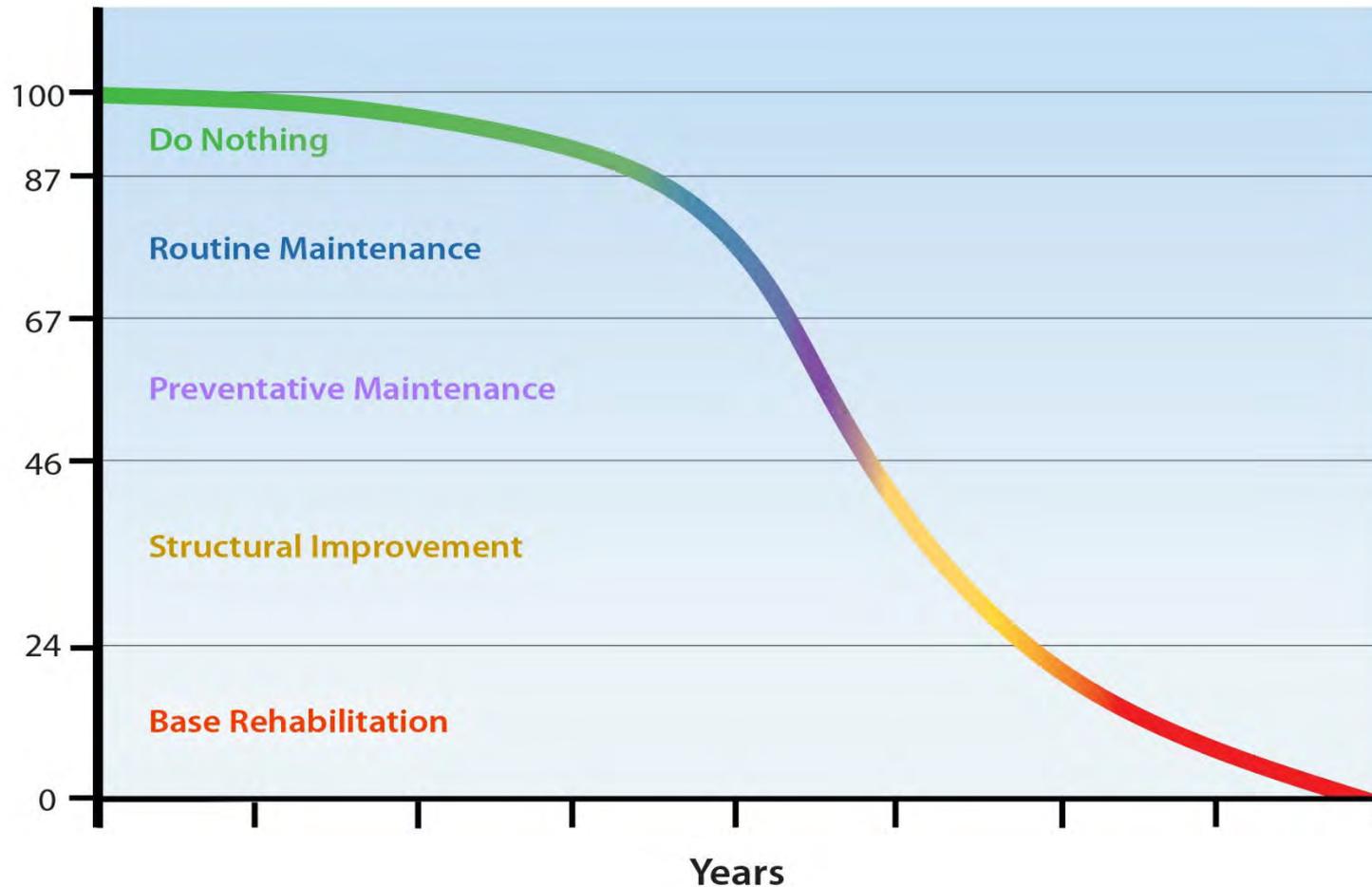
3 Recommendations & Questions

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

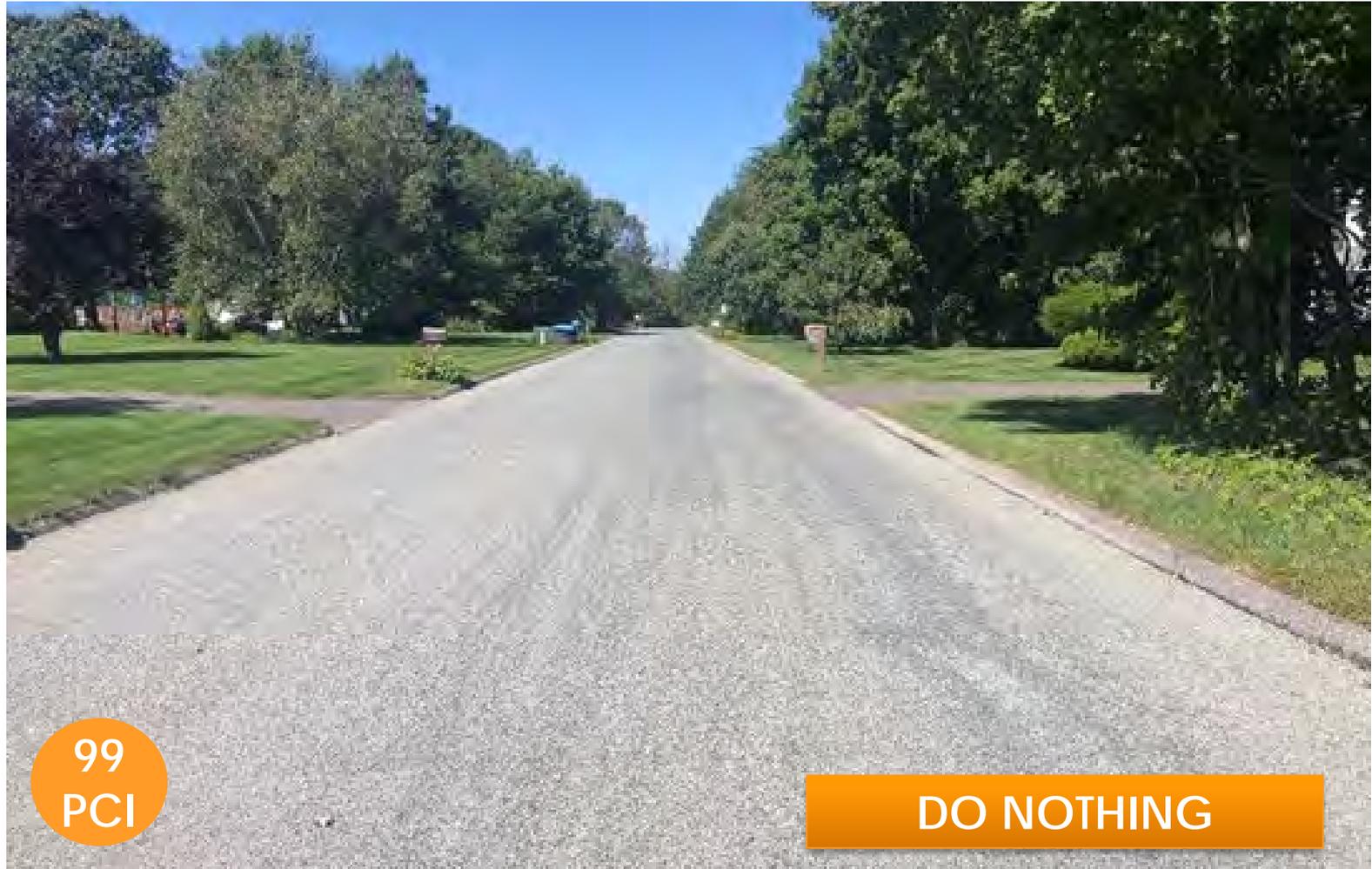
Pavement Management Philosophy

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

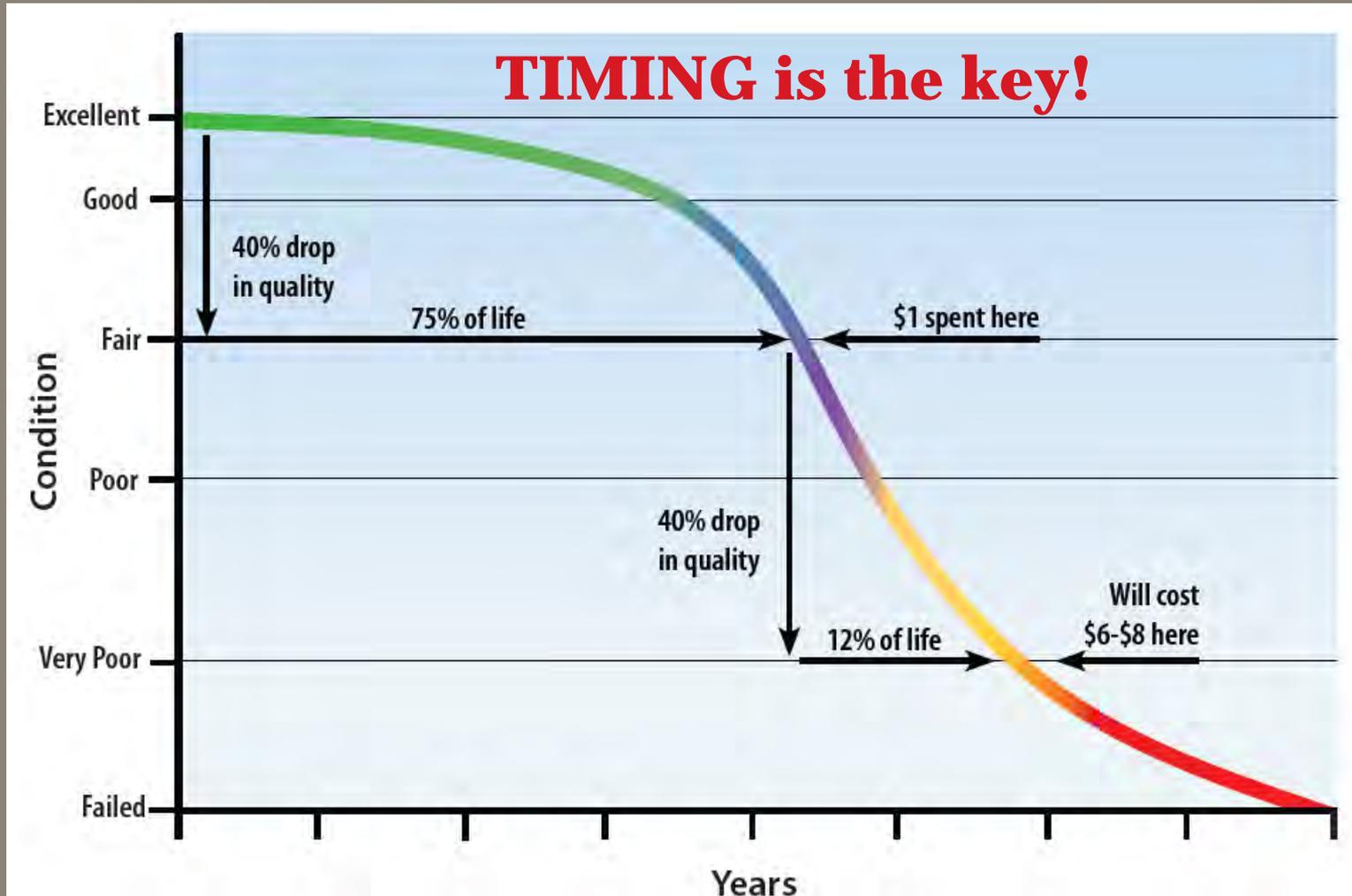


75
PCI

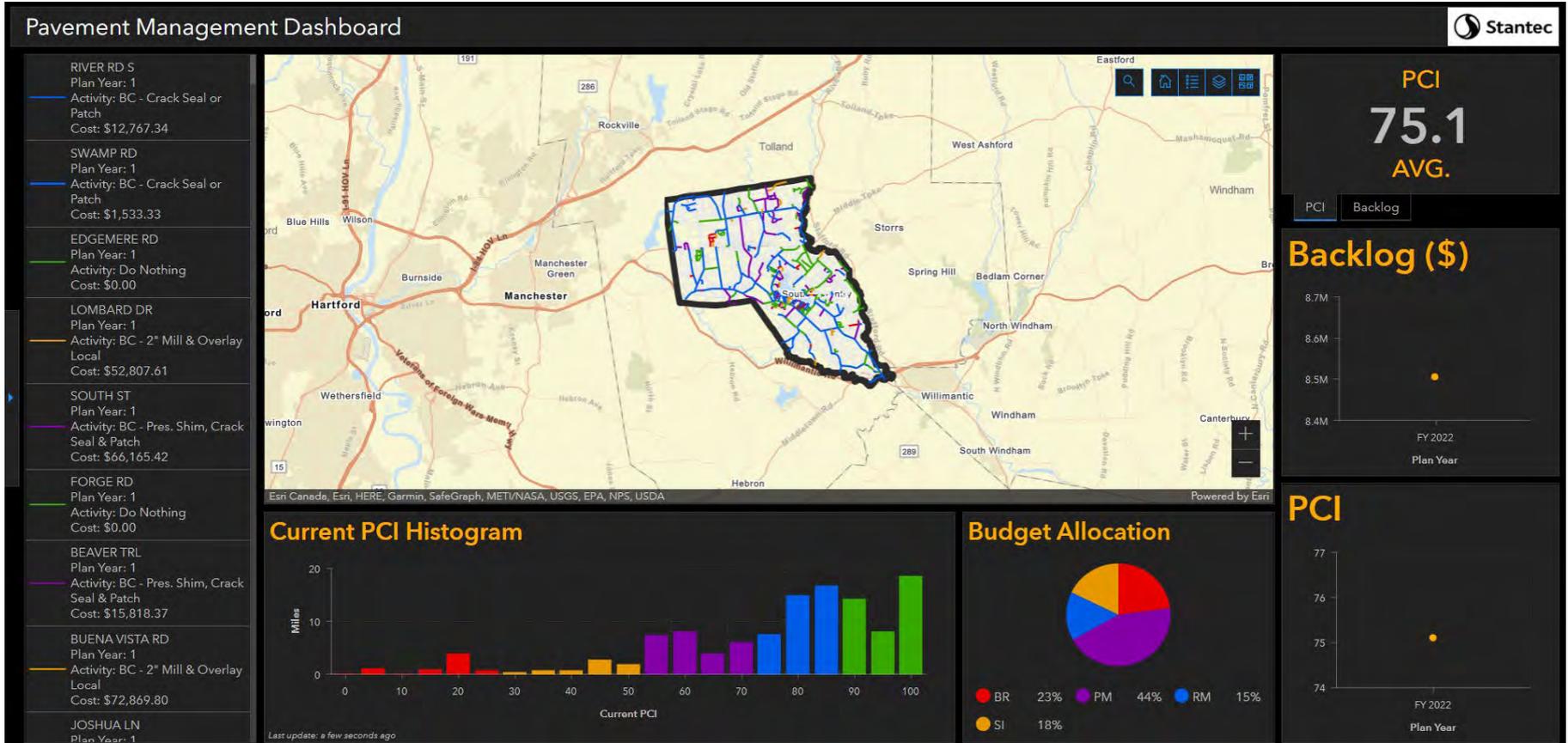
TOWN AVERAGE PCI

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

July 16, 2021

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

Re: **Preliminary Application for State Local Bridge
Program Funding for FY2022**

Replacement of Bridge No. 032013 Bunker Hill Road
over Rufus Brook
Coventry, Connecticut
NLJA #05190085

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 the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook for funding in the State Local Bridge Program 2022 fiscal year:

1. Executed "Preliminary Application for the Local Bridge Program" for fiscal year 2022; 2021 form used as it is the most current available.

Attachment A:

1. "Bridge Inspection Report for Bunker Hill Road over Rufus Brook, Town of Coventry, Connecticut", dated 03-03-2021, prepared by this office.

Attachment B:

1. "Conceptual Design Drawings for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut".
2. "Outline Specifications for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut".

Attachment C:

1. "Preliminary Engineering Fees for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut".

Mr. Francisco T. Fadul, P.E.

Project Engineer for the Local Bridge Program

Connecticut Department of Transportation

Re: **Preliminary Application for State Local Bridge Program Funding for FY2022**

Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook

Coventry, CT

July 16, 2021

Page 2 of 4

Attachment D:

1. "2021 Conceptual Design Opinion for Probable Construction Costs for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut".

Attachment E:

1. "Existing conditions photos for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut".

Existing Bridge

The Bunker Hill Road bridge is located approximately 6,260' west of South Street (bridge location: lat. 41.744494, long. -72.324852). The bridge carries Bunker Hill Road over Rufus Brook in a generally west-east orientation. The bridge is a single span structure consisting of one 15' span x 6' rise box culvert with masonry block wingwalls upstream and downstream. The structure length is approximately 15 ft. measured along the roadway centerline. There is no record of average daily traffic (ADT) count for Bunker Hill Road, however, a 1991 Bridge Inspection Report (BIR) estimated 200 ADT. The December 31, 2018 CTDOT Functional classification Map shows Bunker Hill Road as a rural local road.

According to the BIR in Attachment A, the construction date of the bridge is estimated to be 1955, and it appears has not been rehabilitated. The BIR indicates that the channels & channel protection and culvert are rated 4 and 3, respectively; the structure evaluation is rated 3, and scour critical is rated 6. As a result, the structure is deemed to be in serious condition.

Bunker Hill Road bituminous pavement has minor longitudinal and transverse cracking, along with a 4' (longitudinal) by 2' (transverse) fully eroded section of the roadway and embankment on the southwest corner. There are no roadway guiderails.

Proposed Bridge

It is proposed to remove the existing 15' span x 6' rise culvert and replace it with a new precast concrete rigid frame designed for HL-93 live loading with wingwalls on spread footings. The proposed culvert will consist of a 26 LF clear span x 6 ft. ± rise (based on preliminary calculations; actual span to be determined by hydraulic calculations) precast concrete rigid frame, approximately 28 ft.± long. This is an

Mr. Francisco T. Fadul, P.E.

Project Engineer for the Local Bridge Program

Connecticut Department of Transportation

Re: **Preliminary Application for State Local Bridge Program Funding for FY2022**

Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook

Coventry, CT

July 16, 2021

Page 3 of 4

open bottom structure. The roadway will include two 13 ft. wide travel lanes, and no sidewalk. The roadway will be closed for the construction.

The structure will include bridge rail. Code compliant metal beam rail (R-B MASH) system will be installed terminating at concrete end walls and anchors.

During construction, a stormwater pollution control plan including sedimentation and erosion control measures will be required. 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.

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 \$1,455,400.00. 50% or \$727,700.00 would be available as a financial grant under the State Local Bridge Program; the Town of Coventry would fund the remaining 50%.

Mr. Francisco T. Fadul, P.E.
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for State Local Bridge Program Funding for FY2022**

Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook
Coventry, CT

July 16, 2021

Page 4 of 4

If there are any questions, feel free to contact me.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES, INC.

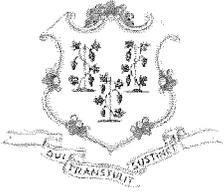
Matthew D. Carroll

MDC/mdc

End.

cc: Todd M. Penney, P.E., w/encl.
J. Howard Pfrommer, P.E., w/encl.
DocStar

L:\05190085 Bunker\SLBP\1. 07-16-2021 Fadul.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 Fiscal Year **2021** for the following structure:

Bridge Location: Bunker Hill Road over Rufus Brook
Bridge Number: 032013 Structure Length: 15.0 feet Curb-to-Curb Width: 23.2 feet
Sufficiency Rating: % Priority Rating: %

Evaluation & Rating Performed by: State Forces Others

If Others, Name of Professional Engineer: J. Howard Pfrommer, P.E.
Connecticut Professional Engineers License Number: 15871
Engineering Firm: Nathan L. Jacobson & Associates, Inc.
Engineer's Address: 86 Main Street, Chester, CT 06412
Engineer's E-mail Address: hpfrommer@nlja.com

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: 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:	<u>04/05/2022</u>
Design Completion:	<u>01/31/2023</u>
Property Acquisition Completion:	<u>01/31/2023</u>
Utilities Coordination Completion:	<u>01/31/2023</u>
Construction Advertising:	<u>03/07/2023</u>
Supplemental Application Submission:	<u>01/31/2023</u>
<small>(Not applicable for Federal Local Bridge Program Projects)</small>	
Start of Construction:	<u>06/01/2023</u>
Completion of Construction:	<u>09/28/2023</u>

Local Bridge Program – FY 2021 Preliminary Application

Bridge Number 032013, Town/City/Borough of Coventry

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees)	\$ <u>155,400.00</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>1,036,000.00</u>
Construction Engineering (Inspection, Materials Testing)	\$ <u>155,400.00</u>
Contingencies (10% of Construction Costs Only)	\$ <u>103,600.00</u>
Total Estimated Project Cost	\$ <u>1,455,400.00</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 \$ _____

State Local Bridge Project Grant: *(Cannot be combined with Federal reimbursement)*
 Total Estimated Project Cost multiplied by 50%:
 Project Grant Request: \$ 727,700.00

Other Source of State or Federal funding received/applied for: \$ 0.00, State/Federal 0
 Funding program: N/A

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 2021.

Signature: _____ Date: _____

Name: _____ Title: _____
 (Must be signed by Chief Elected Official, Town Manager, or other Officer Duly Authorized)

Submit application by email to Francisco.Fadul@ct.gov

ATTACHMENT A

Attached 03-03-2021 *Bridge Inspection Report* for Bunker Hill Road over Rufus Brook, Coventry, Connecticut:

Bridge Inspection Report Pages 1 to 17

BRIDGE NO. 032013

17800 - COVENTRY
BUNKER HILL ROAD
over
RUFUS BROOK

Interim Inspection

03-03-2021

Inspected by: Nathan L. Jacobson & Associates, Inc.



CONTENTS

EXECUTIVE SUMMARY

LOCATION MAP

BRI-18 BRIDGE INSPECTION REPORT

RATING DESCRIPTION

BRI-19 STRUCTURE INVENTORY

PHOTO SHEETS

ATTACHMENT: PLAN, ELEVATION & CROSS SECTION SKETCH

PAGE(S)

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2

3 - 9

10

11 - 12

13 - 17

1 OF 1

**Bunker Hill Road over Rufus Brook
Bridge No. 032013
Town of Coventry, Connecticut**

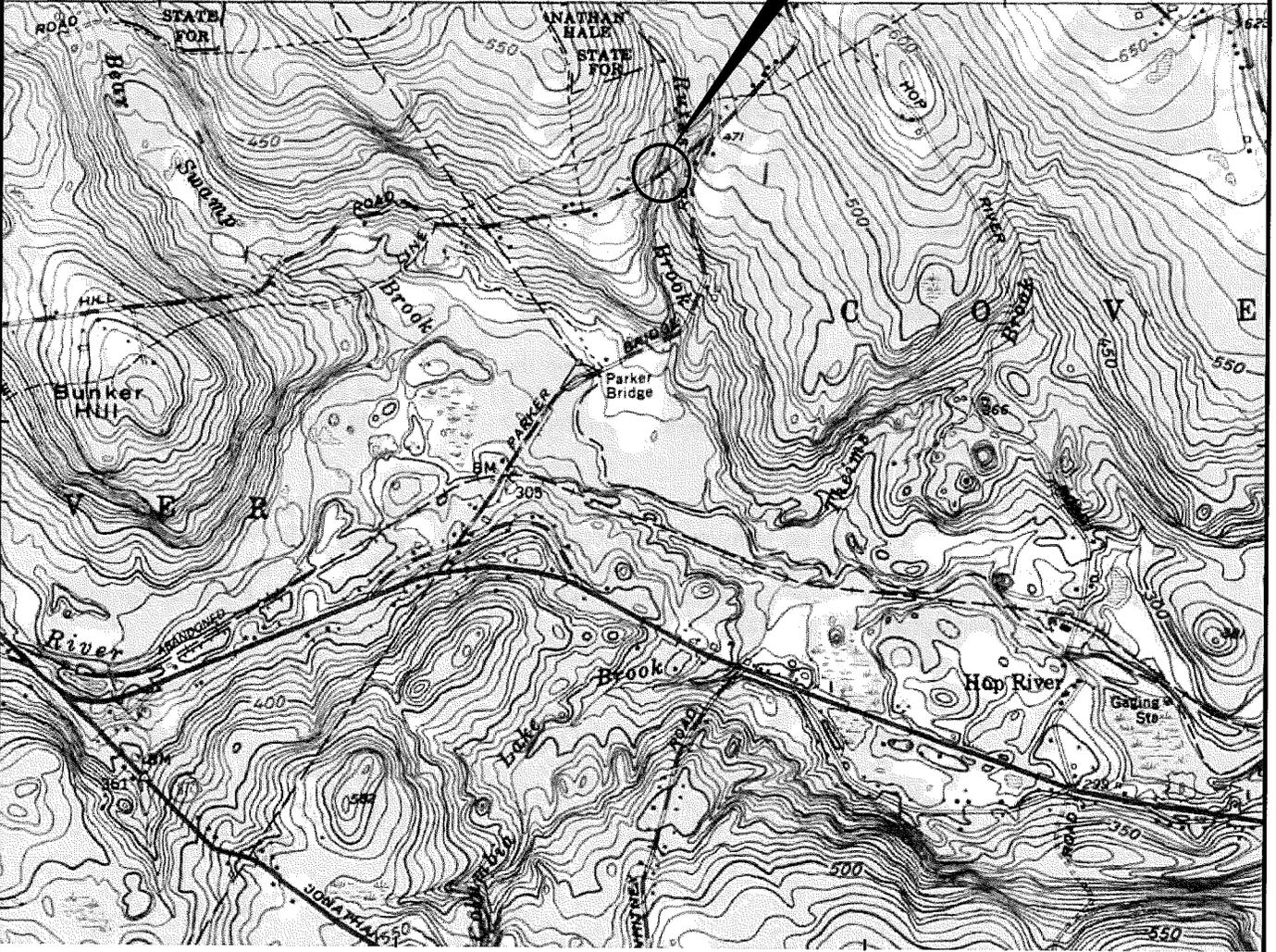
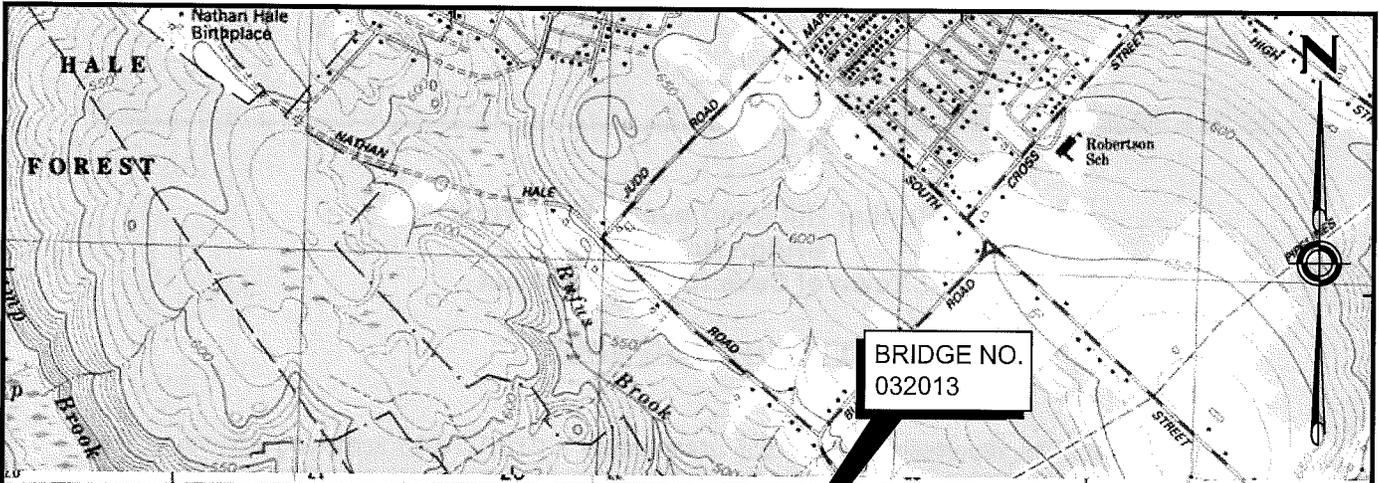
EXECUTIVE SUMMARY

Bridge No. 032013 was reportedly built in 1955 according to a CTDOT 2016 Screening Inventory. The subject culvert carries Bunker Hill Road over Rufus Brook in a generally east/west direction. The Brook generally flows north to south at the crossing. The culvert is located approximately 6,260' west of South Street, beneath a two-lane paved roadway that is approximately 23'-2" wide over the culvert barrel. See Location Map on next page. The culvert consists of a 15' span x 6' rise box culvert with cast-in-place roof and floor slabs, with stone masonry walls. Downstream southeast wingwall and upstream northeast wingwall are constructed of stone masonry. The upstream northwest wingwall is cast-in-place concrete. There is no southwest wingwall. There are concrete parapets, but no roadway guide rails.

The culvert is in **serious** condition. The 15' span x 6' rise box culvert has considerable deficiencies such as, but not limited to, loss of section and spalling exposing 3" ± size rounded aggregates, efflorescence, and exposed steel beams in box roof with varying deterioration such as surface and laminar rust. There is no southwest wingwall (see "approach roadway" below).

The structure evaluation is in **serious** condition. As per the Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges Item 67 – Structural Evaluation, the condition rating is based on "the lowest of the codes obtained from Item 62 – Culverts", in this case a rating of three (3).

The approach roadway is in **poor** condition with a bituminous pavement surface showing minor distresses such as, but not limited to, transverse and longitudinal cracking, and a 100% loss of section area at southwest corner of the structure effectively eliminating 4'± of linear road edge and 2' of road width. Approximate 2' tall concrete parapets with blunt ends delineate the road edge at the crossing. No roadside traffic safety features are in place.



- REFERENCE:
 1. U.S.G.S. COLUMBIA CONNECTICUT QUADRANGLE.
 2. U.S.G.S. COVENTRY CONNECTICUT QUADRANGLE.

Date: MAY 2021	Contract No. 05190085	Scale: 1"=2,000'	2 OF 17
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BRIDGE NO. 032013
 BUNKER HILL ROAD OVER RUFUS BROOK
 COVENTRY, CONNECTICUT

LOCATION MAP



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

Nathan L. Jacobson & Associates, Inc.
 Consulting Civil and Environmental Engineers Since 1972
 Bridge Inspection Report BRI-18

BRIDGE#: 032013		INSPECTION DATE: 3/3/2021	
INSPECTION TYPE: Interim Condition	PREVIOUS INSPECTION DATE: 2/26/1991	SNOOPER REQUIRED: No	
INSPECTION PERFORMED BY: NLJ&A		SNOOPER USED: No	
TOWN: Coventry	FEATURE CARRIED: Bunker Hill Road	YEAR BUILT: 1855 Est.	
LOCATION: 6,260' west of South Street	FEATURE INTERSECTED: Rufus Brook	YEAR REBUILT:	
MAIN MATERIAL: Concrete	MAIN DESIGN: Culvert		

INSPECTION VISITS:		INSPECTORS:	
Inspection Date: 3/3/2021	Start Time: 1:00 PM	Inspector: H. Pfrommer	Task: Engineer-Lead Inspector
Temperature: 47°F	End Time: 2:00 PM	Inspector: M. Carroll	Task: Inspector

58. DECK **OVERALL RATING** N

As per Connecticut Bridge Inspection Manual section 10.1, "For integral superstructure bridges where the approach pavement is carried across the bridge on top of fill material, such as filled arches, frames or culverts, there is no deck and the overall rating will be "N".

	Rating	
OVERLAY	4	Bituminous pavement with chip seal coating generally in fair condition, however, a 4' long x 2' wide section of road edge adjacent to the southwest structure corner and parapet has eroded away with the road embankment due to lack of wingwall.
DECK STR. CONDITION	N	
CURBS	N	
MEDIAN	N	
SIDEWALKS	N	
PARAPET	N	
RAILING	N	
PAINT	N	
FENCE	N	
DRAINS	N	
LIGHTING STANDARD	N	
UTILITIES TYPE/SIZE	N	
CONSTRUCTION JOINTS	N	
EXPANSION JOINTS	N	

59. SUPERSTRUCTURE

OVERALL RATING

Rating

BEARING DEVICES	<input type="text" value="N"/>	
STRINGERS	<input type="text" value="N"/>	
GIRDERS	<input type="text" value="N"/>	
FLOOR BEAMS	<input type="text" value="N"/>	
TRUSSES - GENERAL	<input type="text" value="N"/>	
TRUSSES - PORTALS	<input type="text" value="N"/>	
TRUSSES - BRACING	<input type="text" value="N"/>	
PAINT	<input type="text" value="N"/>	
RUST	<input type="text" value="N"/>	
MACHINERY MOV SPAN	<input type="text" value="N"/>	
RIVETS & BOLTS	<input type="text" value="N"/>	
WELDS & CRACKS	<input type="text" value="N"/>	
TIMBER DECAY	<input type="text" value="N"/>	
CONCRETE CRACKING	<input type="text" value="N"/>	
COLLISION DAMAGE	<input type="text" value="N"/>	
MEMBER ALIGNMENT	<input type="text" value="N"/>	
DEFLECT. UNDER LOAD	<input type="text" value="N"/>	
VIBR. UNDER LOAD	<input type="text" value="N"/>	
STAND PIPES	<input type="text" value="N"/>	
BARREL LADDERS	<input type="text" value="N"/>	

60. SUBSTRUCTURE

OVERALL RATING

Rating

ABUTMENTS-STEM	<input type="text" value="N"/>	<input type="text"/>
ABUTMENTS-BACKWALL	<input type="text" value="N"/>	<input type="text"/>
ABUTMENTS-FOOTING	<input type="text" value="N"/>	<input type="text"/>
ABUT.-SETTLEMENT	<input type="text" value="N"/>	<input type="text"/>
ABUTMENT-WINGWALLS	<input type="text" value="N"/>	<input type="text"/>
PIERS/BENTS-CAPS	<input type="text" value="N"/>	<input type="text"/>
PIERS/BENTS-PILE BENT	<input type="text" value="N"/>	<input type="text"/>
PIERS/BENTS-COLUMN	<input type="text" value="N"/>	<input type="text"/>
PIERS/BENTS-FOOTINGS	<input type="text" value="N"/>	<input type="text"/>
PIERS/BENTS-SETTLEMENT	<input type="text" value="N"/>	<input type="text"/>
EROSION-SCOUR	<input type="text" value="N"/>	<input type="text"/>
CONCRETE CRACK-SPALL	<input type="text" value="N"/>	<input type="text"/>
STEEL CORROSION	<input type="text" value="N"/>	<input type="text"/>
PAINT	<input type="text" value="N"/>	<input type="text"/>
TIMBER DECAY	<input type="text" value="N"/>	<input type="text"/>
COLLISION DAMAGE	<input type="text" value="N"/>	<input type="text"/>
DEBRIS	<input type="text" value="N"/>	<input type="text"/>

61. CHANNEL & CHANNEL PROTECTION

Rufus Brook

OVERALL RATING **4**

Rating

CHANNEL SCOUR	6	1' deep scour hole at outlet just beyond concrete slab.
EMBANKMENT EROSION	4	Minor erosion of channel banks observed upstream. Major erosion observed on southwest embankment adjacent to structure where a wingwall does not exist.
DEBRIS	7	Minor debris observed in the channel during the inspection.
VEGETATION	6	Well established woody vegetation growth on channel banks observed.
CHANNEL CHANGE	6	Downstream channel is 6'± wider than upstream channel.
FENDER SYSTEM	N	
SPUR DIKES & JETTIES	N	
RIP RAP	5	Some modified rip rap along short distance of downstream west channel bank, but has settled mostly at the waterline due to bank steepness.

62. CULVERT & RETAINING WALL

15' Span x 6' Rise Box Culvert with cast-in-place concrete roof and floor slabs

OVERALL RATING **3**

Rating

BARREL	4	Barrel length is approximately 25'-2" with concrete roof showing considerable spalling, loss of section, efflorescence, and exposed 3"± size rounded aggregate. Barrel floor is concrete with rough surface. Barrel walls are constructed with mortared stone masonry and appear to be in good condition.
CONCRETE	4	Box culvert and one wingwall with spalling, loss of section, moderate to major deterioration. Considerable efflorescence from box ceiling
STEEL	5	Exposed steel beams in box roof with varying stages of deterioration from surface to laminar rust.
TIMBER	N	None
HEADWALL	3	Approximately 2' high x 1' thick parapets with moderate to major spalling exposing 3"± size rounded aggregate. Upstream parapet exhibits wide and deep severe cracking on all surfaces.
CUTOFF WALL	N	Unable to observe, therefore, no rating is applied.
DEBRIS	8	No woody debris observed within the barrel at the time of inspection.
RETAINING WALL SYSTEM	3	Two of three wingwalls are constructed with mortared stone masonry; one wingwall is concrete, and no wingwall exists at the southwest structure corner. Stone masonry wingwalls have missing or dislodged stones. The concrete wingwall has moderate spalling at the waterline and top of wall.
FOOTING	N	None observed at the time of the inspection, therefore, no rating is applied.

APPROACH CONDITION

Rating

OVERALL RATING

4

APPROACH SLAB

N

RELIEF JOINTS

N

APPROACH GUIDE RAIL

N

APPROACH PAVEMENT

7

Bituminous pavement generally in good condition.

APPROACH EMBANKMENT

7

Approach embankments mostly vegetated. Northwest embankment eroded directly behind wingwall and has been stabilized with varying size rocks.

TRAFFIC SAFETY FEATURES

BRIDGE RAILINGS

N

None. Traffic safety features not provided.

TRANSITIONS

N

None. Traffic safety features not provided.

APPROACH GUARDRAIL

N

None. Traffic safety features not provided.

APPR. GUARDRAIL ENDS

N

None. Traffic safety features not provided.

LOAD POSTING

SINGLE UNIT (TONS)

HS (TONS)

4 AXLE (TONS)

3S2 (TONS)

ADVANCE WARNING Y/N

LEGIBILITY

VISIBILITY/LOCATION

MISC.

MIN. VERT. UNDERCLR.	<input type="text"/>	<input type="text"/>	<input type="text"/>
POSTED CLR. UNDER BRIDGE	<input type="text"/>	<input type="text"/>	<input type="text"/>
POSTED CLR. ON BRIDGE	<input type="text"/>	<input type="text"/>	<input type="text"/>
ADVANCE WARNING (Y/N)	<input type="text"/>	<input type="text"/>	
SPEED LIMIT (IF ANY)	<input type="text" value="25"/>	MPH	<input type="text" value="Posted"/>
CHARACTER OF TRAFFIC	<input type="text"/>		

ADDITIONAL NOTES

ADDITIONAL COMMENTS

Town of Coventry made aware of road edge condition 03-04-2021. Town will provide temporary protections at the structures southwest corner. Town anticipates submitting a preliminary application to the State Local Bridge Program to secure a grant for a full replacement of bridge in 2023.

RATING DESCRIPTION

BRI-18 BRIDGE INSPECTION REPORT

RATING DESCRIPTION

N	NOT APPLICABLE
9	EXCELLENT CONDITION
8	VERY GOOD CONDITION - no problems noted.
7	GOOD CONDITION - some minor problems.
6	SATISFACTORY CONDITION - structural elements show some minor deterioration.
5	FAIR CONDITION - all primary structural elements are sound, but may have minor section loss, cracking, spalling or scour.
4	POOR CONDITION - advanced section loss, deterioration, spalling or scour
3	SERIOUS CONDITION - loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.
2	CRITICAL CONDITION - advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.
1	"IMMINENT" FAILURE CONDITION - major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic, but corrective action may put back in light service.
0	FAILED CONDITION - out of service - beyond corrective action.

GENERAL GUIDELINE:

<u>RATING</u>	<u>DESCRIPTION</u>
7-9	GOOD
6-5	FAIR
4-0	POOR

Bridge Number **032013**

Inspected By: JHP & MDC

Sufficiency Rating
Previous Inspection Date **2/26/1991**

BS&E Received Data Entry By: _____
Copies Made Data Entry Date: _____

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BRIDGE SAFETY & EVALUATION
STRUCTURE EVALUATION
SHEET 1 OF 2 FORM BRI-19 REV 10/00

SHEET 11 OF 17 (INSP. REPORT)

90) Inspection Date 030321	Inspection Team <input type="checkbox"/>	91) Frequency Class 24
Indepth Insp No	Deck Survey <input type="checkbox"/>	Access 0
		Flagman 0

CRITICAL FEATURE INSPECTIONS

Type	Frequency	Team	Date
Fracture: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uwater: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RED FLAG

IDENTIFICATION

Bridge Name **032013**

4) Town Name **Coventry** Town Code **17800**

5) Inventory Route
A) Record Type **1**
B) Signing Prefix **5** City Street D) Route Number **0000**
C) Level of Service **0** None of below E) Directional Suffix **0** NA

6) Feature Intersected **Rufus Brook**

7) Facility Carried **Bunker Hill Road**

9) Location **6,260' West of South Street**

11) Milepoint _____ Miles

16) Latitude **41** deg **44** min **40.18** sec _____ deg _____ min _____ sec
17) Longitude **-72** deg **19** min **29.47** sec _____ deg _____ min _____ sec

98) Border Bridge
A) State Code _____ B) Percent Responsibility _____ %
C) Border Town Name _____

99) Border Bridge Structure No _____

STRUCTURE TYPE AND MATERIAL

43) Structure Type Main:
A) Material **1** Concrete B) Design Type **19** Culvert

44) Structure Type, Approach:
A) Material **0** NA B) Design Type **00**

45) Number of Spans, Main Unit **001**

46) Number of Approach Spans **0000**

107) Deck Structure Type **N** Not Applicable

108) Wearing Surface/Protective System:
A) Type of Wearing Surface **N** Not Applicable
B) Type of Membrane **N** Not Applicable
C) Type of Deck Protection **N** Not Applicable

AGE AND SERVICE

27) Year Built **1955-EST** 106) Year Reconstruct **0000**

42) Type of Service
A) On **1** Highway B) Under **5** Waterway

28) Number of Lanes:
A) On **02** B) Under **00**

29) Avg. Daily Traffic **200** Half ADT? _____

109) Percent Truck _____ % EST.
30) Year of ADT **1991** EST.
19) Bypass, Detour Length **002** miles

GEOMETRIC DATA

48) Length of Max Span **15.00** ft Clear open distance _____

49) Structure Length **15.00** ft

50) Curb or Sidewalk Widths:
A) Left **000** ft _____ B) Right **000** ft _____

51) Brg Rdwy width, curb-to-curb **23.17** ft

52) Deck Width, Out-to-Out **25.17** ft

32) Approach Roadway Width **0023** ft

33) Bridge Median
Deck Area **0** sqft

34) Skew Angle **5** deg

35) Structure Flared **0**

10) Inv. Rte. Min. Vert Clearance **99** ft **99** in

47) Log Inv. Rte. Total Horiz. Clr.: **23.2** ft

47) Rlog Inv. Rte. Total Horiz. C _____ ft

53) Min Vert Clearance Over Bridge **99** ft **99** in

54) Min Vert Under Clearance **N** Ref **00** ft **00** in

55) Min Lat Under Clearance on Right **N** Ref **000** ft

56) Min Lat Under Clearance on Left **000** ft

BRIDGE COMMENTS

CLASSIFICATION

112) NBIS Bridge Length	No		
104) Highway System	0 Off System		
26) Functional Class	9 Rural Local Road		
100) Defense Highway	0 Not Defense Highway		
101) Parallel Structure	N No parallel structures exist		
102) Direction of Traffic	2 2-way traffic		
103) Temporary Structure	Not applicable		
110) Designated National Network	0 Not on National Network		
20) Toll	3 On free road		
21) Maintain	3 Town or Township highway		
22) Owner	3 Town or Township highway		
Report Class	L Local		
37) Historical Significance	4 Historical significance is not determinable at this time		

WATERWAY

Drainage Basin Code	3108		
38) Navigation Control	0 No navigation on waterway		
39) Navigation Vert Clr.	000		
116) Vert-Lift Brg Nav Min			
111) Pier Abutment Protection			
40) Navigation Horiz Clr.	0000		

PROPOSED IMPROVEMENTS

75A) Type of Work Proposed			
75B) Work Done By			
76) Length of Struct. Improvement		ft	
94) Bridge Improvement Cost	\$		
95) Roadway Improvement Cost	\$		
96) Total Project Cost	\$		
97) Year of Improvement Cost Est.			
114) Future ADT			
List No.		Project No.	
		115) Year Future ADT	
		Advertised	

POSTED SIGNS & UTILITIES

Other Posted Signs 1			
Other Posted Signs 2			
Actual P.L. Single Unit Truck	tons		
Rec. P.L. Single Unit Truck	tons		
Actual P.L. Semi-Trailer Truck	tons		
Rec. P.L. Semi-Trailer Truck	tons		
Rec. P.L. All Vehicles	tons		
Posted Vert Clearance On Bridge	ft		
Posted Vert UnderClearanc	ft		
Posted Speed Limit	25 mph		
Utility			

STRUCTURE EVALUATION

SHEET 2 OF 2 FORM BRI-19 REV 10/00

SHEET 12 OF 17 (INSP. REPORT)

Inspected By: JHP & MDC

Bridge Number	032013	NBIS Length	
Town Name	Coventry		N
Facility Carried	Bunker Hill Road		
Feature Crossed	Rufus Brook		

LOAD RATING AND POSTING

31) Design Load	0	Evaluation Code	
63) Operating Rating Type	5	Year of Evaluation	
64) Operating Rating		70) Bridge Posting	
65) Inventory Rating Type	5	41) Structure Status	A
66) Inventory Rating		Open, no restrictions	

CONDITION

	Rating	By
58) Deck	N	JHP
59) Superstructure	N	JHP
60) Substructure	N	JHP
61) Channel & Chan. Protection	4	JHP
62) Culverts	3	JHP

APPRAISAL

	Rating	By
67) Structure Evaluation	3	JHP
68) Deck Geometry	N	JHP
69) Under Clear Vert & Horiz	N	JHP
71) Waterway Adequacy	7	JHP
72) Approach Rdwy Alignment	6	JHP
113) Scour Critical	6	JHP

Items 58 Thru 72 Checked By: _____

36) Traffic Safety Features:

A) Bridge Railings	0
B) Transitions	0
C) Approach Guardrail	0
D) Approach Guardrail End	0

OTHER FEATURES

Fence Required		
Fence Present		
Fence Height	ft	
Fence Type		
Fence Material		
Fence Top Type		
Barrel Ladder	No	
Stand Pipes	No	
Cat Walks	No	
Movable Inspection System	No	
Loose Concrete Checked?	No	

INSPECTION COMMENTS

Proposed Next Indepth Insp Year	
Senior Supervisor	
Comments -	

REVIEWED BY: _____ Date: _____

Bridge No.	032013	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Bunker Hill Road	Date Inspected:	03/03/2021
Feature Crossed:	Rufus Brook	NLJA Project No.	0519-0085



PHOTO 1. Westbound Approach.

PHOTO 2. Eastbound Approach.

Bridge No.	032013	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Bunker Hill Road	Date Inspected:	03/03/2021
Feature Crossed:	Rufus Brook	NLJA Project No.	0519-0085



PHOTO 3. Downstream elevation view.

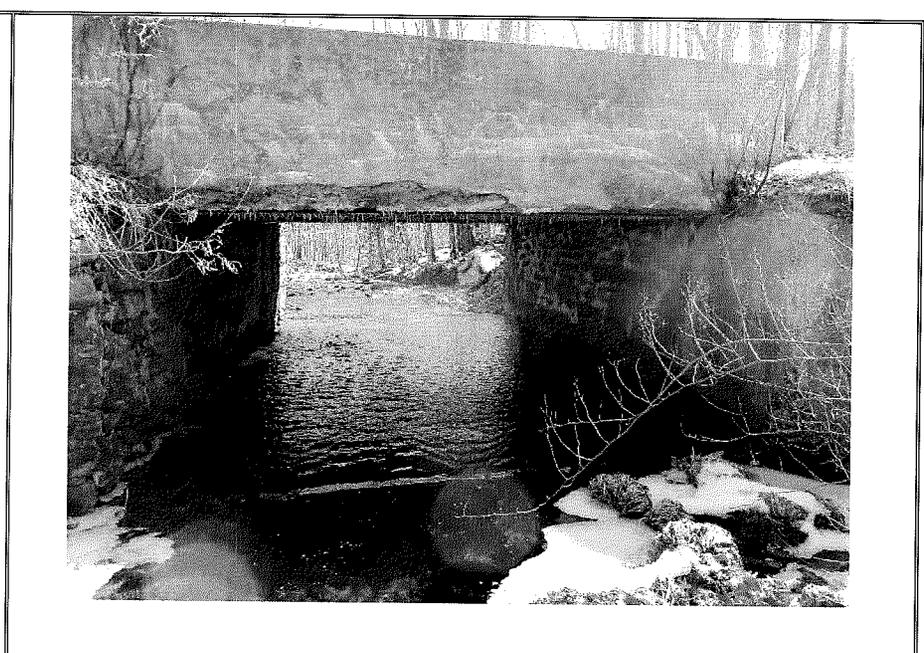


PHOTO 4. Upstream elevation view.

Bridge No.	032013	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Bunker Hill Road	Date Inspected:	03/03/2021
Feature Crossed:	Rufus Brook	NLJA Project No.	0519-0085

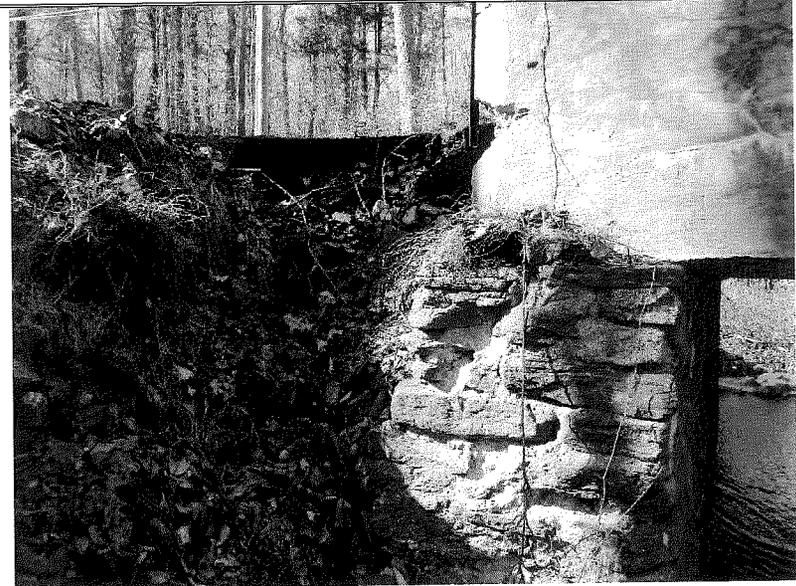


PHOTO 5. Southwest structure corner approach roadway missing approximately 4' long x 2' wide section of road edge.

PHOTO 6. Southwest structure corner road embankment erosion where wingwall does not exist.

Bridge No.	032013	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Bunker Hill Road	Date Inspected:	03/03/2021
Feature Crossed:	Rufus Brook	NLJA Project No.	0519-0085

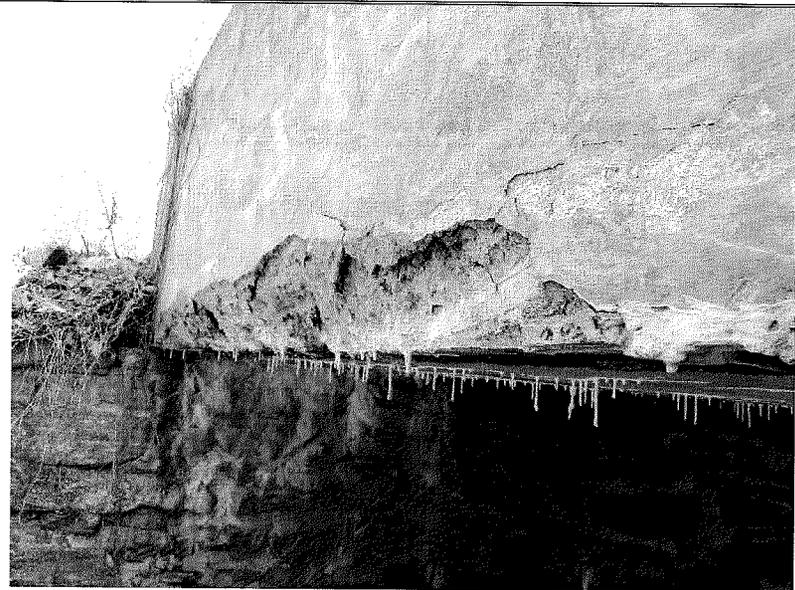


PHOTO 7. Upstream parapet with severe cracking and deterioration.

PHOTO 8. Barrel upstream fascia loss of section and spalling.

Bridge No.	032013	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Bunker Hill Road	Date Inspected:	03/03/2021
Feature Crossed:	Rufus Brook	NLJA Project No.	0519-0085

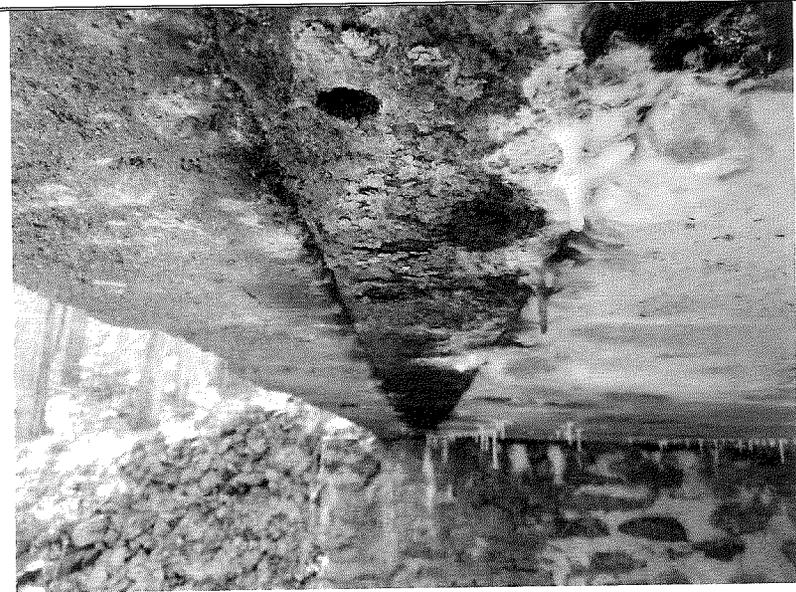
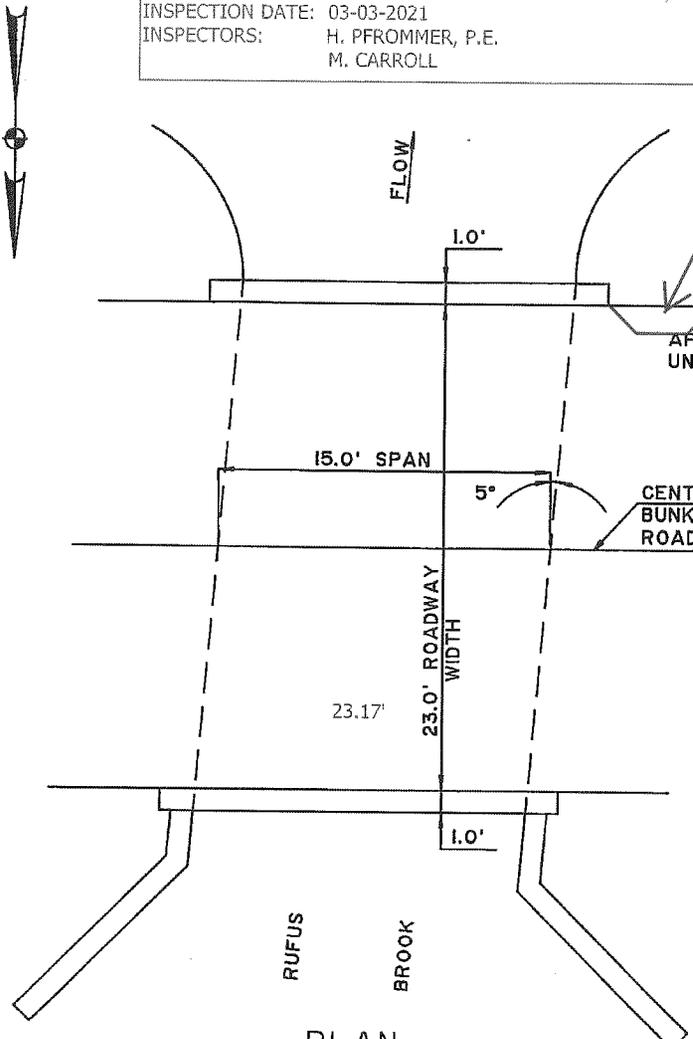


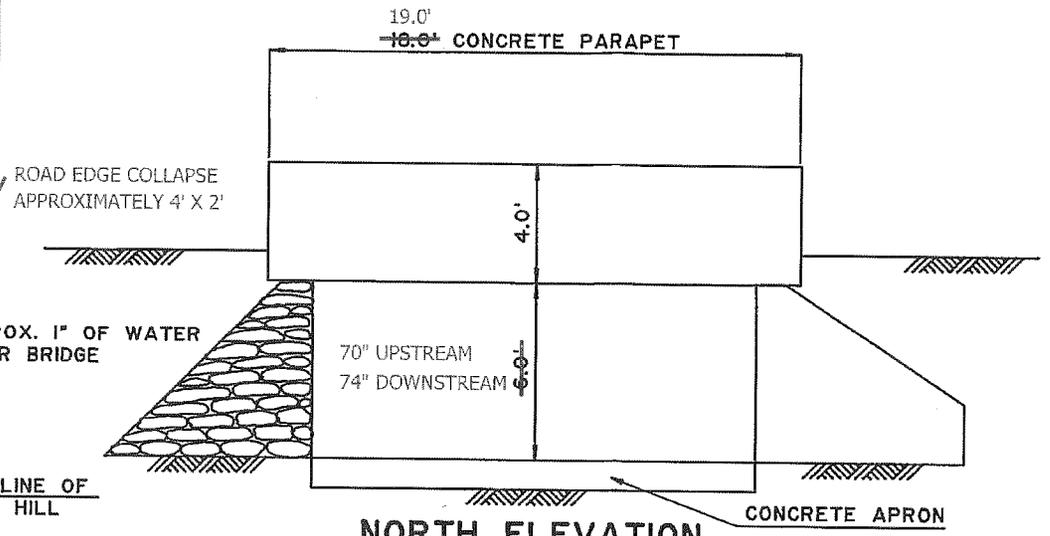
PHOTO 9. Upstream concrete wingwall with moderate spalling at top of wall and at water level.

PHOTO 10. Exposed steel beam in barrel ceiling; note beam deterioration and efflorescence.

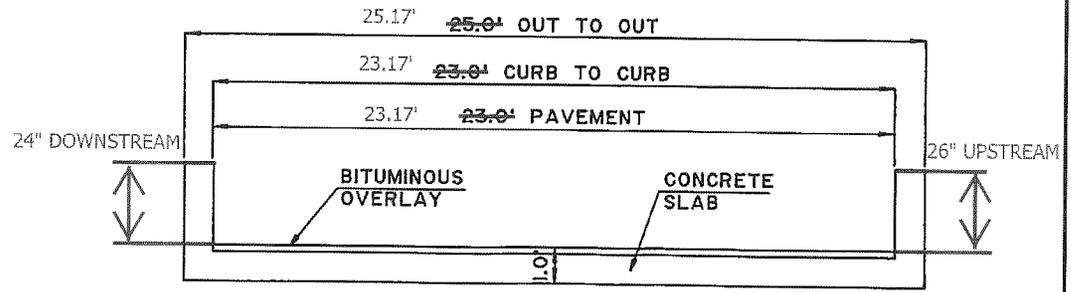
PERFORMED BY: NATHAN L. JACOBSON & ASSOCIATES, INC.
 INSPECTION DATE: 03-03-2021
 INSPECTORS: H. PFROMMER, P.E.
 M. CARROLL



PLAN
 SCALE: 3/16" = 1'-0"



NORTH ELEVATION
 SCALE: 1/4" = 1'-0"



CROSS SECTION
 SCALE: 1/4" = 1'-0"

CONC. SLAB

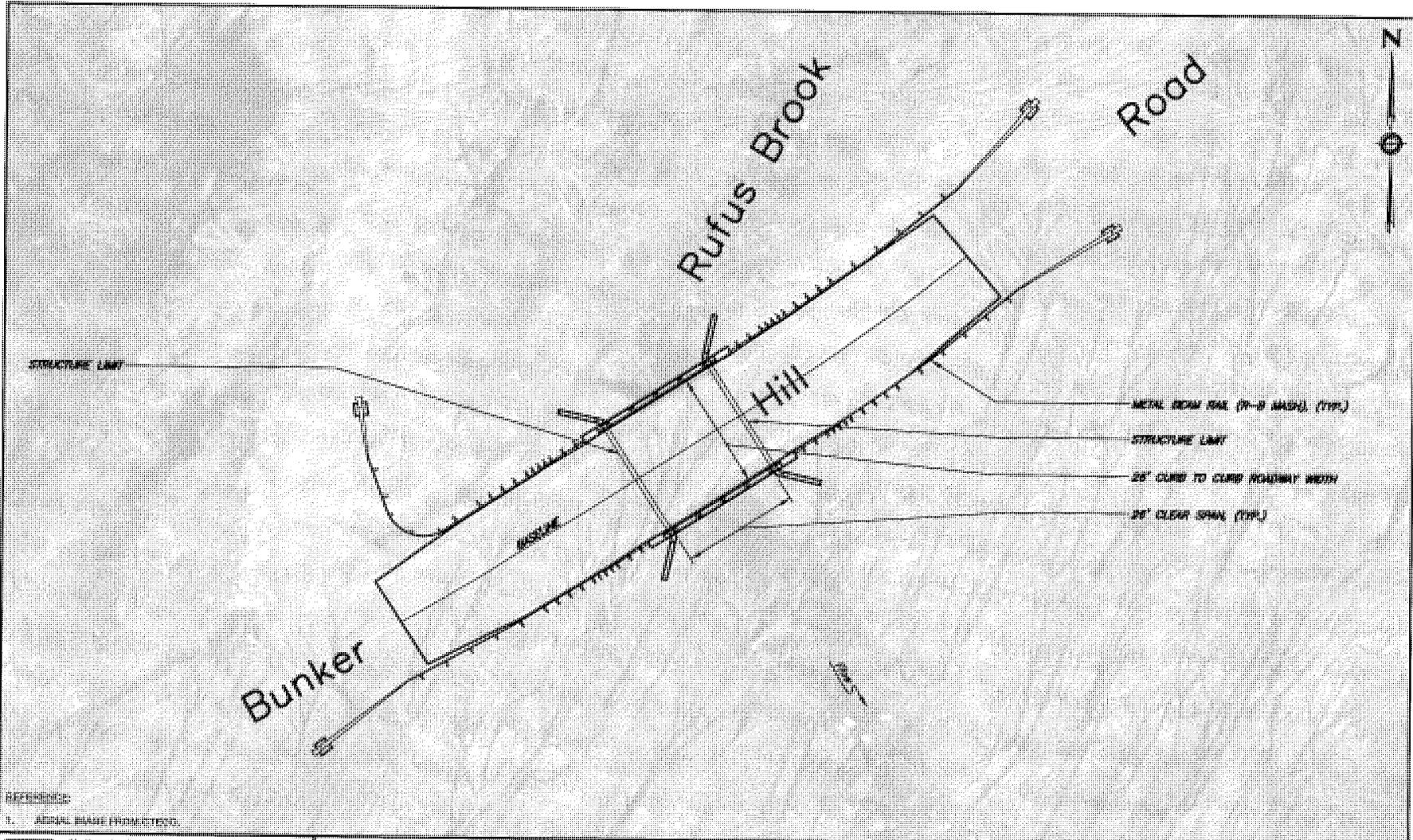
TOWN OF COVENTRY BUNKER HILL ROAD OVER RUFUS BROOK			 Kayes Associates Architects Engineers Planners Interior Designers
SCALE: AS SHOWN	NO. 032013	JUNE, 1991	

ATTACHMENT B

Attached Drawings and Documents containing *Conceptual Design Drawings* for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut:

Conceptual Design Drawings..... Sheets 1 to 2

Outline Specifications Pages 1 to 2



REFERENCE:

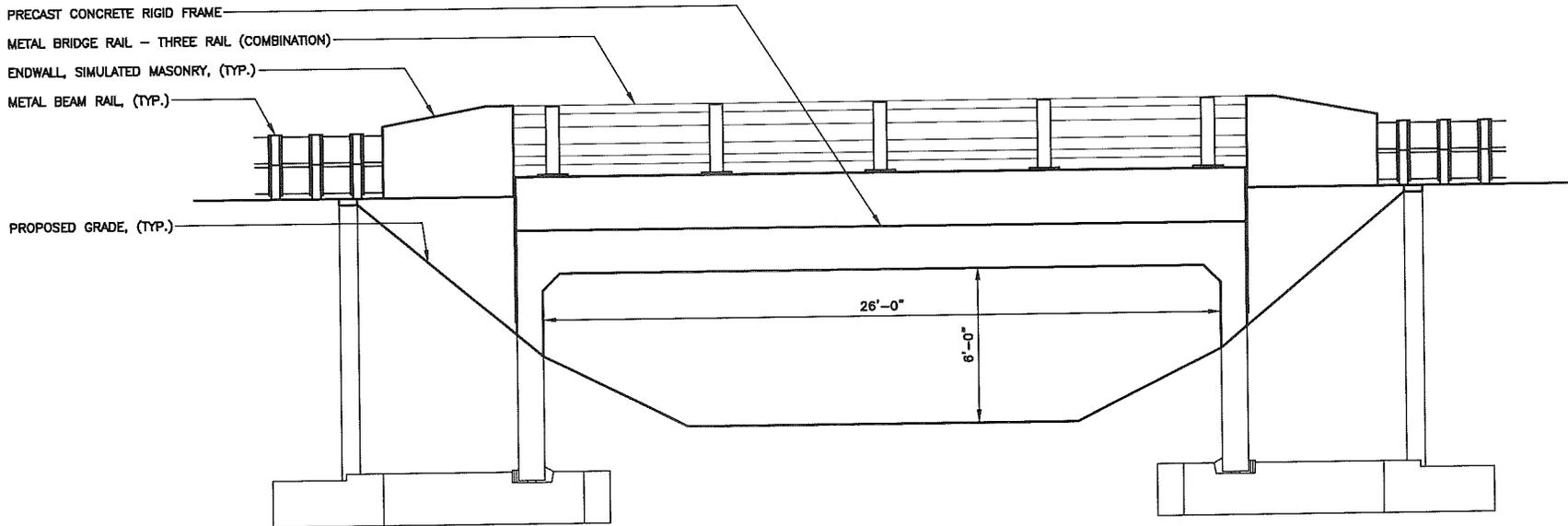
- 1. AERIAL IMAGE FROM GOOGLE.

J Nathan L. Jacobson & Associates, Inc.
 88 Main Street P.O. Box 337
 Cheshire, Connecticut 06412-0337
 Tel: (860) 528-0901 Fax: (860) 528-0410
 www.nlja.com
 Jacobson Consulting Civil and Environmental Engineers Since 1972

REPLACEMENT OF BRIDGE NO. 032013
 BUNKER HILL ROAD OVER RUFUS BROOK
 COVENTRY, CONNECTICUT
CONCEPT BRIDGE PLAN

ANY ALTERATIONS TO THE DRAWINGS MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR PERSONS MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL OBLIGATION ARISING THEREFROM OR FROM ANY UNAUTHORIZED ALTERATIONS.
 © COPYRIGHT 2001 NATHAN L. JACOBSON & ASSOCIATES, INC.
 ALL RIGHTS RESERVED.

DATE:	APRIL 2004	DESIGNED:	MEG
SCALE:	1"=50'	DRAWN:	AUG
PROJECT No.:	0310004	CHECKED:	-
DWG FILE:	031000004	SHEET No.:	1 OF 2



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. 032013
 BUNKER HILL ROAD OVER RUFUS BROOK
 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:	APRIL 2021	DESIGNED:	MDC
SCALE:	1/4"=1'-0"	DRAWN:	AJG
PROJECT No.:	05190085	CHECKED:	-
CADD FILE:	05190085SP	SHEET No.:	2 OF 2

Outline Specifications
for
Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook
Coventry, Connecticut

Division I: General Requirements and Covenants

Section:

- 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
- 2.04 Cofferdam and Dewatering, Cofferdam Material Left in Place
- 2.09 Subgrade
- 2.11 Anti-Tracking Pad
- 2.12 Subbase
- 2.16 Pervious Structure Backfill
- 2.19 Sedimentation Control System

Base Courses

Section:

- 3.04 Processed Aggregate Base

Surface Courses or Pavements

Section:

- 4.06 Bituminous Concrete

Structures

Section:

- 6.01 Concrete for Structures
- 6.02 Reinforcing Steel

Incidental Construction

Section:

Outline Specifications

- 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
- 9.39 Sweeping for Dust Control
- 9.44 Topsoil
- 9.46 Liming
- 9.50 Turf Establishment, Erosion Control Matting
- 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:

- 12.20 Construction Signs
- 18.02 Sand Barrels

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.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.18 Signing

ATTACHMENT C

Assumed breakdown of *Preliminary Engineering Fees* for the Replacement of Bridge No. 032013
Bunker Hill Road over Rufus Brook, Coventry, Connecticut:

Survey.....	\$10,000
Preliminary Design	\$52,160
Permits.....	\$15,000
<u>Final Design.....</u>	<u>\$78,240</u>
TOTAL.....	\$155,400

ATTACHMENT D

Attached Spreadsheet containing: *Detailed Estimate of Construction Cost* for the Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook, Coventry, Connecticut:

2023 Conceptual Design Opinion of Probable Construction CostsPages 1 to 2

NATHAN L. JACOBSON & ASSOCIATES, INC.
 Consulting Civil and Environmental Engineers Since 1972
 Chester, Connecticut

2023 CONCEPTUAL OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Culvert at Bunker Hill Road over Rufus Brook
 JOB NO.: 0519-0085
 BY: MAL
 DATE: 7/2/2021

TOWN: Coventry, CT

CHECKED BY: MDC
 DATE: 7/8/2021

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
0202000	EARTH EXCAVATION	160	C.Y.	\$ 22.80	\$ 3,648.00
0202100	ROCK EXCAVATION	8	C.Y.	\$ 49.60	\$ 396.80
0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	15	C.Y.	\$ 79.00	\$ 1,185.00
0202351	UNSUITABLE MATERIAL EXCAVATION	15	C.Y.	\$ 24.60	\$ 369.00
0202529	CUT BITUMINOUS CONCRETE PAVEMENT	30	L.F.	\$ 2.60	\$ 78.00
0203202	STRUCTURE EXCAVATION-EARTH (EXCLUDING COFFERDAM AND DEWATERING)	650	C.Y.	\$ 35.20	\$ 22,880.00
0203304	STRUCTURE EXCAVATION - ROCK (EXCLUDING COFFERDAM & DEWATERING)	33	C.Y.	\$ 80.60	\$ 2,619.50
0204001	COFFERDAM AND DEWATERING	220	L.F.	\$ 475.00	\$ 104,500.00
0204153	HANDLING WATER	1	EST.	\$ 35,000.00	\$ 35,000.00
0209001	FORMATION OF SUBGRADE	360	S.Y.	\$ 3.00	\$ 1,080.00
0210300	OIL ABSORBENT BOOM	100	L.F.	\$ 23.75	\$ 2,375.00
0210301	OIL ABSORBENT BLANKET	200	L.F.	\$ 4.60	\$ 920.00
0211000	ANTI-TRACKING PAD	225	S.Y.	\$ 22.80	\$ 5,130.00
0212000	SUBBASE	100	C.Y.	\$ 44.60	\$ 4,460.00
0216000	PERVIOUS STRUCTURE BACKFILL	200	C.Y.	\$ 47.40	\$ 9,480.00
0219001	SEDIMENTATION CONTROL SYSTEM	200	L.F.	\$ 6.40	\$ 1,280.00
0304002	PROCESSED AGGREGATE BASE	50	C.Y.	\$ 46.60	\$ 2,330.00
0406171	HMA S0.5	65	TON	\$ 121.40	\$ 7,891.00
0406172	HMA S0.375	40	TON	\$ 111.40	\$ 4,456.00
0406173	HMA S0.25	5	TON	\$ 118.20	\$ 591.00
0406236	MATERIAL FOR TACK COAT	25	GAL	\$ 5.80	\$ 145.00
0406303	SAWING AND SEALING JOINTS	52	L.F.	\$ 6.00	\$ 312.00
0601XXX	PRECAST CONCRETE FOOTING	1	L.S.	\$ 35,000.00	\$ 35,000.00
0601733.40	CLASS PCC03340	40	C.Y.	\$ 737.80	\$ 29,512.00
0601744.60	CLASS PCC04460	25	C.Y.	\$ 859.00	\$ 21,475.00
0601504	1" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	40	S.F.	\$ 11.40	\$ 456.00
0601971	PRECAST CONCRETE THREE SIDED RIGID FRAME	28	L.F.	\$ 4,139.40	\$ 115,903.20
0602030	DEFORMED STEEL BARS - GALVANIZED	6,500	LB.	\$ 2.00	\$ 13,000.00
0703011	INTERMEDIATE RIPRAP	50	C.Y.	\$ 87.00	\$ 4,350.00
0707009	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	100	S.Y.	\$ 60.60	\$ 6,060.00
0708001	DAMPPOOFING	100	S.Y.	\$ 17.00	\$ 1,700.00
0728008	3/8" CRUSHED STONE	40	C.Y.	\$ 65.00	\$ 2,600.00
0755009	GEOTEXTILE	115	S.Y.	\$ 3.40	\$ 391.00
0811001	CONCRETE CURBING	96	L.F.	\$ 35.00	\$ 3,360.00
0822001	TEMPORARY PRECAST CONCRETE BARRIER CURB	40	L.F.	\$ 34.00	\$ 1,360.00
0904304	METAL BRIDGE RAIL - THREE RAIL (COMBINATION)	57	L.F.	\$ 275.00	\$ 15,675.00
0910188	R-B 350 BRIDGE ATTACHMENT-VERTICAL SHAPE PARAPET 10GA	4	EA.	\$ 2,840.00	\$ 11,360.00
0910300	METAL BEAM RAIL (R-B MASH)	200	L.F.	\$ 23.40	\$ 4,680.00
0911923	R-B END ANCHORAGE-TYPE I	3	EA.	\$ 1,484.40	\$ 4,453.20
0911924	R-B END ANCHORAGE-TYPE II	1	EA.	\$ 1,420.40	\$ 1,420.40
0939001	SWEEPING FOR DUST CONTROL	60	HR	\$ 89.80	\$ 5,388.00
0944000	FURNISHING AND PLACING TOPSOIL	160	S.Y.	\$ 7.80	\$ 1,248.00
0946001	LIMING	0.1	TON	\$ 703.80	\$ 49.27
0950005	TURF ESTABLISHMENT	160	S.Y.	\$ 1.40	\$ 224.00
0950013	EROSION CONTROL MATTING	160	S.Y.	\$ 3.00	\$ 480.00
0969060	CONSTRUCTION FIELD OFFICE, SMALL	5	MO.	\$ 2,812.00	\$ 14,060.00
0974001	REMOVAL OF EXISTING MASONRY	70	C.Y.	\$ 262.60	\$ 18,382.00
0976002	BARRICADE WARNING LIGHTS - HIGH INTENSITY	2,520	DAY	\$ 0.80	\$ 2,016.00
0979003	CONSTRUCTION BARRICADE TYPE III	8	EA.	\$ 132.80	\$ 1,062.40
1220013	CONSTRUCTION SIGNS - BRIGHT FLUORESCENT SHEETING	200	S.F.	\$ 53.20	\$ 10,640.00
1802210.02	TEMPORARY SAND BARREL (200 LB.)	8	EA.	\$ 367.40	\$ 2,939.20

1802210.04	TEMPORARY SAND BARREL (400 LB.)	10	EA.	\$ 383.00	\$ 3,830.00
1802210.07	TEMPORARY SAND BARREL (700 LB.)	10	EA.	\$ 385.40	\$ 3,854.00
1802210.14	TEMPORARY SAND BARREL (1400 LB.)	10	EA.	\$ 385.40	\$ 3,854.00
1802210.21	TEMPORARY SAND BARREL (2100 LB.)	10	EA.	\$ 396.20	\$ 3,962.00
				Subtotal:	\$ 555,870.97

0201001	CLEARING & GRUBBING (as % of total contract items)			2.0%	\$ 19,335
0971001A	M&P of TRAFFIC (as % of total contract items)			3.0%	\$ 29,002
0975002	MOBILIZATION AND PROJECT CLOSEOUT (as % of total contract items)			6.5%	\$ 62,838
0980001	CONSTRUCTION STAKING (as % of total contract items)			1.0%	\$ 9,667
	MINOR ITEM ALLOWANCE (as % of total contract items)			30.0%	\$ 290,020
				Base Estimate	\$ 966,733
INFLATION (See note below)				7.1%	\$ 68,831
				OPINION OF PROBABLE CONSTRUCTION COST WITH INFLATION	\$ 1,035,564
				SAY	\$ 1,036,000

NOTES:

- Unit prices are generally from the CTDOT "English Item Master File" dated February 2021. Remaining unit prices are from NLJA files, engineering judgement, or previous year CTDOT Item Master File with a 3.5% per year inflation.
- Quantities are from conceptual design drawings.
- Recurring lump sum items and minor items allowance are in accordance with the recommendations in the "Connecticut DOT 2019 Cost Estimating Guidelines".
- An inflation factor of $((1.035)^{(2023-2021)} - 1.0) \times 100 = 7.12\%$ was utilized.
- 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.

ATTACHMENT E

Attached sheet containing: *photos of existing conditions* for the Replacement of Culvert at Bunker Hill Road over Rufus Brook, Coventry, Connecticut:

Existing Condition PhotosPages 1 to 4

Existing Condition Photos
for
Replacement of Bridge No. 032013 Bunker Hill Road over Rufus Brook
Coventry, Connecticut



Photo 1: Upstream elevation view.



Photo 2: Downstream elevation view.



Photo 3: Loss of section in the approach roadway at southwest corner, and parapet deterioration.



Photo 4: Structural deficiencies such as cracking throughout the roof and exposed rusted steel beams.

July 16, 2021

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

Re: **Preliminary Application for State Local Bridge
Program Funding for FY2022**

Replacement of Bridge No. 032014 Parker Bridge Road
over Unnamed Brook
Coventry, Connecticut
NLJA #05190086

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 the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook for funding in the State Local Bridge Program 2022 fiscal year:

1. Executed "Preliminary Application for the Local Bridge Program" for fiscal year 2022; 2021 form used as it is the most current available.

Attachment A:

1. "Bridge Inspection Report for Parker Bridge Road over Unnamed Brook, Town of Coventry, Connecticut", dated 03-03-2021, prepared by this office.

Attachment B:

1. "Conceptual Design Drawings for the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut".
2. "Outline Specifications for the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut".

Attachment C:

1. "Preliminary Engineering Fees for the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut".

Mr. Francisco T. Fadul, P.E.
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for State Local Bridge Program Funding for FY2022**
Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook
Coventry, CT

July 16, 2021

Page 2 of 4

Attachment D:

1. "2023 Conceptual Design Opinion for Probable Construction Costs for the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut".

Attachment E:

1. "Existing conditions photos for the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut".

Existing Bridge

The Parker Bridge Road bridge is located approximately 5,815' west of South Street (bridge location: lat. 41.74122, long. -72.32286). The bridge carries Parker Bridge Road over unnamed brook in a generally north-south orientation. The bridge is a single span structure consisting of one 9' span x 4.5' rise box culvert with a mixture of masonry stone and concrete wingwalls upstream and downstream. The structure length is approximately 10.83 ft. at a 35-degree skew measured along the roadway centerline. There is no record of average daily traffic (ADT) count for Parker Bridge Road, however, a 2016 CTDOT Screening Inspection estimated 100 ADT. The December 31, 2018 CTDOT Functional Classification Map shows Parker Bridge Road as a rural local road.

According to the BIR in Attachment A, the construction date of the bridge is estimated to be 1940, and it appears has not been rehabilitated. The BIR indicates that the channels & channel protection and culvert are rated 6 and 4, respectively; the structure evaluation is rated 4, and scour critical is rated 6. As a result, the structure is deemed to be in poor condition.

Parker Bridge Road bituminous pavement has minor longitudinal and transverse cracking. There are no roadway guiderails.

Proposed Bridge

The proposed culvert will consist of a 9 LF clear span x 6 ft. rise precast concrete box, approximately 32 ft.± long. The culvert will include natural brook bottom material at a 1 ft. depth throughout the culvert bottom. The roadway will include two 12 ft. wide travel lanes that taper to meet existing edge of road. The roadway will be closed for the construction.

Mr. Francisco T. Fadul, P.E.
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation
Re: **Preliminary Application for State Local Bridge Program Funding for FY2022**
Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook
Coventry, CT

July 16, 2021
Page 3 of 4

The existing approach roadway does not have roadside barriers. Code compliant metal beam rail (R-B MASH) system will be installed terminating at concrete end anchors on the culvert upstream side, and bridge rail will be installed on the culvert downstream side with metal beam rail (R-B MASH) system terminating at concrete end walls and anchors.

During construction, a stormwater pollution control plan including sedimentation and erosion control measures will be required. 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.

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 \$1,102,740.00. 50% or \$551,370.00 would be available as a financial grant under the State Local Bridge Program; the Town of Coventry would fund the remaining 50%.

Mr. Francisco T. Fadul, P.E.
Project Engineer for the Local Bridge Program
Connecticut Department of Transportation

Re: **Preliminary Application for State Local Bridge Program Funding for FY2022**

Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook
Coventry, CT

July 16, 2021

Page 4 of 4

If there are any questions, please feel free to contact me.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES, INC.

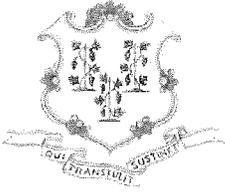
Matthew D. Carroll

MDC/mdc

Encl.

cc: Todd M. Penney, P.E., w/encl.
J. Howard Pfrommer, P.E., w/encl.
DocStar

L:\05190086 Parker\SLBP\1. 07-16-2021 Fadul.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 Fiscal Year **2021** for the following structure:

Bridge Location: Parker Bridge Road over unnamed brook
Bridge Number: 032014 Structure Length: 10.8 feet Curb-to-Curb Width: 24.5 feet
Sufficiency Rating: % Priority Rating: %

Evaluation & Rating Performed by: State Forces Others

If Others, Name of Professional Engineer: J. Howard Pfrommer, P.E.
Connecticut Professional Engineers License Number: 15871
Engineering Firm: Nathan L. Jacobson & Associates, Inc.
Engineer's Address: 86 Main Street, Chester, CT 06412
Engineer's E-mail Address: hpfrommer@nlja.com

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: 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:	<u>04/05/2022</u>
Design Completion:	<u>01/31/2023</u>
Property Acquisition Completion:	<u>01/31/2023</u>
Utilities Coordination Completion:	<u>01/31/2023</u>
Construction Advertising:	<u>03/07/2023</u>
Supplemental Application Submission:	<u>01/31/2023</u>
<small>(Not applicable for Federal Local Bridge Program Projects)</small>	
Start of Construction:	<u>06/01/2023</u>
Completion of Construction:	<u>09/28/2023</u>

Local Bridge Program – FY 2021 Preliminary Application

Bridge Number 032014, Town/City/Borough of Coventry

Preliminary Cost Figures:

Preliminary Engineering Fees (Include Breakdown of Fees)	\$ <u>117,615.00</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>784,100.00</u>
Construction Engineering (Inspection, Materials Testing)	\$ <u>117,615.00</u>
Contingencies (10% of Construction Costs Only)	\$ <u>78,410.00</u>
Total Estimated Project Cost	\$ <u>1,102,740.00</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 \$ _____

State Local Bridge Project Grant: (Cannot be combined with Federal reimbursement)
Total Estimated Project Cost multiplied by 50%:
Project Grant Request: \$ 551,370.00

Other Source of State or Federal funding received/applied for: \$ 0.00, State/Federal 0
Funding program: N/A

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 2021.

Signature: _____ Date: _____

Name: _____ Title: _____
(Must be signed by Chief Elected Official, Town Manager, or other Officer Duly Authorized)

Submit application by email to Francisco.Fadul@ct.gov

ATTACHMENT A

Attached 03-03-2021 *Bridge Inspection Report* for Parker Bridge Road over Unnamed Brook,
Coventry, Connecticut:

Bridge Inspection Report Pages 1 to 17

BRIDGE NO. 032014

17800 - COVENTRY
PARKER BRIDGE ROAD
over
UNNAMED BROOK

Interim Inspection
03-03-2021

Inspected by: Nathan L. Jacobson & Associates, Inc.



<u>CONTENTS</u>	<u>PAGE(S)</u>
EXECUTIVE SUMMARY	1
LOCATION MAP	2
BRI-18 BRIDGE INSPECTION REPORT	3 - 9
RATING DESCRIPTION	10
BRI-19 STRUCTURE INVENTORY	11 - 12
PHOTO SHEETS	13 - 17
ATTACHMENT: PLAN, ELEVATION & CROSS SECTION SKETCH	1 OF 1

**Parker Bridge Road over Unnamed Brook
Bridge No. 032014
Town of Coventry, Connecticut**

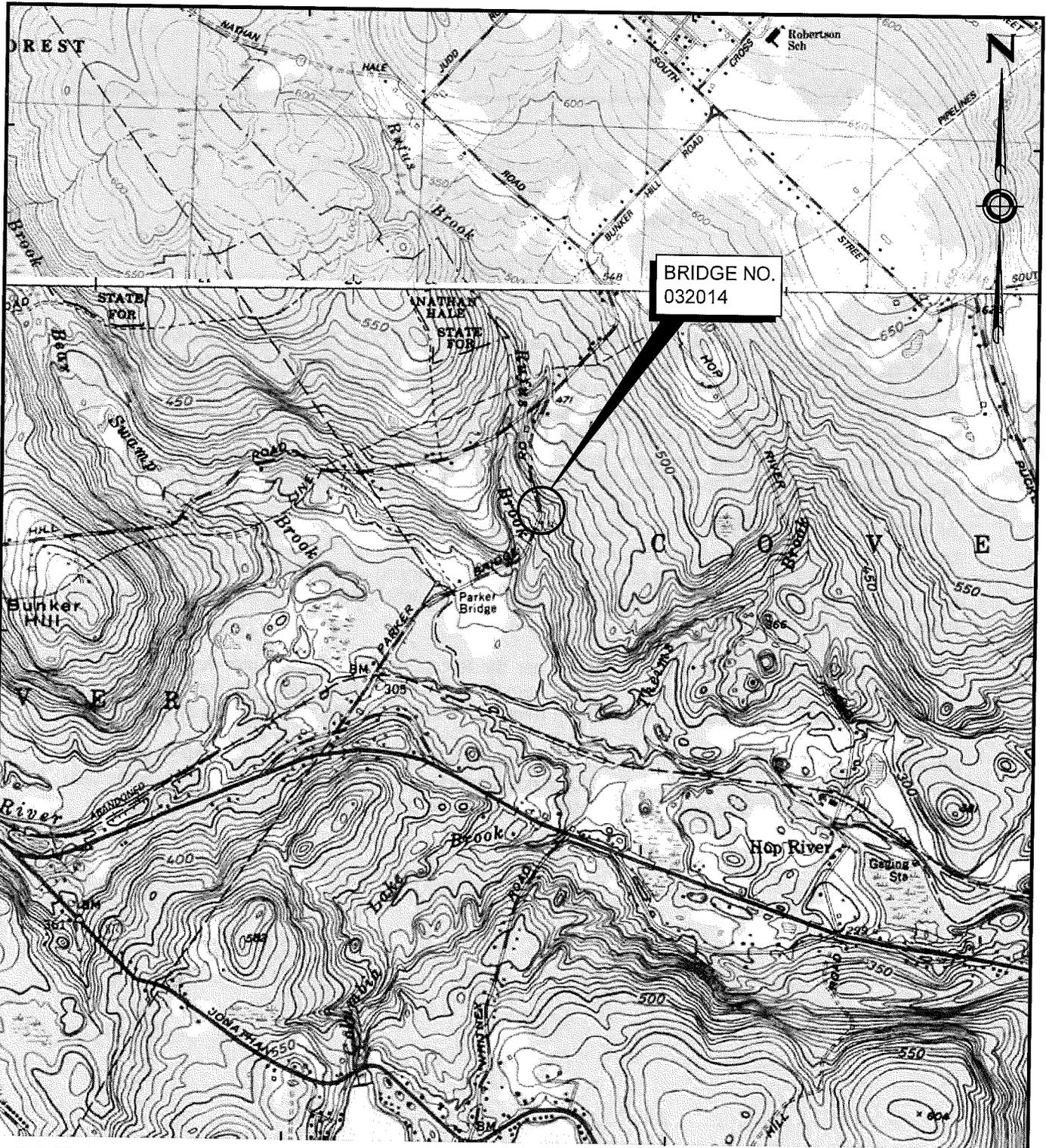
EXECUTIVE SUMMARY

Bridge No. 032014 was reportedly built in 1940 according to a CTDOT 2016 Screening Inventory. The subject culvert carries Parker Bridge Road over an unnamed Brook in a generally north/south direction. The Brook generally flows east to west at the crossing. The culvert is located approximately 5,815' west of South Street, beneath a two-lane paved roadway that is approximately 20'-4" wide over the culvert barrel. See Location Map on next page. The culvert consists of a 9' span x 4.5' average rise cast-in-place concrete barrel. Downstream wingwalls and upstream northeast wingwall are constructed of stone masonry. The upstream southeast wingwall is cast-in-place. There are no roadway guide rails.

The culvert is in **poor** condition. The 9' span x 4.5' average rise box culvert has considerable deficiencies such as, but not limited to, loss of section and spalling exposing 3"± size rounded aggregates, efflorescence, and exposed steel beams in barrel roof with varying deterioration such as surface and laminar rust. The culvert has three wingwalls with moderate deficiencies and a fourth stone masonry wingwall displaced by a tree.

The structure evaluation is **poor** condition. As per the Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges Item 67 – Structural Evaluation, the condition rating is based on "the lowest of the codes obtained from Item 62 – Culverts", in this case a rating of four (4).

The approach roadway is in **fair** condition with a bituminous pavement surface showing minor distresses such as, but not limited to, transverse and longitudinal cracking. Varying height concrete parapets with blunt ends delineate the road edge at the crossing. No roadside traffic safety features are in place.



REFERENCE:

1. U.S.G.S. COLUMBIA CONNECTICUT QUADRANGLE.
2. U.S.G.S. COVENTRY CONNECTICUT QUADRANGLE.

Date: MAY 2021

Contract No. 05190086

Scale: 1"=2,000'

2 OF 17

BRIDGE NO. 032014
 PARKER BRIDGE ROAD OVER UNNAMED BROOK
 COVENTRY, CONNECTICUT

LOCATION MAP



Jacobson

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

Nathan L. Jacobson & Associates, Inc.
 Consulting Civil and Environmental Engineers Since 1972
 Bridge Inspection Report BRI-18

BRIDGE#: 032014		INSPECTION DATE: 3/3/2021	
INSPECTION TYPE:	Interim Condition	PREVIOUS INSPECTION DATE:	2/28/1991
INSPECTION PERFORMED BY:	NLJ&A	SNOOPER REQUIRED:	No
		SNOOPER USED:	No
TOWN:	Coventry	FEATURE CARRIED:	Parker Bridge Road
LOCATION:	5,815' northeast of Route 6	FEATURE INTERSECTED:	Unnamed Brook
		YEAR BUILT:	1940 Est.
		YEAR REBUILT:	
MAIN MATERIAL:	Concrete	MAIN DESIGN:	Culvert

INSPECTION VISITS:		INSPECTORS:	
Inspection Date:	3/3/2021	Inspector:	H. Pfrommer
Temperature:	47°F	Inspector:	M. Carroll
Start Time:	12:00 PM	Task:	Engineer-Lead Inspector
End Time:	1:00 PM	Task:	Inspector

58. DECK **OVERALL RATING** N

As per Connecticut Bridge Inspection Manual section 10.1, "For integral superstructure bridges where the approach pavement is carried across the bridge on top of fill material, such as filled arches, frames or culverts, there is no deck and the overall rating will be "N".

	Rating	
OVERLAY	5	Bituminous pavement with chip seal coating generally in fair condition with some transverse and longitudinal cracking
DECK STR. CONDITION	N	
CURBS	N	
MEDIAN	N	
SIDEWALKS	N	
PARAPET	N	
RAILING	N	
PAINT	N	
FENCE	N	
DRAINS	N	
LIGHTING STANDARD	N	
UTILITIES TYPE/SIZE	N	
CONSTRUCTION JOINTS	N	
EXPANSION JOINTS	N	

59. SUPERSTRUCTURE

OVERALL RATING

Rating

BEARING DEVICES	<input type="text" value="N"/>	<input type="text"/>
STRINGERS	<input type="text" value="N"/>	<input type="text"/>
GIRDERS	<input type="text" value="N"/>	<input type="text"/>
FLOOR BEAMS	<input type="text" value="N"/>	<input type="text"/>
TRUSSES - GENERAL	<input type="text" value="N"/>	<input type="text"/>
TRUSSES - PORTALS	<input type="text" value="N"/>	<input type="text"/>
TRUSSES - BRACING	<input type="text" value="N"/>	<input type="text"/>
PAINT	<input type="text" value="N"/>	<input type="text"/>
RUST	<input type="text" value="N"/>	<input type="text"/>
MACHINERY MOV SPAN	<input type="text" value="N"/>	<input type="text"/>
RIVETS & BOLTS	<input type="text" value="N"/>	<input type="text"/>
WELDS & CRACKS	<input type="text" value="N"/>	<input type="text"/>
TIMBER DECAY	<input type="text" value="N"/>	<input type="text"/>
CONCRETE CRACKING	<input type="text" value="N"/>	<input type="text"/>
COLLISION DAMAGE	<input type="text" value="N"/>	<input type="text"/>
MEMBER ALIGNMENT	<input type="text" value="N"/>	<input type="text"/>
DEFLECT. UNDER LOAD	<input type="text" value="N"/>	<input type="text"/>
VIBR. UNDER LOAD	<input type="text" value="N"/>	<input type="text"/>
STAND PIPES	<input type="text" value="N"/>	<input type="text"/>
BARREL LADDERS	<input type="text" value="N"/>	<input type="text"/>

60. SUBSTRUCTURE

OVERALL RATING **N**

Rating

ABUTMENTS-STEM	N	
ABUTMENTS-BACKWALL	N	
ABUTMENTS-FOOTING	N	
ABUT.-SETTLEMENT	N	
ABUTMENT-WINGWALLS	N	
PIERS/BENTS-CAPS	N	
PIERS/BENTS-PILE BENT	N	
PIERS/BENTS-COLUMN	N	
PIERS/BENTS-FOOTINGS	N	
PIERS/BENTS-SETTLEMENT	N	
EROSION-SCOUR	N	
CONCRETE CRACK-SPALL	N	
STEEL CORROSION	N	
PAINT	N	
TIMBER DECAY	N	
COLLISION DAMAGE	N	
DEBRIS	N	

61. CHANNEL & CHANNEL PROTECTION

Unnamed Brook

OVERALL RATING **6**

Rating

CHANNEL SCOUR	6	Underming of upstream wingwall observed.
EMBANKMENT EROSION	6	Minor erosion of channel banks observed.
DEBRIS	7	Minor debris observed in the channel during the inspection.
VEGETATION	6	Well established woody vegetation growth on channel banks observed.
CHANNEL CHANGE	6	Downstream channel is approximately 1' lower than the culvert invert.
FENDER SYSTEM	N	
SPUR DIKES & JETTIES	N	
RIP RAP	N	

62. CULVERT & RETAINING WALL

9' Span x 4.5' +/- Rise Box Culvert with cast-in-place concrete roof and floor

OVERALL RATING **4**

Rating

BARREL	4	Barrel length is approximately 32'-8" with concrete roof showing considerable spalling, loss of section, efflorescence, and exposed 3"± size rounded aggregate. Barrel floor is concrete with rough surface. Barrel walls are cast-in-place with areas of exposed aggregate.
CONCRETE	4	Box culvert with spalling, loss of section, moderate to major deterioration. Upstream wingwall with spalling, loss of section, and vertical crack spanning the the entire height of the wingwall.
STEEL	5	Exposed steel beams in box roof with varying stages of deterioration from surface to laminar rust.
TIMBER	N	None
HEADWALL	4	Cast-in-place concrete parapets with varying heights. Downstream parapet interface with culvert roof is exposed in some areas due to culvert roof loss of section.
CUTOFF WALL	N	Approximately 0.5' exposed downstream where culvert floor is perched. Otherwise, unable to observe and rate condition.
DEBRIS	8	No woody debris observed within the barrel at the time of inspection.
RETAINING WALL SYSTEM	3	One wingwall is concrete, see CONCRETE above. Stone masonry wingwalls have missing or dislodged stones and voids. The downstream north wingwall has been displaced by a large diameter tree.
FOOTING	N	None observed at the time of the inspection, therefore, no rating is applied.

APPROACH CONDITION

Rating

OVERALL RATING

4

APPROACH SLAB

RELIEF JOINTS

APPROACH GUIDE RAIL

APPROACH PAVEMENT

Bituminous pavement generally in fair condition.

APPROACH EMBANKMENT

Approach embankments mostly vegetated. Northwest embankment eroded directly behind wingwall and has been stabilized with varying size rocks.

TRAFFIC SAFETY FEATURES

BRIDGE RAILINGS

None. Traffic safety features not provided.

TRANSITIONS

None. Traffic safety features not provided.

APPROACH GUARDRAIL

None. Traffic safety features not provided.

APPR. GUARDRAIL ENDS

None. Traffic safety features not provided.

LOAD POSTING

SINGLE UNIT (TONS)

HS (TONS)

4 AXLE (TONS)

3S2 (TONS)

ADVANCE WARNING Y/N

LEGIBILITY

VISIBILITY/LOCATION

MISC.

MIN. VERT. UNDERCLR.	<input type="text"/>	<input type="text"/>	<input type="text"/>
POSTED CLR. UNDER BRIDGE	<input type="text"/>	<input type="text"/>	<input type="text"/>
POSTED CLR. ON BRIDGE	<input type="text"/>	<input type="text"/>	<input type="text"/>
ADVANCE WARNING (Y/N)	<input type="text"/>	<input type="text"/>	
SPEED LIMIT (IF ANY)	<input type="text" value="25"/>	MPH	<input type="text" value="Posted"/>
CHARACTER OF TRAFFIC	<input type="text"/>		

ADDITIONAL NOTES

ADDITIONAL COMMENTS

RATING DESCRIPTION

BRI-18 BRIDGE INSPECTION REPORT

RATING DESCRIPTION

N	NOT APPLICABLE
9	EXCELLENT CONDITION
8	VERY GOOD CONDITION - no problems noted.
7	GOOD CONDITION - some minor problems.
6	SATISFACTORY CONDITION - structural elements show some minor deterioration.
5	FAIR CONDITION - all primary structural elements are sound, but may have minor section loss, cracking, spalling or scour.
4	POOR CONDITION - advanced section loss, deterioration, spalling or scour.
3	SERIOUS CONDITION - loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.
2	CRITICAL CONDITION - advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.
1	"IMMINENT" FAILURE CONDITION - major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic, but corrective action may put back in light service.
0	FAILED CONDITION - out of service - beyond corrective action.

GENERAL GUIDELINE:

<u>RATING</u>	<u>DESCRIPTION</u>
7-9	GOOD
6-5	FAIR
4-0	POOR

Bridge Number **032014**

Inspected By: JHP & MDC

Sufficiency Rating
Previous Inspection Date **2/28/1991**

BS&E Received Data Entry By: _____
Copies Made Data Entry Date: _____

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BRIDGE SAFETY & EVALUATION
STRUCTURE EVALUATION
SHEET 1 OF 2 FORM BRI-19 REV 10/00

SHEET 11 OF 17 (INSP. REPORT)

90) Inspection Date 0 3 0 3 2 1	Inspection Team <input type="checkbox"/>	91) Frequency Class 24
Indepth Insp No	Deck Survey <input type="checkbox"/>	Access 0
		Flagman 0

CRITICAL FEATURE INSPECTIONS

Type	Frequency	Team	Date
Fracture: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uwater: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RED FLAG

IDENTIFICATION

Bridge Name **032014**

4) Town Name **Coventry** Town Code **17800**

5) Inventory Route
A) Record Type **1**
B) Signing Prefix **5** City Street D) Route Number **00000**
C) Level of Service **0** None of below E) Directional Suffix **0** NA

6) Feature Intersected **Unnamed Brook**

7) Facility Carried **Parker Bridge Road**

9) Location **5,815' West of South Street**

11) Milepoint _____ Miles

16) Latitude **41** deg **44** min **28.39** sec _____ deg _____ min _____ sec
17) Longitude **- 72** deg **19** min **22.30** sec _____ deg _____ min _____ sec

98) Border Bridge
A) State Code _____ B) Percent Responsibility _____ %
C) Border Town Name _____

99) Border Bridge Structure No _____

STRUCTURE TYPE AND MATERIAL

43) Structure Type Main:
A) Material **1** Concrete B) Design Type **19** Culvert

44) Structure Type, Approach:
A) Material **0** NA B) Design Type **00**

45) Number of Spans, Main Unit **001**

46) Number of Approach Spans **0000**

107) Deck Structure Type **N** Not Applicable

108) Wearing Surface/Protective System:
A) Type of Wearing Surface **N** Not Applicable
B) Type of Membrane **N** Not Applicable
C) Type of Deck Protection **N** Not Applicable

AGE AND SERVICE

27) Year Built **1940-EST** 106) Year Reconstruct **0000**

42) Type of Service
A) On **1** Highway B) Under **5** Waterway

28) Number of Lanes:
A) On **02** B) Under **00**

29) Avg. Daily Traffic **100** % EST.
109) Percent Truck **002** EST.
30) Year of ADT **1991** EST.
19) Bypass, Detour Length **002** miles

GEOMETRIC DATA

48) Length of Max Span **10.83** ft Clear open distance

49) Structure Length **10.83** ft

50) Curb or Sidewalk Widths:
A) Left **000** ft B) Right **000** ft

51) Brg Rdwy width, curb-to-curb **24.50** ft
52) Deck Width, Out-to-Out **26.75** ft
32) Approach Roadway Width **20.34** ft
33) Bridge Median **0**
Deck Area **0** sqft
34) Skew Angle **35** deg
35) Structure Flared **0**
10) Inv. Rte. Min. Vert Clearance **99** ft **99** in
47) Log Inv. Rte. Total Horiz. Clr.: **24.50** ft
47) Rlog Inv. Rte. Total Horiz. C **99** ft
53) Min Vert Clearance Over Bridge **99** ft
54) Min Vert Under Clearance **N** Ref **00** ft **00** in
55) Min Lat Under Clearance on Right **N** Ref **000** ft
56) Min Lat Under Clearance on Left **000** ft

BRIDGE COMMENTS

CLASSIFICATION

112) NBIS Bridge Length	No		
104) Highway System	0 Off System		
26) Functional Class	9 Rural Local Road		
100) Defense Highway	0 Not Defense Highway		
101) Parallel Structure	N No parallel structures exist		
102) Direction of Traffic	2 2-way traffic		
103) Temporary Structure	Not applicable		
110) Designated National Network	0 Not on National Network		
20) Toll	3 On free road		
21) Maintain	3 Town or Township highway		
22) Owner	3 Town or Township highway		
Report Class	L Local		
37) Historical Significance	4 Historical significance is not determinable at this time		

WATERWAY

Drainage Basin Code	3108		
38) Navigation Control	0 No navigation on waterway		
39) Navigation Vert Clr.	000		
116) Vert-Lift Brg Nav Min			
111) Pier Abutment Protection			
40) Navigation Horiz Clr.	0000		

PROPOSED IMPROVEMENTS

75A) Type of Work Proposed			
75B) Work Done By			
76) Length of Struct. Improvement		ft	
94) Bridge Improvement Cost	\$		
95) Roadway Improvement Cost	\$		
96) Total Project Cost	\$		
97) Year of Improvement Cost Est.			
114) Future ADT			
List No.		Project No.	
		115) Year Future ADT	
		Advised	

POSTED SIGNS & UTILITIES

Other Posted Signs 1			
Other Posted Signs 2			
Actual P.L. Single Unit Truck	tons	Actual P.L. 4Axle Truck	tons
Rec. P.L. Single Unit Truck	tons	Rec. P.L. 4Axle Truck	tons
Actual P.L. Semi-Trailer Truck	tons	Actual P.L. 3S2 Truck	tons
Rec. P.L. Semi-Trailer Truck	tons	Rec. P.L. 3S2 Truck	tons
Rec. P.L. All Vehicles	tons	Actual P.L. All Vehicles	tons
Posted Vert Clearance On Bridge	ft	in	
Posted Vert UnderClearanc	ft	in	
Posted Speed Limit	25 mph		
Utility			

STRUCTURE EVALUATION

SHEET 2 OF 2 FORM BRI-19 REV 10/00

SHEET 12 OF 17 (INSP. REPORT)

Inspected By: JHP & MDC

Bridge Number	032014	NBIS Length	
Town Name	Coventry		N
Facility Carried	Parker Bridge Road		
Feature Crossed	Unnamed Brook		

LOAD RATING AND POSTING

31) Design Load	0	Evaluation Code	
63) Operating Rating Type	5	Year of Evaluation	
64) Operating Rating		70) Bridge Posting	
65) Inventory Rating Type	5	41) Structure Status	A
66) Inventory Rating		Open, no restrictions	

CONDITION

	Rating	By
58) Deck	N	N JHP
59) Superstructure	N	N JHP
60) Substructure	N	N JHP
61) Channel & Chan. Protection	6	6 JHP
62) Culverts	4	4 JHP

APPRAISAL

	Rating	By
67) Structure Evaluation	4	4 JHP
68) Deck Geometry	N	N JHP
69) Under Clear Vert & Horiz	N	N JHP
71) Waterway Adequacy	7	7 JHP
72) Approach Rdwy Alignment	6	6 JHP
113) Scour Critical	6	6 JHP

Items 58 Thru 72 Checked By: _____

36) Traffic Safety Features:

A) Bridge Railings	0
B) Transitions	0
C) Approach Guardrail	0
D) Approach Guardrail End	0

OTHER FEATURES

Fence Required		Barrel Ladder	No
Fence Present		Stand Pipes	No
Fence Height	ft	Cat Walks	No
Fence Type		Movable Inspection System	No
Fence Material		Loose Concrete Checked?	No
Fence Top Type			

INSPECTION COMMENTS

Proposed Next Indepth Insp Year		Comments -	
Senior Supervisor			

REVIEWED BY: _____

Date: _____

Bridge No.	032014	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Parker Bridge Road	Date Inspected:	03/03/2021
Feature Crossed:	Unnamed Brook	NLJA Project No.	0519-0086

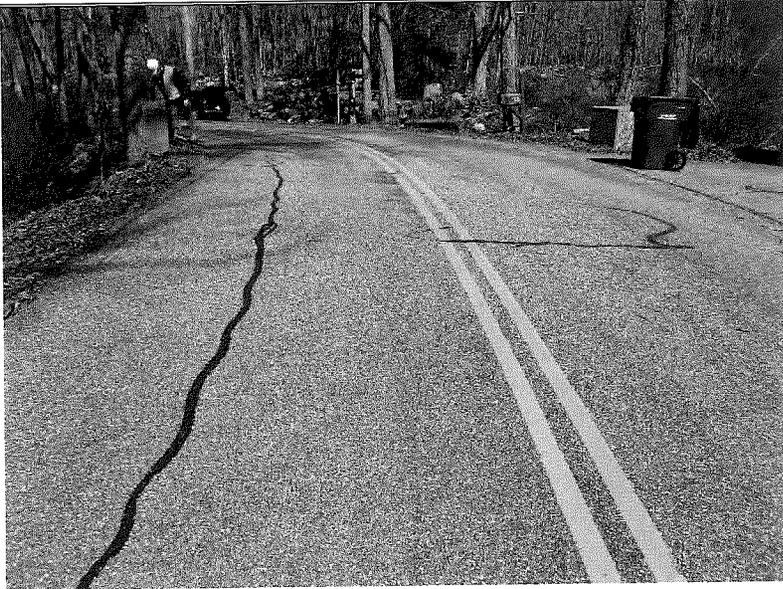


PHOTO 1. Northbound Approach.

PHOTO 2. Southbound Approach.

Bridge No.	032014	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Parker Bridge Road	Date Inspected:	03/03/2021
Feature Crossed:	Unnamed Brook	NLJA Project No.	0519-0086

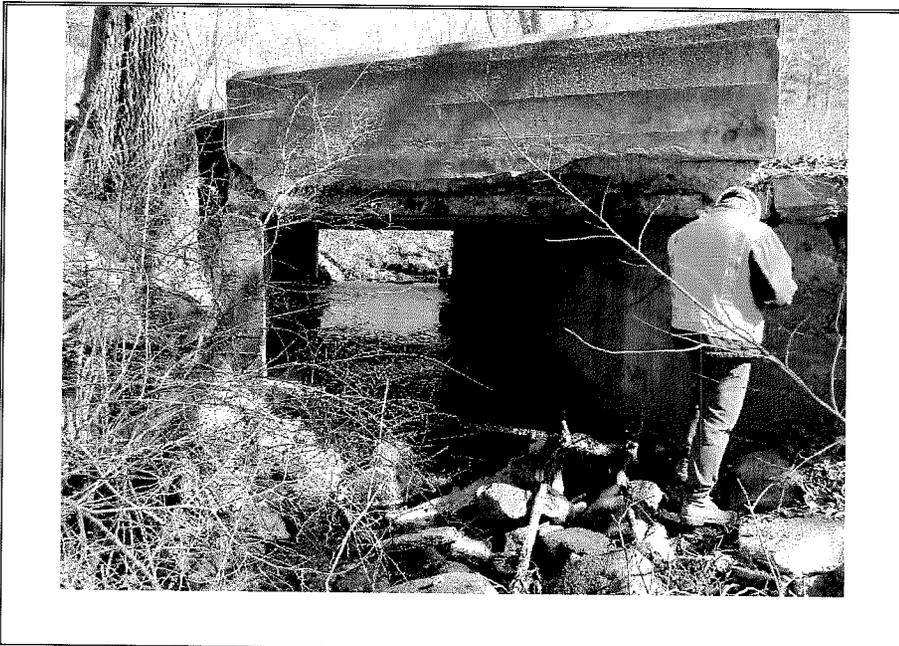


PHOTO 3. Downstream elevation view.



PHOTO 4. Upstream elevation view.

Bridge No.	032014	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Parker Bridge Road	Date Inspected:	03/03/2021
Feature Crossed:	Unnamed Brook	NLJA Project No.	0519-0086



PHOTO 5. Vertical crack in southeast concrete wingwall.

PHOTO 6. Upstream culvert barrel roof with exposed deteriorated steel beams and concrete spalling.

Bridge No.	032014	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Parker Bridge Road	Date Inspected:	03/03/2021
Feature Crossed:	Unnamed Brook	NLJA Project No.	0519-0086

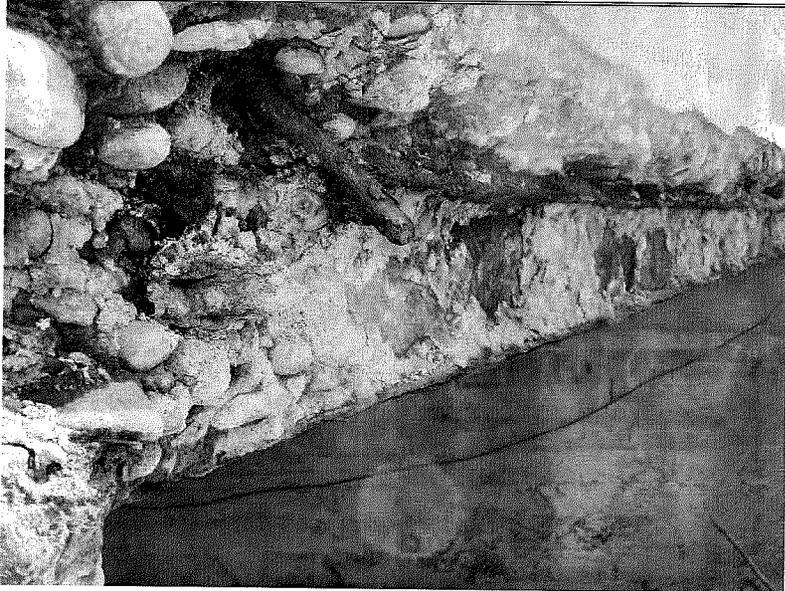


PHOTO 7. Downstream culvert barrel roof with exposed deteriorated steel beams and concrete loss of section.



PHOTO 8. Downstream perched culvert barrel floor.

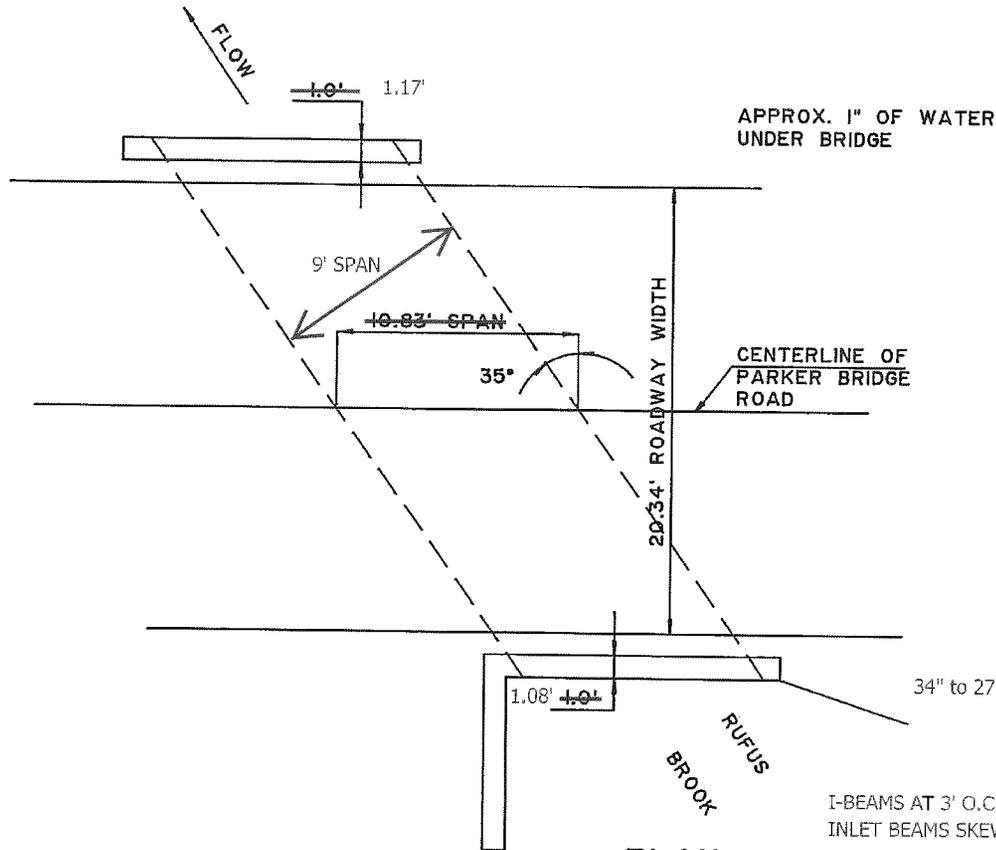
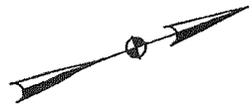
Bridge No.	032014	Inspected by:	J. Howard Pfrommer, P.E.
Town:	Coventry	Inspected by:	Matthew D. Carroll
Feature Carried:	Parker Bridge Road	Date Inspected:	03/03/2021
Feature Crossed:	Unnamed Brook	NLJA Project No.	0519-0086



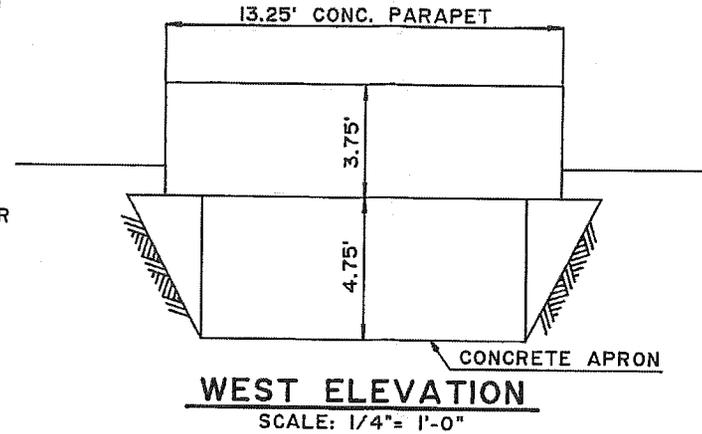
PHOTO 9. Northwest masonry wingwall fully replaced by tree.

PHOTO 10. Southwest masonry wingwall with dislodged and missing stones.

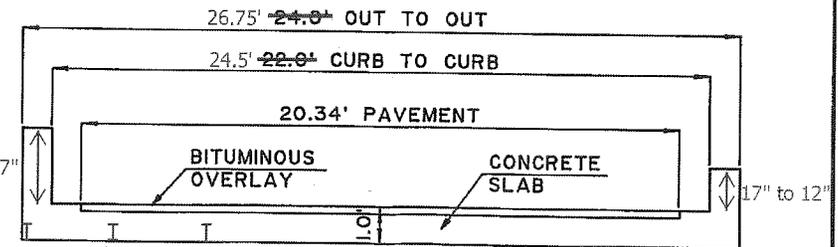
PERFORMED BY: NATHAN L. JACOBSON & ASSOCIATES, INC.
 INSPECTION DATE: 03-03-2021
 INSPECTORS: H. PFROMMER, P.E.
 M. CARROLL



PLAN
 SCALE: 3/16" = 1'-0"



WEST ELEVATION
 SCALE: 1/4" = 1'-0"



CROSS SECTION
 SCALE: 1/4" = 1'-0"

CONC. SLAB

TOWN OF COVENTRY
 PARKER BRIDGE RD. OVER RUFUS BROOK
 SCALE: AS SHOWN NO. 032014 JUNE, 1991

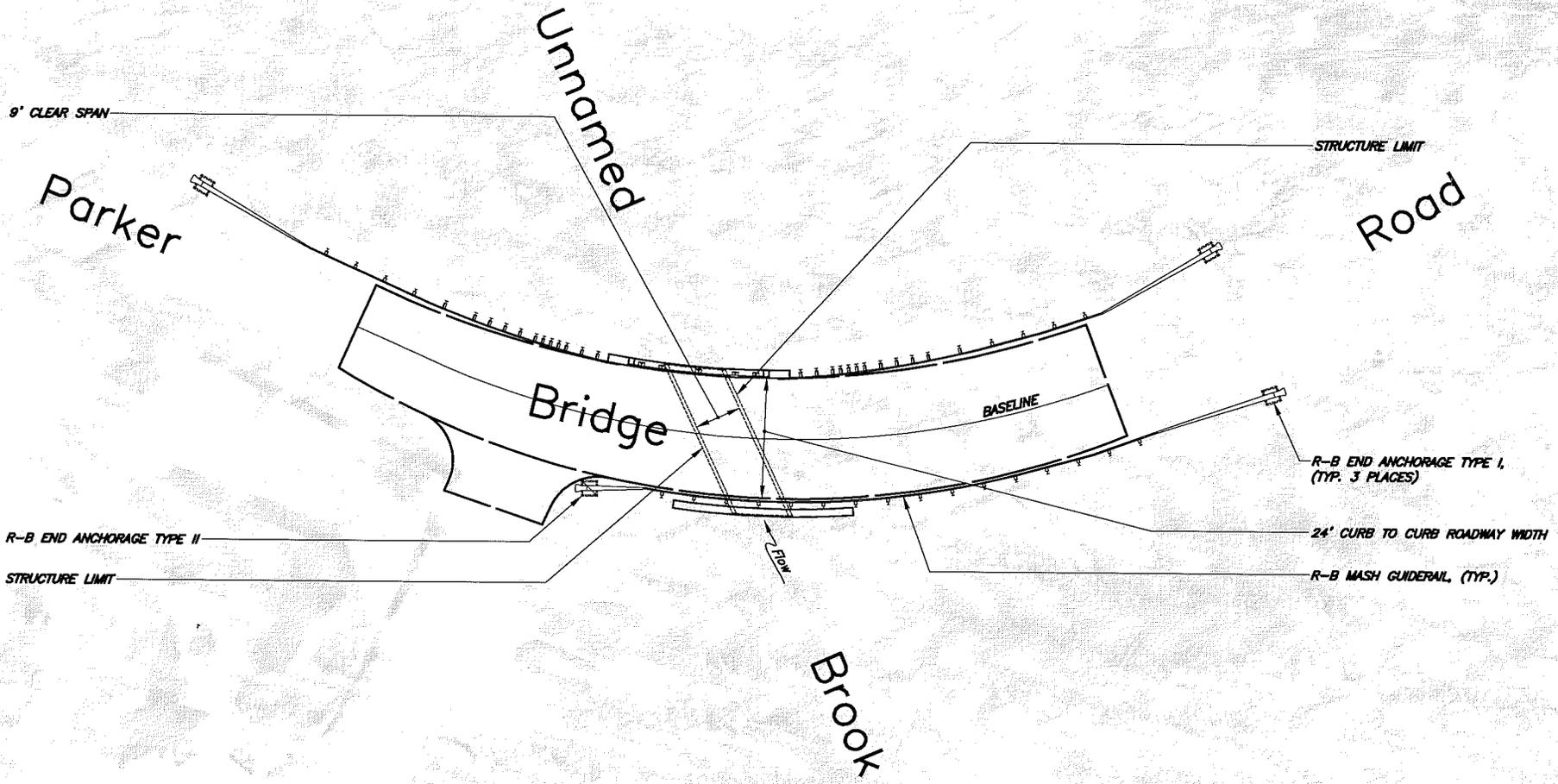


ATTACHMENT B

Attached Drawings and Documents containing *Conceptual Design Drawings* for the Replacement of Bridge No. 0320014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut:

Conceptual Design Drawings..... Sheets 1 to 2

Outline Specifications Pages 1 to 2



REFERENCE:

- 1. AERIAL IMAGE FROM CTECO.

J 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

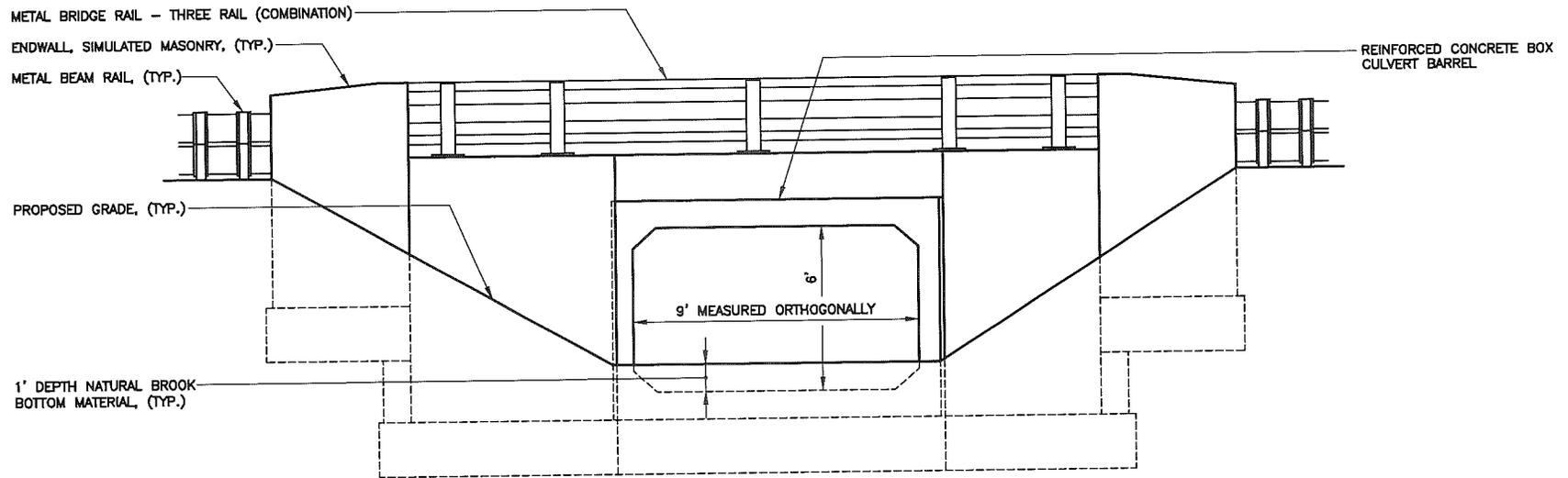
REPLACEMENT OF BRIDGE NO. 032014
 PARKER BRIDGE ROAD OVER UNNAMED BROOK
 COVENTRY, CONNECTICUT

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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DATE:	APRIL 23, 2021	DESIGNED:	MAL
SCALE:	1"=20'	DRAWN:	AJG
PROJECT No.:	05190086	CHECKED:	-
CADD FILE:	05190086SP	SHEET No.:	1 OF 2



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. 032014
 PARKER BRIDGE ROAD OVER UNNAMED BROOK
 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:	APRIL 23, 2021	DESIGNED:	MAL
SCALE:	1"=4'	DRAWN:	AJG
PROJECT No.:	05190086	CHECKED:	-
CADD FILE:	05190086SP	SHEET No.:	2 OF 2

Outline Specifications
for
Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook
Coventry, Connecticut

Division I: General Requirements and Covenants

Section:

- 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
- 2.04 Cofferdam and Dewatering, Cofferdam Material Left in Place
- 2.09 Subgrade
- 2.11 Anti-Tracking Pad
- 2.12 Subbase
- 2.16 Pervious Structure Backfill
- 2.19 Sedimentation Control System

Base Courses

Section:

- 3.04 Processed Aggregate Base

Surface Courses or Pavements

Section:

- 4.06 Bituminous Concrete

Structures

Section:

- 6.01 Concrete for Structures
- 6.02 Reinforcing Steel

Incidental Construction

Section:

- 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
- 9.50 Turf Establishment, Erosion Control Matting
- 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:

- 12.10 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.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.18 Signing

ATTACHMENT C

Assumed breakdown of *Preliminary Engineering Fees* for the Replacement of Bridge No. 032014
Parker Bridge Road over Unnamed Brook, Coventry, Connecticut:

Survey.....	\$10,000
Preliminary Design	\$37,100
Permits.....	\$15,000
<u>Final Design.....</u>	<u>\$55,515</u>
TOTAL.....	\$117,615

ATTACHMENT D

Attached Spreadsheet containing: *Detailed Estimate of Construction Cost* for the Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut:

2023 Conceptual Design Opinion of Probable Construction CostsPages 1 to 2

NATHAN L. JACOBSON & ASSOCIATES, INC.
 Consulting Civil and Environmental Engineers Since 1972
 Chester, Connecticut

2023 CONCEPTUAL OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook
 JOB NO.: 0519-0086
 BY: MAL
 DATE: 7/2/2021

TOWN: Coventry, CT

CHECKED BY: MDC
 DATE: 7/8/2021

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
0202000	EARTH EXCAVATION	200	C.Y.	\$ 22.80	\$ 4,560.00
0202100	ROCK EXCAVATION	20	C.Y.	\$ 49.60	\$ 992.00
0202216	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	8	C.Y.	\$ 79.00	\$ 632.00
0202217	SUPPLEMENTAL STREAMBED CHANNEL MATERIAL	12	C.Y.	\$ 50.00	\$ 600.00
0202351	UNSUITABLE MATERIAL EXCAVATION	5	C.Y.	\$ 24.60	\$ 123.00
0202529	CUT BITUMINOUS CONCRETE PAVEMENT	50	L.F.	\$ 2.60	\$ 130.00
0203202	STRUCTURE EXCAVATION-EARTH (EXCLUDING COFFERDAM AND DEWATERING)	425	C.Y.	\$ 35.20	\$ 14,960.00
0203304	STRUCTURE EXCAVATION - ROCK (EXCLUDING COFFERDAM & DEWATERING)	25	C.Y.	\$ 80.60	\$ 2,015.00
0204001	COFFERDAM AND DEWATERING	200	L.F.	\$ 475.00	\$ 95,000.00
0204153	HANDLING WATER	1	EST.	\$ 35,000.00	\$ 35,000.00
0209001	FORMATION OF SUBGRADE	410	S.Y.	\$ 3.00	\$ 1,230.00
0210300	OIL ABSORBENT BOOM	100	L.F.	\$ 23.75	\$ 2,375.00
0210301	OIL ABSORBENT BLANKET	200	L.F.	\$ 4.60	\$ 920.00
0211000	ANTI-TRACKING PAD	225	S.Y.	\$ 22.80	\$ 5,130.00
0212000	SUBBASE	100	C.Y.	\$ 44.60	\$ 4,460.00
0216000	PERVIOUS STRUCTURE BACKFILL	375	C.Y.	\$ 47.40	\$ 17,775.00
0219001	SEDIMENTATION CONTROL SYSTEM	200	L.F.	\$ 6.40	\$ 1,280.00
0304002	PROCESSED AGGREGATE BASE	50	C.Y.	\$ 46.60	\$ 2,330.00
0406171	HMA S0.5	60	TON	\$ 121.40	\$ 7,284.00
0406172	HMA S0.375	35	TON	\$ 111.40	\$ 3,899.00
0406173	HMA S0.25	2	TON	\$ 118.20	\$ 236.40
0406236	MATERIAL FOR TACK COAT	25	GAL	\$ 5.80	\$ 145.00
0406303	SAWING AND SEALING JOINTS	52	L.F.	\$ 6.00	\$ 312.00
0601119	9' X 6' PRECAST CONCRETE BOX CULVERT	30	L.F.	\$ 2,000.00	\$ 60,000.00
0601733.40	CLASS PCC03340	35	C.Y.	\$ 737.80	\$ 25,823.00
0601744.60	CLASS PCC04460	25	C.Y.	\$ 859.00	\$ 21,475.00
0601504	1" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	80	S.F.	\$ 11.40	\$ 912.00
0602030	DEFORMED STEEL BARS - GALVANIZED	6,000	LB.	\$ 2.00	\$ 12,000.00
0703011	INTERMEDIATE RIPRAP	60	C.Y.	\$ 87.00	\$ 5,220.00
0707009	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	42	S.Y.	\$ 60.60	\$ 2,545.20
0708001	DAMP-PROOFING	80	S.Y.	\$ 17.00	\$ 1,360.00
0728008	3/8" CRUSHED STONE	35	C.Y.	\$ 65.00	\$ 2,275.00
0755009	GEOTEXTILE	150	S.Y.	\$ 3.40	\$ 510.00
0811001	CONCRETE CURBING	85	L.F.	\$ 35.00	\$ 2,975.00
0822001	TEMPORARY PRECAST CONCRETE BARRIER CURB	40	L.F.	\$ 34.00	\$ 1,360.00
0904304	METAL BRIDGE RAIL - THREE RAIL (COMBINATION)	27	L.F.	\$ 275.00	\$ 7,425.00
0910188	R-B 350 BRIDGE ATTACHMENT-VERTICAL SHAPE PARAPET 10GA	4	EA.	\$ 2,840.00	\$ 11,360.00
0910300	METAL BEAM RAIL (R-B MASH)	160	L.F.	\$ 23.40	\$ 3,744.00
0911923	R-B END ANCHORAGE-TYPE I	3	EA.	\$ 1,484.40	\$ 4,453.20
0911924	R-B END ANCHORAGE-TYPE II	1	EA.	\$ 1,420.40	\$ 1,420.40
0922501	BITUMINOUS CONCRETE DRIVEWAY	35	S.Y.	\$ 52.60	\$ 1,841.00
0939001	SWEEPING FOR DUST CONTROL	40	HR	\$ 89.80	\$ 3,592.00
0944000	FURNISHING AND PLACING TOPSOIL	160	S.Y.	\$ 7.80	\$ 1,248.00
0946001	LIMING	0.1	TON	\$ 703.80	\$ 70.38
0950005	TURF ESTABLISHMENT	160	S.Y.	\$ 1.40	\$ 224.00
0950013	EROSION CONTROL MATTING	160	S.Y.	\$ 3.00	\$ 480.00
0969060	CONSTRUCTION FIELD OFFICE, SMALL	5	MO.	\$ 2,812.00	\$ 14,060.00
0974001	REMOVAL OF EXISTING MASONRY	45	C.Y.	\$ 262.60	\$ 11,817.00
0976002	BARRICADE WARNING LIGHTS - HIGH INTENSITY	1,260	DAY	\$ 0.80	\$ 1,008.00
0979003	CONSTRUCTION BARRICADE TYPE III	6	EA.	\$ 132.80	\$ 796.80
1210111	4" YELLOW TYPE I EPOXY RESIN PAVEMENT MARKINGS	300	L.F.	\$ 1.00	\$ 300.00

1220013	CONSTRUCTION SIGNS - BRIGHT FLUORESCENT SHEETING	200	S.F.	\$ 53.20	\$ 10,640.00
1802210.04	TEMPORARY SAND BARREL (400 LB.)	6	EA.	\$ 383.00	\$ 2,298.00
1802210.07	TEMPORARY SAND BARREL (700 LB.)	8	EA.	\$ 385.40	\$ 3,083.20
1802210.21	TEMPORARY SAND BARREL (2100 LB.)	8	EA.	\$ 396.20	\$ 3,169.60

Subtotal: \$ 420,874.18

0201001	CLEARING & GRUBBING (as % of total contract items)			2.0%	\$ 14,639
0971001A	M&P of TRAFFIC (as % of total contract items)			3.0%	\$ 21,959
0975002	MOBILIZATION AND PROJECT CLOSEOUT (as % of total contract items)			6.5%	\$ 47,577
0980001	CONSTRUCTION STAKING (as % of total contract items)			1.0%	\$ 7,320
	MINOR ITEM ALLOWANCE (as % of total contract items)			30.0%	\$ 219,587

Base Estimate \$ 731,956

INFLATION (See note below)				7.1%	\$ 52,115
----------------------------	--	--	--	------	-----------

OPINION OF PROBABLE CONSTRUCTION COST WITH INFLATION \$ 784,071
SAY: \$ 784,100

NOTES:

- Unit prices are generally from the CTDOT "English Item Master File" dated May 2021. Remaining unit prices are from NLJA files, engineering judgement, or previous year CTDOT Item Master File with a 3.5% per year inflation.
- Quantities are from conceptual design drawings.
- Recurring lump sum items and minor items allowance are in accordance with the recommendations in the "Connecticut DOT 2019 Cost Estimating Guidelines".
- An inflation factor of $((1.035)^{(2023-2021)} - 1.0) \times 100 = 7.12\%$ was utilized.
- 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.

ATTACHMENT E

Attached sheet containing: *photos of existing conditions* for the Replacement of Bridge No. 0320014 Parker Bridge Road over Unnamed Brook, Coventry, Connecticut:

Existing Condition PhotosPages 1 to 4

Existing Condition Photos
for
Replacement of Bridge No. 032014 Parker Bridge Road over Unnamed Brook
Coventry, Connecticut



Photo 1: Upstream elevation view.



Photo 2: Downstream elevation view.



Photo 3: Downstream parapet deterioration and tree overtaking northwest wingwall.



Photo 4: Exposed rusted steel beams along culvert ceiling and exposed aggregate throughout culvert walls and ceiling.

Capital Improvement Plan

FY 23 *thru* FY 27

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:** \$315,000
 This category of project is for large scale drainage improvements not part of the summer road program.
 Projects include: Pilgrim Hills and Twin Hills.

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

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	175,000	20,000			20,000		100,000	315,000
Total	175,000	20,000			20,000		100,000	315,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	175,000	20,000			20,000		100,000	315,000
Total	175,000	20,000			20,000		100,000	315,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 09-PW-09
Project Name Small Bridge and Culverts

Type Maintenance **Department** Public Works
Useful Life 25 years **Contact**
Category Infrastructure - Culverts major **Priority** 3 Important

Description **Total Project Cost:** \$227,000
 Replacement and repair of small bridges and box culverts.
 Project will include repairs to Root Road culvert replacement and future projects include Babcock Hill.

Justification
 Small bridges and large culverts need ongoing maintenance. A schedule of minor painting, chinking, head walls, and guard rail maintenance is being prepared.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	87,000		20,000	20,000	20,000	20,000	60,000	227,000
Total	87,000		20,000	20,000	20,000	20,000	60,000	227,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	87,000		20,000	20,000	20,000	20,000	60,000	227,000
Total	87,000		20,000	20,000	20,000	20,000	60,000	227,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-PW-11
Project Name Field Irrigation



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

Description **Total Project Cost:** \$40,000
 Install irrigation systems in athletic fields. The first priority will be using the well at the baseball complex to draw water from for the Miller Richardson complex, followed by enhancements at Laidlaw.

Justification
 Without irrigation it is difficult to maintain healthy and safe athletic fields. With the implementation of Integrated Pest Management and the restriction of use of pesticides on public fields the need for water has become even greater. Grass which is under stress is more prone to insect attack.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	20,000		20,000					40,000
Total	20,000		20,000					40,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	20,000		20,000					40,000
Total	20,000		20,000					40,000

Budget Impact/Other
 New costs of pump maintenance.

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-PW-14
Project Name Small Dump Trucks



Type Equipment
Useful Life 10 years
Category Vehicles - Construction
Department Public Works
Contact Public Works Director
Priority 2 Very Important

Description **Total Project Cost:** \$554,500

Replacing smaller dump trucks used for facility maintenance and plowing the smaller lake association roads and smaller parking areas.

CV 7 is a 2010 F550 with 86,321 miles. It is the public works vehicle used to plow the lake area and is also used to support the crews plowing at Town Buildings.

Next small dump is CV69, a 2013 Terra star which a design flaw in the engine which has been replaced once already. A sudden failure is not unexpected and another engine replacement will not be prudent.

Justification

The smaller dumps need to be replaced at 10 years. We purchase them with heavy weight springs to accept a small sander. Plows are replaced with the vehicle.

CV-38 will be 12 years old and has a substantial amount of rust on the cab.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	234,500	95,000			105,000		120,000	554,500
Total	234,500	95,000			105,000		120,000	554,500

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Capital NonRecurring Fund	114,500							114,500
General Fund							120,000	120,000
Lease Purchase	120,000	95,000			105,000			320,000
Total	234,500	95,000			105,000		120,000	554,500

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-PW-15
Project Name Pick-up Trucks

Type Equipment
Useful Life 10 years
Category Vehicles - Cars & Light Trucks
Department Public Works
Contact Public Works Director
Priority 3 Important



Description **Total Project Cost:** \$311,500
 Replacement of pick-up trucks on a scheduled basis. Normal life is 12 to 15 years
 Next up is a 2001 (CV 74) with 175,880 miles which is currently out of service. We will need additional vehicles if we are adding staff to DPW.

Justification
 Pick-up trucks are used to move mowers, and summer workers. They are also used for Hhghway staff for smaller projects when a large truck is not required such as roadside mowing, flagging etc. Their use extends the life of the more expensive dumps.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	139,000	50,000			57,500		65,000	311,500
Total	139,000	50,000			57,500		65,000	311,500

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Capital NonRecurring Fund	70,000							70,000
General Fund	69,000	50,000			57,500		65,000	241,500
Total	139,000	50,000			57,500		65,000	311,500

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 09-PW-16
Project Name Mowers (fine cut)

Type Equipment
Useful Life 10 years
Category Equipment - Ground Maintenanac
Department Public Works
Contact Public Works Director
Priority 2 Very Important



Description **Total Project Cost:** \$128,500
 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.
 Replace FX 18 which is a 2006 mower. Next up is a 2013 FX26 followed by a 2016 FX32.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings	83,500	13,500	15,000		16,500			128,500
Total	83,500	13,500	15,000		16,500			128,500

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Capital NonRecurring Fund		13,500						13,500
General Fund	15,000		15,000		16,500			46,500
Lease Purchase	68,500							68,500
Total	83,500	13,500	15,000		16,500			128,500

Budget Impact/Other
 Additional mowing, and turf maintenance will be required.

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 09-PW-19
Project Name Urban Forestry Stewardship

Type Maintenance **Department** Public Works
Useful Life 10 years **Contact** Public Works Director
Category Land - Grounds Improvements **Priority** 3 Important

Description **Total Project Cost:** \$90,000
 This is a tree and urban forestry program for all town properties, to include a comprehensive inventory, thinning of the current crop, long term maintenance plan, selected removal, and careful replanting.
 Proposed to be funded through American Rescue Plan funds.

Justification
 Removing trees in a scheduled fashion avoids the dangers and expenses of sudden collapse.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	25,000	35,000		30,000				90,000
Total	25,000	35,000		30,000				90,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund	25,000			30,000				55,000
State/Federal Grant/Loan		35,000						35,000
Total	25,000	35,000		30,000				90,000

Budget Impact/Other
 Catching up on the backlog of trees will reduce the pressure on the operating budget.
 Proposed to be funded through American Rescue Plan funds.

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	11-PW-03
Project Name	Sidewalk Extension and Repair

Type Maintenance	Department Public Works
Useful Life 10 years	Contact Public Works Director
Category Land - Paved Improvements	Priority 4 Less Important

Description	Total Project Cost: \$30,000
Funds need to be set aside to maintain existing sidewalks and minor connections.	

Justification

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	15,000		15,000					30,000
Total	15,000		15,000					30,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund			15,000					15,000
LOCIP	15,000							15,000
Total	15,000		15,000					30,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

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: \$40,000
Various projects to maintain open space including removal of invasives, path maintenance, blazing, harvesting and junk removal.	

Justification

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	20,000		10,000		10,000			40,000
Total	20,000		10,000		10,000			40,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	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
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 13-PW-07
Project Name Tri-axle Dump Truck



Type Equipment
Useful Life 15-20 years
Category Equipment - Highway Equip
Department Public Works
Contact Public Works Director
Priority 3 Important

Description **Total Project Cost:** \$225,000
 20 yard tri-axle dump truck with plow.

Justification
 Has double hauling capacity and could be used for a plow route of major roadways without cul-de-sacs or narrow sections.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings				225,000				225,000
Total				225,000				225,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Lease Purchase				225,000				225,000
Total				225,000				225,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 13-PW-08
Project Name Guardrail

Type Improvement
Useful Life 20 years
Category Infrastructure

Department Public Works
Contact Public Works Director
Priority 3 Important



Description **Total Project Cost:** \$100,000
 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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	35,000	25,000		20,000		10,000	10,000	100,000
Total	35,000	25,000		20,000		10,000	10,000	100,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
LOCIP	35,000	25,000		20,000		10,000	10,000	100,000
Total	35,000	25,000		20,000		10,000	10,000	100,000

Budget Impact/Other

Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 13-PW-10
Project Name Wheelloader

Type Equipment
Useful Life 15-20 years
Category Vehicles - Construction

Department Public Works
Contact Public Works Director
Priority 2 Very Important



Description **Total Project Cost:** \$210,000
 Purchase a replacement Wheeloader for the 1988 L90 both for loading trucks and plowing major parking lots.

Justification
 Current vehicle has reached end of life.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		210,000						210,000
Total		210,000						210,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Bonding		210,000						210,000
Total		210,000						210,000

Budget Impact/Other



November 21, 2021

Town of Coventry
1712 Main Street
Coventry, CT 06238

Attn: Bill Watkins

We are pleased to quote the following Caterpillar Wheel Loader.
Per Sourcwell Contract 032119-CAT

We are pleased to quote the following piece of Caterpillar equipment.

Caterpillar 930M Wheel Loader:

Enclosed Cab with Heat and A/C, Deluxe Seat, Ride Control, Fusion Hydraulic Coupler, 3V Auxiliary Hydraulics, Heavy Counterweight Option.

	<u>List</u>	<u>Net 24% Discount</u>
Per Spec	\$ 279,427.00	\$ 212,364.52
Additional Attachments	<u>List</u>	<u>Net 24% Discount</u>
ISO 23727 Quick Coupler Kit	\$ 6,833.00	\$ 5,193.00
3.0yd General Purpose ISO Bucket	\$ 8,708.00	\$ 6,618.00
Fusion Coupler Credit	\$ 4,655.00	\$ (3,538.00)
3.0yd General Purpose Fusion Bucket Credit	\$ 8,708.00	\$ (6,618.00)
Accessories		
(4) 20.5R25 Nokian Hakkapeliitta #T445591		\$ 9,000.00
OEM Tire Buyback Credit		\$ (5,900.00)
Total Purchase Price with all options		\$ 217,119.52
Additional Dealer Discount:		\$ (27,119.52)
Trade Credit: NONE		\$ 0.00
	TOTAL	\$ 190,000.00

Sincerely,

Reed Hofmann
Machine Sales Representative

H. O. PENN MACHINERY COMPANY, INC.

Bronx, NY
10465
699 Brush
Avenue
(718) 863-3800

Holtsville, NY
11742
660 Union
Avenue
(631) 758-7500

Holtsville, NY
11742
15 Middle Avenue
(631) 758-7500

Poughkeepsie, NY
12603
122 Noxon Road
(845) 452-1200

Newington, CT
06111
225 Richard
Street
(860) 666-8401

Bloomington, NY
12721
783 Bloomington
Road
(845) 733-6400



Cat[®] 930M

WHEEL LOADER

M SERIES – MAKING YOUR CHOICE EASY:

- Enjoy All Day Comfort** – Have a seat in the new M Series Small Wheel Loader and enjoy automatic temperature control, class leading sound levels, excellent all around visibility and low-effort joystick controls that move with you on a fully adjustable seat suspension. A large spacious operator environment combined with Caterpillar’s hydraulic cylinder damping and smooth predictable controls make this the most comfortable seat on your job site.
- Work Made Easy** – Move more with Caterpillar’s patented quick loading Performance Series buckets and optimized Z-bar linkage with enhanced forward visibility that combines the digging efficiency of a traditional Z-bar with tool carrier capabilities. The parallel lift and high tilt forces throughout the working range allow you to confidently handle loads with precise control.

Multi-function work has never been easier with dedicated pumps for each system and a flow sharing implement valve governed by an intelligent power management system. Simultaneously lift, steer and drive without compromise. The M Series Small Wheel Loader simply does what you ask it to do.

- Efficiently Powerful** – Experience hybrid like fuel efficiency with an intelligent hydrostatic power train and industry leading fuel savings through a lower maximum engine speed of just 1,600 rpm in Standard Mode. Power when you need it with Caterpillar’s exclusive Power-by-Range technology that increases power in Range 4 for improved speed on grade. For your toughest and most demanding applications a new Performance Mode will allow you to boost the power and hydraulic speed in all Ranges to get the job done even quicker. Meets U.S. EPA Tier 4 Final/EU Stage V emission standards with a Cat[®] C7.1 engine that is designed to manage itself so you can concentrate on your work.
- Customize Your Experience** – Meet your application requirements and individual preferences with Caterpillar’s industry first Hystat[™] Operator Modes featuring four unique power train settings. Select classic Torque Converter for smooth rollout, conventional Hystat for aggressive engine braking, an Ice Mode that maximizes your control on slippery underfoot, or default mode which blends the best of Hystat and Torque Converter characteristics. Fine tune machine performance with adjustments at your fingertips through the soft touch buttons and optional secondary display. Quickly set hydraulic response along with linkage kick-out positions, maximum wheel torque, and peak ground speed to efficiently perform a multitude of tasks.

Specifications

Engine

Engine Model	Cat C7.1**			
Power Mode	Standard Mode		Performance Mode	
Speed Range	Range 1-3*		Range 1-4	
Maximum Gross Power				
Maximum Engine Speed	1,600 rpm		1,800 rpm	
ISO 14396	119 kW	160 hp	125 kW	168 hp
ISO 14396 (DIN)	162 mhp		170 mhp	
Rated Net Power	1,600 rpm		1,800 rpm	
SAE J1349 at				
Minimum Fan Speed	116 kW	156 hp	122 kW	163 hp
ISO 9249 at				
Minimum Fan Speed	116 kW	156 hp	122 kW	164 hp
ISO 9249 (DIN) at				
Minimum Fan Speed	158 mhp		166 mhp	

Engine (continued)

	Standard Mode		Performance Mode	
Maximum Gross Torque				
ISO 14396	795 N-m	586 lbf-ft	815 N-m	601 lbf-ft
Maximum Net Torque				
SAE J1349	777 N-m	573 lbf-ft	797 N-m	588 lbf-ft
ISO 9249:2007	776 N-m	572 lbf-ft	796 N-m	587 lbf-ft
Displacement	7.01 L	427 in ³	7.01 L	427 in ³

- Net power ratings are tested at the reference conditions for the specified standard and denote power available at the flywheel when the engine is equipped with alternator, air cleaner, emission components and fan at specified speed.
- *Range 4 power and torque is equal to Performance Mode with Caterpillar Power by Range technology.
- **The Cat C7.1 engine meets Tier 4 Final/Stage V off-highway emission standards.



930M Wheel Loader

Buckets

Bucket Capacities – General Purpose	2.1-2.7 m ³	2.7-3.5 yd ³
Bucket Capacities – Light Material	3.1-5.0 m ³	4.0-6.5 yd ³

Steering

Steering Articulation Angle (each direction)	40°	
Maximum Flow – Steering Pump	130 L/min	34 gal/min
Maximum Working Pressure – Steering Pump	24 130 kPa	3,500 psi
Maximum Steering Torque:		
0 degrees (straight machine)	50 375 N·m	37,155 lbf·ft
40 degrees (full turn)	37 620 N·m	27,747 lbf·ft
Steering Cycle Times (full left to full right):		
At 1,800 rpm: 90 rpm steering wheel speed	2.4 seconds	
Number of Steering Wheel Turns – full left to full right or full right to full left	3.5 turns	

Loader Hydraulic System

Maximum Flow – Implement Pump	190 L/min	50 gal/min
3rd Function Maximum Flow*	190 L/min	50 gal/min
4th Function Maximum Flow*	160 L/min	42 gal/min
Maximum Working Pressure – Implement Pump	26 000 kPa	3,771 psi
Relief Pressure – Tilt Cylinder	28 000 kPa	4,061 psi
3rd and 4th Function Maximum Working Pressure	26 000 kPa	3,771 psi
3rd and 4th Function Relief Pressure	28 000 kPa	4,061 psi
Hydraulic Cycle Times:	Standard Mode	Performance Mode
	At 1,600 rpm	At 1,800 rpm
Raise (ground level to maximum lift)	5.7 seconds	5.1 seconds
Dump (at maximum lift height)	1.7 seconds	1.5 seconds
Float Down (maximum lift to ground level)	2.7 seconds	2.7 seconds
Total Cycle Time	10.1 seconds	9.3 seconds

*3rd and 4th function flow is fully adjustable from 20% to 100% of maximum flow through the secondary display, when equipped.

Service Refill Capacities

Fuel Tank	195 L	51.5 gal
Cooling System	30 L	7.9 gal
Engine Crankcase	20 L	5.3 gal
Transmission (gearbox)	8.5 L	2.2 gal
Axles:		
Front	26 L	6.9 gal
Rear	25 L	6.6 gal
Hydraulic System (including tank)	165 L	43.6 gal
Hydraulic Tank	90 L	23.8 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	5 gal

- DEF used in Cat SCR systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.

Transmission

Forward and Reverse:		
Range 1*	1-13 km/h	0.6-8 mph
Range 2	13 km/h	8 mph
Range 3	27 km/h	17 mph
Range 4	40 km/h	25 mph

*Creeper control allows maximum speed range adjustability from 1 km/h (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display, when equipped. Factory default is 7 km/h (4.4 mph).

Tires

Standard Size	20.5 R25, radial (L-3)	
Other Choices Include:	20.5 R25, radial (L-2)	20.5-25 16PR (L-5)
	20.5 R25, radial (L-5)	600/65 R25 radial (L-3)
	20.5-25 12PR (L-2)	Skidder/Agriculture
	20.5-25 12PR (L-3)	Solid Tires

- Other tire choices are available. Contact your Cat dealer for details.
- In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities.
- Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level II

- Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.
- The declared dynamic operator sound pressure levels per ISO 6396:2008*, when properly installed and maintained, are:
 - Standard cab: 68 ±3 dB(A)
 - Deluxe cab: 66 ±2 dB(A)

*The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

Sound

Operator Sound Pressure (ISO 6396:2008)	72 dB(A)
Average Exterior Sound Pressure (ISO 6395:2008)	101 dB(A)

- European Union Directive "2000/14/EC"

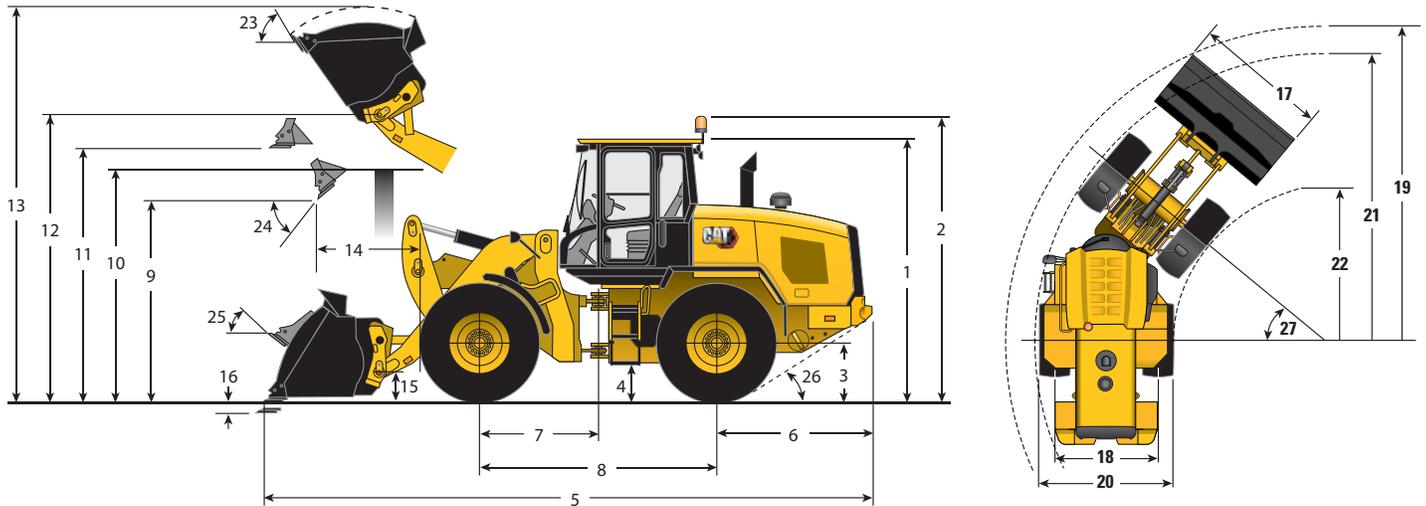
Axles

Front	Fixed
	Locking differential (standard)
Rear	Oscillating ±11 degrees
	Open differential (standard)
	Limited slip differential (optional)

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.9 kg of refrigerant which has a CO₂ equivalent of 2.717 metric tonnes.

Dimensions and Operating Specifications (All dimensions are approximate. Dimensions vary with bucket and tire choice.)



	Standard Lift		High Lift	
** 1 Height: Ground to Cab	3340 mm	10'11"	3340 mm	10'11"
** 2 Height: Ground to Beacon	3707 mm	12'2"	3707 mm	12'2"
** 3 Height: Ground Axle Center	685 mm	2'3"	685 mm	2'3"
** 4 Height: Ground Clearance	397 mm	1'4"	397 mm	1'4"
* 5 Length: Overall	7530 mm	24'8"	8324 mm	27'4"
6 Length: Rear Axle to Bumper	1993 mm	6'6"	1993 mm	6'6"
7 Length: Hitch to Front Axle	1500 mm	4'11"	1500 mm	4'11"
8 Length: Wheel Base	3000 mm	9'10"	3000 mm	9'10"
* 9 Clearance: Bucket at 45 degrees	2828 mm	9'3"	3421 mm	11'3"
** 10 Clearance: Load Over Height	3331 mm	10'11"	3540 mm	11'7"
** 11 Clearance: Level Bucket	3580 mm	11'9"	4173 mm	13'8"
** 12 Height: Bucket Pin	3907 mm	12'10"	4500 mm	14'9"
** 13 Height: Overall	5147 mm	16'11"	5740 mm	18'10"
* 14 Reach: Bucket at 45 degrees	1064 mm	3'6"	1385 mm	4'7"
15 Carry Height: Bucket Pin	390 mm	1'3"	624 mm	2'1"
** 16 Dig Depth	100 mm	3.9"	135 mm	5.3"
17 Width: Bucket	2550 mm	8'4"	2550 mm	8'4"
18 Width: Tread Center	1930 mm	6'4"	1930 mm	6'4"
19 Turning Radius: Over Bucket	5933 mm	19'6"	6322 mm	20'9"
20 Width: Over Tires	2540 mm	8'4"	2540 mm	8'4"
21 Turning Radius: Outside of Tires	5402 mm	17'9"	5402 mm	17'9"
22 Turning Radius: Inside of Tires	2851 mm	9'4"	2851 mm	9'4"
23 Rack Angle at Full Lift	54 degrees		53 degrees	
24 Dump Angle at Full Lift	49 degrees		48 degrees	
25 Rack Angle at Carry	43 degrees		49 degrees	
26 Departure Angle	33 degrees		33 degrees	
27 Articulation Angle	40 degrees		40 degrees	
* Tipping Load – Straight (ISO 14397-1)	10 349 kg	22,814 lb	7464 kg	16,454 lb
* Tipping Load – Full Turn (ISO 14397-1)	8811 kg	19,424 lb	6287 kg	13,860 lb
* Breakout	12 884 kg	28,404 lb	12 568 kg	27,707 lb
* Operating Weight	14 235 kg	31,382 lb	14 520 kg	32,010 lb

*Vary with bucket.

**Vary with tire.

Dimensions listed are for a machine configured with 2.1 m³ (2.7 yd³) general purpose Fusion™ bucket, bolt-on cutting edge, standard counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 20.5 R25 (L-3) XHA2 tires.

930M Wheel Loader

STANDARD EQUIPMENT

POWER TRAIN

- Axle Duo-Cone™ seal guards
- Auto idle shut down feature
- Cat C7.1 engine
 - Power modes (Standard and Performance)
 - Power by range (High Power in Range 4)
 - Turbocharged and aftercooled
 - Diesel particulate filter (Fit for Life)
- Coded start (requires secondary display)
- Differential lock in front axle
- Enclosed wet disc full hydraulic brakes
- Hydraulically driven demand cooling fan
- Hydrostatic transmission with electronic control
 - Operator modes (Default, TC, Hystat, and Ice)
 - Directional Shift Aggressiveness (fast, medium, slow)
 - Rimpull control, adjust wheel torque
 - Creeper control, adjust ground speed
- Parking brake, electric
- Single plane cooling package wide six fins per inch density
- Oil sampling ports
- Throttle lock and max speed limiter

HYDRAULICS

- Automatic lift lower and tilt kickouts, adjustable in-cab
- Bucket and fork modes, adjustable in-cab
- Cylinder damping at kickout and mechanical end stops
- Fine mode control (fast, medium, slow)
- Hydraulic response setting (fast, medium, slow)
- Load sensing hydraulics and steering
- Seat-mounted hydraulic joystick controls

ELECTRICAL

- Alternator, 115 amp, heavy duty
- Batteries, 1,000 CCA (2) 24V system, disconnect switch
- Back-up alarm
- Emergency shutdown switch
- Halogen work and roading lights, LED rear tail lights
- Product Link™ PRO with three year subscription
- Remote jump start post
- Resettable main and critical function breakers

OPERATOR ENVIRONMENT

- 75 mm (3 in) High-Vis retractable seat belt, with audible alarm and indicator
- Automatic temperature control
- Cab, pressurized
- Camera, rearview, with dedicated display
- External heated mirrors with lower parabolic
- Ground level cab door release
- Hydraulic control lockout
- Mirror, single
- Lunch box storage
- Radio ready speakers
- Rear window defrost, electric
- Column mounted multi function control – lights, wipers, turn signal
- Tilt and telescopic steering wheel
- Tinted front glass
- Wet arm wiper/washer, 2-speed and intermittent, front, lights, wipers, turn signal
- Suspension seat, fabric

OTHER STANDARD EQUIPMENT

- Large-access enclosure doors with adjustable close/open force
- Cat optimized Z-bar linkage with parallel lift
- Recovery hitch, with pin
- Remote mounted lubrication points
- Lockable compartments and enclosures

OPTIONAL EQUIPMENT

- Autolube, integrated in secondary display
- Auxiliary flow, third and fourth function
- Differential, limited slip, rear
- Beacon light, strobe
- Cab, deluxe (standard in Europe)
 - Camera, rearview integrated into advanced display
 - Electrically adjustable external heated mirrors (2)
 - Secondary display to enable features and adjust parameters
 - LED interior lighting
 - Sunscreen, front and rear
 - Touchscreen secondary display
 - Ride control adjustable speed activation
 - Preventative maintenance reminders
 - Integrated help function (26 languages)
- Camera, roof mounted, front view with separate display
- Cold start package
 - Ether starting aid, block heater and additional batteries, 1,000 CCA (4 total)
- Counterweight, additional options
- Coupler, (Fusion and ISO 23727)
- Debris packages (low, medium, high)
- Fenders (extended cover and full coverage)
- Guarding packages
- Linkage, high lift
- Lights, auxiliary, halogen or LED with engine and DEF compartment lights
- Payload Technology
 - Cat Production Measurement (CPM)
 - CPM Printer
- Product Link ELITE with capabilities for software push, data logging, histogram and trend mapping
- Radio packages
- Rear Object Detection
- Ride Control System, adjustable through secondary display
- Seats
 - Deluxe seat – fully adjustable fabric air suspension seat with mid seat backrest
 - Premium seat – fully adjustable leather and fabric air suspension with high backrest and air lumbar support. Seat is heated and ventilated on bottom cushion and backrest.
- Steering
 - Dual mode and secondary
- Tire Pressure Monitoring (TPM)

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEHQ7362-02 (07-2020)
Replaces AEHQ7362-01
(NACD, EU, ANZP)



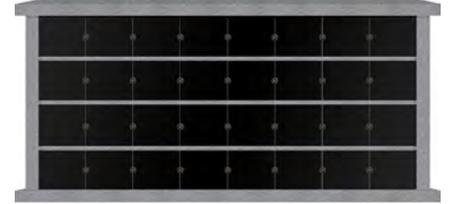
Capital Improvement Plan

FY 23 *thru* FY 27

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:** \$95,000

Expansion of the Coventry Cemetery on Main Street.

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
 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.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance		15,000	30,000		50,000			95,000
Total		15,000	30,000		50,000			95,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Cemetery Fund		15,000	30,000					45,000
General Fund					50,000			50,000
Total		15,000	30,000		50,000			95,000

Budget Impact/Other

Capital Improvement Plan

Town of Coventry, Connecticut

FY 23 *thru* FY 27

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:** \$1,013,087

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

1) We are working on a long term management plan for Eagleville Lake for fanwort in FY 21/22. This project will be shared with Mansfield. A grant has been submitted which will be matched by in-kind services so no funds are needed. Grant requested of \$6,940. The hope is to reduce the amount of long term chemical treatments since it appears that Fanwort will not be totally eliminated.

2) Treatment of Hydrilla in Coventry lake. It is hoped that the DEEP will contribute to the cost. We have been told that they have a maximum of \$30,000 of Federal funds for FY 22 but we have also submitted a supplemental State grant. Total project budget is \$128,680. We expect to receive approximatley \$30,000 in federal funds and are seeking 50,000 in State grants.

We have three consulatants on this project. NEAR will conduct requires surveys, Solitude will provide treatment and Eco-systems will provide oversite.

Justification

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

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance	513,087	125,000	125,000	125,000	125,000			1,013,087
Total	513,087	125,000	125,000	125,000	125,000			1,013,087

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Donations\Non-Gov't Grant	18,320							18,320
General Fund	380,267	90,000	125,000	125,000	125,000			845,267
State/Federal Grant/Loan	114,500	35,000						149,500
Total	513,087	125,000	125,000	125,000	125,000			1,013,087

Budget Impact/Other



Northeast Aquatic Research, LLC

74 Higgins Highway
Mansfield Center, CT 06250



January 26, 2022

TO: Eric Trott, Town of Coventry Director of Planning and Development
FROM: Hillary Kenyon Garovoy, Limnologist & Soil Scientist
George Knoecklein, PhD. Principal Limnologist

RE: Proposal for 2022 Aquatic Plant Surveying & Sampling of Coventry Lake

Proposed Coventry Lake 2022 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 native and other invasive plants. Intensive survey will be performed over two to three days. | \$5,000 |
| 2 | Post-treatment aquatic plant survey, including up to two mid-season checks for Hydrilla growth at previously known locations throughout treatment period - performed prior to the full lake survey in early fall. The full-lake fall 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. | \$5,000 |
| 3 | Underwater Hydrilla inspections and surveying in key areas during summer-fall. | \$3,360 |
| 4 | Additional field day for any potential required NDDB surveying. It is unknown if CT DEEP will require another rare-plant survey in June, prior to the pre-treatment survey date. <i>(May not be required.)</i> | \$2,200 |
| 5 | Up to 12hrs of consulting time for project planning and community engagement. | \$1,800 |
| 6 | Year-end Hydrilla management report, to be delivered to the CT DEEP. This report will be combined with the June NDDB rare-plant survey results and any necessary formal revisions following DEEP review. | \$2,800 |

Total \$20,160

Consulting time and/or presentations will be billed as needed at a rate of \$150/hr (item 5). If the consulting time exceeds 12 hours, we will notify the Town of Coventry and can renegotiate any additions or changes to the scope of work.

If you have any questions or concerns, please contact us at northeastaquaticresearch@gmail.com.
Phone contact numbers: Hillary Kenyon (203) 848-4610; Dr. George Knoecklein (860) 465-6422 (cell)



SERVICES CONTRACT

CUSTOMER NAME: Town of Coventry

SUBMITTED TO: Eric Troff

CONTRACT DATE: January 25, 2022

SUBMITTED BY: Andrew Felter, Project Manager - Steven Gniadek, Regional Administrative Coordinator

SERVICES: 2022 management of non-native Hydrilla. Recommended tasks include CT DEEP permitting, whole-lake Sonar One treatment program, FastEST monitoring, and final project reporting.

This agreement (the "Agreement") is made as of the date indicated above, and is by and between SOLitude Lake Management, LLC ("Solitude" or the "Company") and the customer identified above (the "Customer") on the terms and conditions set forth in this Agreement.

1. The Services. SOLitude will provide services at the Customer's property as described in Schedule A attached hereto:

2. PAYMENT TERMS. The fee for the Treatment Services is **\$115,980.00** The Customer shall pay upon completion of each task. SOLitude shall invoice the Customer following completion of each Task Service.

Task 1: Permitting	\$450.00
Task 2: Initial Herbicide Treatment	\$54,500.00
Task 3: 1st Booster Treatment	\$38,700.00
Task 4: 2nd Booster Treatment	\$20,680.00
Task 5: Year-End Report	\$1,650.00

For any work completed or materials in storage on the customer's behalf at the end of each month, the company will invoice and the customer will be responsible for paying the percent of the total work completed as of that date, less any previous deposit paid. Should the work performed be subject to any local, state, or federal jurisdiction, agency, or other organization of authority for sales or other taxes or fees in addition to those expressly covered by this contract, customer will be invoiced and responsible for paying said additional taxes in addition to the fee above. Customer agrees to pay all invoices within thirty (30) days of invoice date. The Customer will be liable for any returned check fees and any collection costs, including reasonable attorney fees and court costs, for any invoices not otherwise timely paid, and interest at the rate of 1% per month may be added to all unpaid invoices. Company shall be reimbursed by the Customer for any non-routine expenses, administrative fees, compliance fees, or any other similar

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expense that are incurred as a result of requirements placed on the Company by the Customer that are not covered specifically by the written specifications of this contract.

3. TERM AND EXPIRATION. This Agreement is for a one-time service as described in the attached Schedule A. Any additional services will be provided only upon additional terms as agreed to by the parties in writing.

4. DISCLAIMER. SOLitude is not responsible for the failure of any treatment, equipment installation, or other work that result from dam or other structural failures, severe weather and storms, flooding, or other acts of God that are outside of the control of SOLitude.

Customer understands and acknowledges that there are irrigation restrictions associated with many of the products used to treat lakes and ponds. The customer is responsible for notifying SOLitude in advance of the contract signing and the start of the contract if they utilize any of the water in their lakes or ponds for irrigation purposes. The customer accepts full responsibility for any issues that may arise from the irrigation of turf, ornamentals, trees, crops, or any other plants as a result of treated water being used by the customer for irrigation without the consent or knowledge of SOLitude.

Although there is rarely direct fish toxicity with the products used for treatment when applied at the labeled rate, or the installation and normal operation of the equipment we install, there is a risk under certain circumstances of significant dissolved oxygen drops. This risk is most severe in times of extremely hot weather and warm water temperatures, as these are the conditions during which dissolved oxygen levels are naturally at their lowest levels. Oftentimes lakes and ponds will experience natural fish kills under these conditions even if no work is performed. Every effort, to include the method and timing of application, the choice of products and equipment used, and the skill and training of the staff, is made to avoid such problems. However, the customer understands and accepts that there is always a slight risk of the occurrence of adverse conditions outside the control of SOLitude that will result in the death of some fish and other aquatic life. The customer also understands and accepts that similar risks would remain even if no work was performed. The customer agrees to hold SOLitude harmless for any issues with fish or other aquatic life which occur as described above, or are otherwise outside the direct control of the SOLitude, unless there is willful negligence on the part of SOLitude.

While SOLitude Lake Management LLC makes every effort to thoroughly inspect the site before providing this contract proposal or beginning any work, it is possible, without fault or negligence, that unforeseen circumstances may arise, or that hidden conditions on the site might be found in the course of the performance of the contract work, which would result in additional time or material costs that exceed this contract pricing. Should this occur, the customer will be notified of these unforeseen circumstances or conditions and be responsible for the costs associated with remedying. By signing this agreement, the customer acknowledges that they have informed SOLitude Lake Management® of all known and relevant current site conditions that would be reasonable to expect could affect our ability to successfully complete the contract work.

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5. INSURANCE AND LIMITATION OF LIABILITY. Solitude will maintain general liability and property damage insurance as necessary given the scope and nature of the Services. The Company will be responsible for those damages, claims, causes of action, injuries or legal costs to the extent of its own direct negligence or misconduct, and then only to an amount not to exceed the annual value of this Agreement. In no event will any party to this Agreement be liable to the other for incidental, consequential or purely economic damages.
6. FORCE MAJEURE. The Company shall not be liable for any delay in performing the Services, nor liable for any failure to provide the Services, due to any cause beyond its reasonable control.
7. ANTI-CORRUPTION AND BRIBERY. Each party represents that neither it nor anyone acting on its behalf has offered, given, requested or accepted any undue financial or other advantage of any kind in entering into this Agreement, and that it will comply with all applicable laws and regulations pertaining to corruption, competition and bribery in carrying out the terms and conditions of this Agreement.
8. GOVERNING LAW. This Agreement shall be governed and construed in accordance with the laws of the state in which the Services are performed.
9. ENTIRE AGREEMENT. This Agreement constitutes the entire agreement between the parties with respect to the subject matter and replaces any prior agreements or understandings, whether in writing or otherwise. This Agreement may not be modified or amended except by written agreement executed by both parties. In the event that any provision of this Agreement is determined to be void, invalid, or unenforceable, the validity and enforceability of the remaining provisions of this Agreement shall not be affected.
10. NOTICE. Any written notice provided under this Agreement may be sent via overnight mail, certified mail, hand delivery or electronic mail with delivery confirmation, to the individuals and addresses listed below.
11. BINDING. This Agreement shall inure to the benefit of and be binding upon the legal representatives and successors of the parties.
12. FUEL/TRANSPORTATION SURCHARGE. Like many other companies that are impacted by the price of gasoline, a rise in gasoline prices may necessitate a fuel surcharge. As such, the Company reserves the right to add a fuel surcharge to Customer's invoice for any increase in the cost of fuel as measured above the same time period in the prior year (by the National U.S. Average Motor Gasoline-Regular Fuel Price per Gallon Index reported by the U.S. Department of Energy). The surcharge may be adjusted monthly (up or down) with the price of gasoline.

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ACCEPTED AND APPROVED:

SOLITUDE LAKE MANAGEMENT, LLC.

TOWN OF COVENTRY

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Please Remit All Payments to:

**1320 Brookwood Drive Suite H
Little Rock AR 72202**

Customer's Address for Notice Purposes:

Please Mail All Contracts to:

**2844 Crusader Circle, Suite 450
Virginia Beach, VA 23453**

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SCHEDULE A – LAKE TREATMENT SERVICES

Task 1: Permitting:

1. Upon acceptance and signature of this contract, a permit application will be prepared and submitted to the CT DEEP - Pesticide Division to cover the proposed herbicide treatments of 2022.
2. SOLitude staff will be responsible for the following:
 - a. Filing of any notices or year-end reports with the appropriate agency as required by any related permit.
 - b. Notifying the Customer of any restrictions or special conditions put on the site with respect to any permit received, where applicable.

Customer Responsibilities:

1. Customer will be responsible for the following:
 - a. Verification (to the best of knowledge) that neither pond abutters, no persons downstream within 0.5 miles of the lake will use water for irrigation until the temporary restriction periods have elapsed - could be as long as sixty to ninety (60-90) days.
 - b. Pre-treatment notification of all required parties, including all lake abutters and the public. SOLitude will provide and post printed signs that warn of the temporary water use restrictions prior to treatment. Notification procedure and water-use restrictions to be discussed with CT DEEP and other parties as needed.
 - c. Enforcement of the temporary water use restrictions following treatment to the extent possible.

Task 2-4: Herbicide Treatment:

1. Apply a total epilimnetic dose of 8 ppb of Sonar One (fluridone) over the course of three (3) lower dose applications to the lake areas shallower than 18 ft. (~178 acres).
2. Three (3) rounds of twelve (12) FastEST samples each (36 total samples) will be collected in order to monitor in-water fluridone concentrations inside and outside the treatment area. A surface and bottom sample will be collected at each of the five (5) collection sites specified by Dr. Kartmann and one (1) additional deep hole location.
3. Anticipated treatment dosing will be a 4 ppb initial treatment followed by two (2) ppb booster applications spaced about three to four (3-4) weeks apart. Actual booster treatment timing and dosing will be directed by the FastEST sample results.
4. SOLitude's CT-licensed applicators will conduct all herbicide treatment in accordance with the product label and the approved pesticide use permit.

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5. Mutually agreeable dates will be scheduled for herbicide treatment(s) and the notification/water use restrictions procedure will be determined in conjunction with the CT DEEP, Town of Coventry and other involved parties.
6. As needed, SOLitude will perform small localized treatments with contact herbicides, diquat and/or endothall to enhance Hydrilla control.

Task 5: Year-End Report:

1. An end of the year report will be prepared and provided to the client/NEAR.
2. SOLitude will work with NEAR to formulate on-going management recommendations.
3. Any annual regulatory compliance reporting will be fulfilled as required.
4. The year-end report is anticipated to be completed and provided in **November/December.**

General Qualifications:

1. Company is a licensed pesticide applicator in the state in which service is to be provided.
2. Individual Applicators are Certified Pesticide Applicators in Aquatics, Public Health, Forestry, Right of Way, and Turf/Ornamental as required in the state in which service is to be provided.
3. Company is a SePRO Preferred Applicator and dedicated Steward of Water. Each individual applicator has been trained and educated in the water quality testing and analysis required for prescriptive site-specific water quality management and utilizes an integrated approach that encompasses all aspects of ecologically balanced management. Each applicator has received extensive training in the proper selection, use, and application of all aquatic herbicides, algaecides, adjuvants, and water quality enhancement products necessary to properly treat our Customers' lakes and ponds as part of an overall integrated pest management program.
4. Company guarantees that all products used for treatment are EPA registered and labeled as appropriate and safe for use in lakes, ponds, and other aquatic sites, and are being applied in a manner consistent with their labeling.
5. All pesticide applications made directly to the water or along the shoreline for the control of algae, aquatic weeds, or other aquatic pests as specified in this contract will meet or exceed all of the Company's legal regulatory requirements as set forth by the EPA and related state agencies for NPDES and FIFRA. Company will perform treatments that are consistent with NPDES compliance standards as applicable in and determined by the specific state in which treatments are made. All staff will be fully trained to perform all applications in compliance with all federal, state, and local law.

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6. Company will furnish the personnel, vehicles, boats, equipment, materials, and other items required to provide the foregoing at its expense.

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Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project #	19-PW-02
Project Name	Relocate Transfer Station

Type Improvement	Department Public Works
Useful Life 25 years	Contact Public Works Director
Category Improvements - Not Building	Priority 2 Very Important

Description	Total Project Cost: \$500,000
<p>The existing transfer station is approaching 30 years in age and the concrete blocks and scale are failing. Relocating the facility to a more centralized area next to the DPW Facility on Olsen road would enhance both efficiency and public convenience. The new scale recently purchased can be relocated.</p> <p>Proposed use of American Rescue Plan Funds.</p> <p>As a side benefit, it would allow a growth in Miller Richardson Park for softball and/or other sports.</p>	

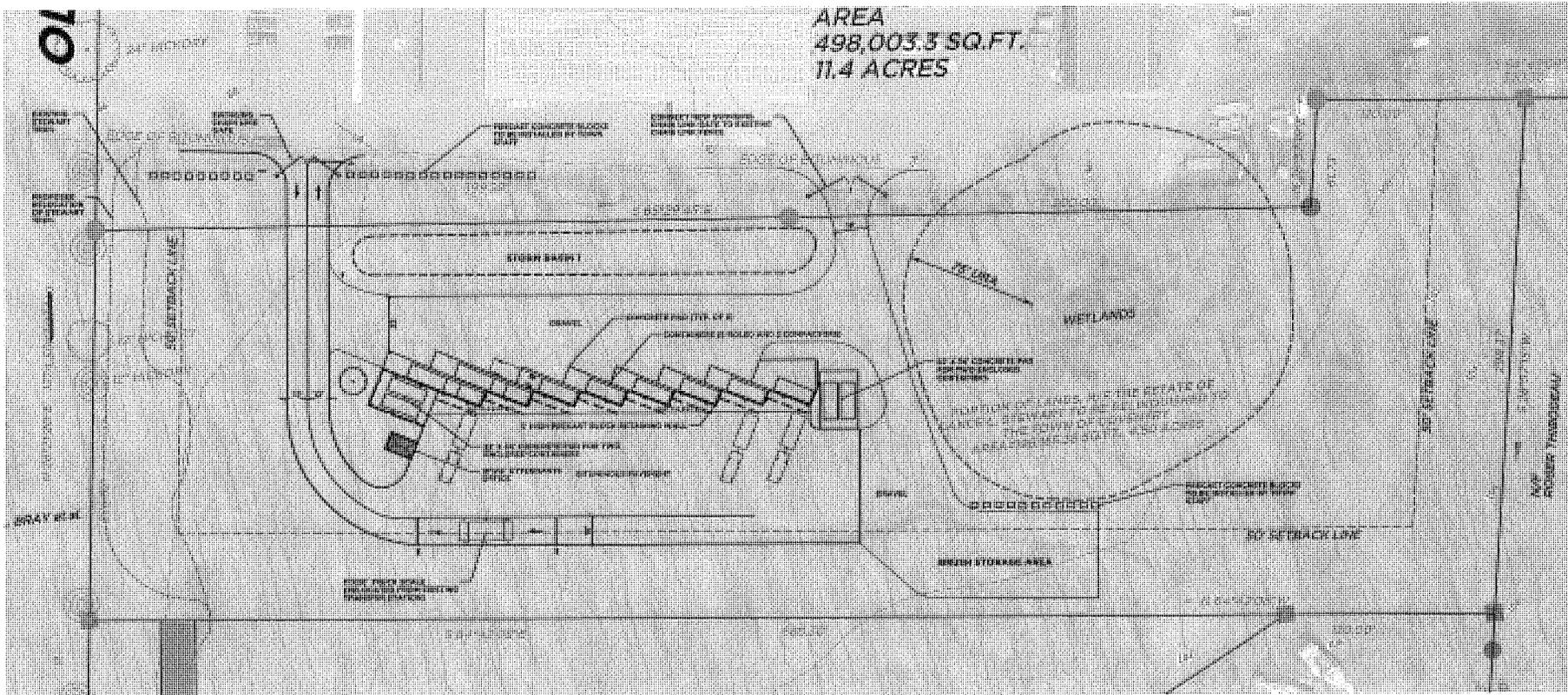
Justification

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance		500,000						500,000
Total		500,000						500,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State/Federal Grant/Loan		500,000						500,000
Total		500,000						500,000

Budget Impact/Other
<p>Save staff time moving equipment back and forth between facilities.</p> <p>Proposed use of American Rescue Plan Funds.</p>

AREA
498,003.3 SQ.FT.
11.4 ACRES



MAP REFERENCES:

1. BOUNDARY SURVEY PREPARED FOR TOWN OF COVENTRY, SHOWING PORTION OF STEWART PARCEL TO BE DEED TO THE TOWN OF COVENTRY, III TALCOTT HILL ROAD, COVENTRY, CONN., SCALE 1"=100', JOB #2008-008, DATED APRIL 22, 2008, REVISED TO MAY 27, 2009, BY ROB HELLSTROM LAND SURVEYING, LLC.
2. BOUNDARY SURVEY PREPARED FOR THE TOWN OF COVENTRY, SUNSET TRAIL, AUTUMN TRAIL, BIRCHWOOD DRIVE, FERN DRIVE & RENAYER DRIVE, COVENTRY, CONNECTICUT, SCALE 1" = 40', JOB #1008-041, DATED APRIL 15, 2009 BY ROB HELLSTROM LAND SURVEYING.
3. PREPARED FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, STATE OF CONNECTICUT, 037199021501 TALCOTT HILL, SEAGRAVES & DALY ROADS, COVENTRY, CT., PROPERTY SURVEY, SCALE 1" = 100', FILE #9705 A, SHEETS 1 THROUGH 5 OF 5, DATED 2/25/99 BY HOLMES & HENRY ASSOCIATES, LLC.
4. PLAN PREPARED FOR MICHAEL BLOCK, CYCARENE TRAIL, COVENTRY, CONNECTICUT, AS-BUILT, SCALE 1" = 20', SHEET 1 OF 1, JOB #94-024, DATED 6/27/94 BY ROB HELLSTROM LAND SURVEYING.
5. MAP OF WATERFRONT HEIGHTS, THE WATERFRONT REALTY CO., COVENTRY, CONN., SCALE 1" = 100', AUGUST, 1941, REVISION, ALSO DATED 'AUG. 1939, REVISED NOV. 1940' BY CECIL W. B. (NAME IS UNCLEAR) SURVEYOR.
6. AERIAL WAS TAKEN FROM CT ECO 2009 AERIAL IMAGERY.
7. CONTOURS FOR THE NORTH EASTERN PORTION OF THE SITE WERE TAKEN FROM NOAA LIDAR.



		41 Street Drive Guilford, CT 06431 Phone (860) 831-8722 Fax (860) 451-0571 www.bartonloguidice.com	
		PROJECT: 3039-012 DATE: 02/10/22 SHEET NO: 1 OF 1	
PROJECT ENGINEER: NAN PROJECT MANAGER: KRIG OFFICE REVIEW: KRIG	COVENTRY TRANSFER STATION PREPARED FOR: TOWN OF COVENTRY PRELIMINARY DESIGN PLAN LOG OLSEN FARM ROAD COVENTRY		
SCALE: 1"=40'	SHEET NO. 1 OF 1		

**TOWN OF COVENTRY
CONCEPTUAL TRANSFER STATION COSTS
FEBRUARY 2022**

Prepared by: Barton and Loguidice

ITEM	QUANTITY	PAY UNIT	UNIT COST	TOTAL COST
A - SITE CONSTRUCTION ITEMS				
SEDIMENTATION CONTROLS (SILT FENCE)	400	LF	\$4.50	\$1,800.00
SEDIMENTATION CONTROLS (HAYBALES)	50	LF	\$11.00	\$550.00
SEDIMENTATION CONTROLS (INLET CONTROL DEVICE)	4	EA	\$200.00	\$800.00
ANTI-TRACKING PAD	1	LS	\$2,500.00	\$2,500.00
SAWCUT BITUMINOUS CONCRETE PAVEMENT	75	LF	\$5.00	\$375.00
FORMATION OF SUBGRADE	7000	SY	\$2.00	\$14,000.00
PROCESSED AGGREGATE/ PERVIOUS STRUCTURE BACKFILL	1775	CY	\$40.00	\$71,000.00
BITUMINOUS CONCRETE (HMA - 3" THICK)	525	TON	\$125.00	\$65,625.00
CATCH BASIN (TYPE 'CL')	2	EA	\$3,300.00	\$6,600.00
DETENTION BASIN OUTLET CONTROL STRUCTURE	1	EA	\$5,000.00	\$5,000.00
15" HDPE DRAINAGE PIPE	240	LF	\$55.00	\$13,200.00
DRAINAGE PIPE FLARED ENDS	2	EA	\$1,500.00	\$3,000.00
TOPSOIL	5550	SY	\$5.00	\$27,750.00
TURF ESTABLISHMENT	5550	SY	\$2.00	\$11,100.00
STORMWATER TREATMENT UNIT	1	EA	\$15,000.00	\$15,000.00
MASS FILL/GRADING	2,600	CY	\$12.00	\$31,200.00
TOTAL SITE CONSTRUCTION ITEMS				\$269,500.00
B - TRANSFER STATION ITEMS				
ENTRANCE GATE (SWING)	2	EA	\$5,000.00	\$10,000.00
HOUR OF OPERATION/FACILITY SIGN	1	EA	\$1,500.00	\$1,500.00
DIRECTIONAL/INFORMATIONAL SIGNAGE	200	SF	\$25.00	\$5,000.00
LINE STRIPING	430	LF	\$1.25	\$537.50
PAINTED PAVEMENT LEGENDS, ARROWS & MARKINGS	190	SF	\$4.00	\$760.00
11'X20' TRUCK SCALE (NEW FOUNDATION & RELOCATE EXISTING SCALE)	1	EA	\$30,000.00	\$30,000.00
PRECAST BLOCK RETAINING WALL (5' HIGH) - MATERIAL	2340	SF	\$40.00	\$93,600.00
PRECAST BLOCK RETAINING WALL (5' HIGH) - LABOR	2340	SF	\$20.00	\$46,800.00
PEDESTRIAN GUARDRAIL ON RETAINING WALL	390	LF	\$75.00	\$29,250.00
CONCRETE PADS FOR APPLIANCES/ROLL-OFFS & APRONS	5200	SF	\$15.00	\$78,000.00
WASTE COMPACTOR (2 YRD FREESTANDING)	0	EA	\$20,000.00	\$0.00
WASTE HOPPER	0	EA	\$15,000.00	\$0.00
TRANSFER STATION SUBTOTAL				\$295,447.50
STRUCTURES				
PRE-FAB ATTENDANT'S OFFICE (10' x 16')	1	EA	\$25,000.00	\$25,000.00
STRUCTURES SUBTOTAL				\$25,000.00
MECHANICAL - ELECTRICAL				
ELECTRICAL SERVICE, VAULT & TRANSFORMER - (CL&P FEES)	1	LS	\$5,000.00	\$5,000.00
ELECTRICAL SERVICE, TRENCHING, CONDUIT & WIRE	300	LF	\$20.00	\$6,000.00
ELECTRICAL/MECHANICAL SERVICE - ATTENDANT'S OFFICE	1	LS	\$12,500.00	\$10,000.00
ELECTRICAL SERVICE - COMPACTORS (3 PHASE SERVICE OR PHASE CONVERTERS)	1	LS	\$10,000.00	\$10,000.00
MECHANICAL - ELECTRICAL SUBTOTAL				\$31,000.00
TOTAL TRANSFER STATION ITEMS				\$351,447.50
C - ENVIRONMENTAL ITEMS (NOT APPLICABLE)				
TOTAL LUMP SUM ITEMS				\$0.00
D - TRAFFIC ITEMS (NOT APPLICABLE)				
TOTAL LUMP SUM ITEMS				\$0.00
CONSTRUCTION COSTS (A+ B + C + D)				
TOTAL CONSTRUCTION COSTS				\$620,947.50
E - MINOR ITEMS/CONTINGENCY COSTS				
10% OF (A + B + C + D)				\$62,094.75
TOTAL LUMP SUM ITEMS				\$62,094.75
F- LUMP SUM ITEMS (PERCENTAGE OF A + B + C + D)				
MOBILIZATION (5.0%)	1	LS	\$31,047.38	\$31,047.38
GRUBBING (2.0%)	1	LS	\$12,418.95	\$12,418.95
MAINTENANCE & PROTECTION OF TRAFFIC (0.5%)	1	LS	\$3,104.74	\$3,104.74
CONSTRUCTION STAKEOUT (0.5%)	1	LS	\$3,104.74	\$3,104.74
TOTAL LUMP SUM ITEMS				\$49,675.80
TOTAL CONSTRUCTION COSTS				
TOTAL CONSTRUCTION ITEMS (A + B + C + D)				\$620,947.50
TOTAL MINOR ITEMS/CONTINGENCY COSTS (E)				\$62,094.75
TOTAL LUMP SUM ITEMS (F)				\$49,675.80
TOTAL OPINION OF CONSTRUCTION COSTS				\$732,718.05

Capital Improvement Plan

FY 23 *thru* FY 27

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
<p>The Treatment plant originally had 8 infiltration basins. 1 basin is no longer used, so we only have 7 operational. We rotate the basins every week and typically dose 2 basins at a time with effluent. Over the past few yearsm the basins have no been draining completely before it is time to use them agaib. During winter 2018/19, we had every basin on and almost all were full.</p>	

Justification
<p>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.</p>

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance			200,000					200,000
Total			200,000					200,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Sewer Fund			200,000					200,000
Total			200,000					200,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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:** \$300,000
 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 Daley Road and Lisicke Beach.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance				300,000				300,000
Total				300,000				300,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
State/Federal Grant/Loan				300,000				300,000
Total				300,000				300,000

Budget Impact/Other



COMMUNITY
connectivity program

Coventry

Main Street, Daly Road to Town Hall – Road Safety Audit

June 30, 2016



AECOM

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Acknowledgements:

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CONNECTICUT DEPARTMENT OF TRANSPORTATION

With assistance from AECOM Transportation Planning Group

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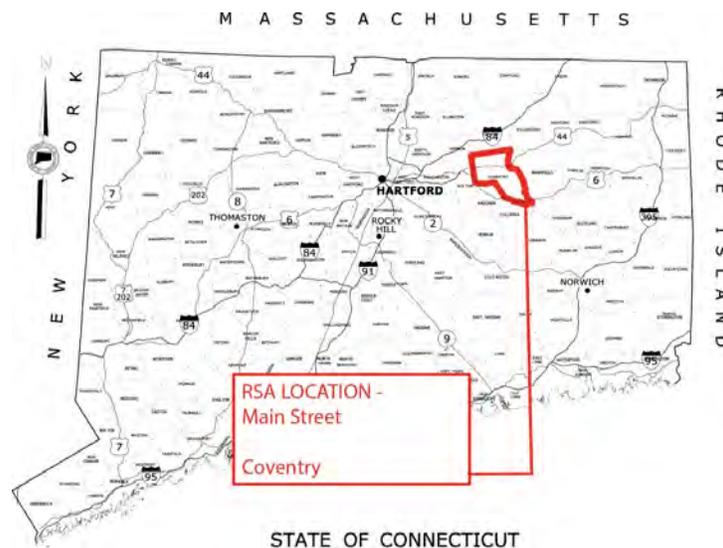
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The Connecticut Department of Transportation (CTDOT) is undertaking a Community Connectivity Program that focuses on improving the state's transportation network for all users, with an emphasis on bicyclists and pedestrians. A major component of this program is conducting Road Safety Audits (RSA's) at selected locations. An RSA is a formal safety assessment of the existing conditions of walking and biking routes and is intended to identify the issues that may discourage or prevent walking and bicycling. It is a qualitative review by an independent team experienced in traffic, pedestrian, and bicycle operations and design that considers the safety of all road users and proactively assesses mitigation measures to improve the safe operation of the facility by reducing the potential crash risk frequency or severity.

The RSA team is made up of CTDOT staff, municipal officials and staff, enforcement agents, AECOM staff, and community leaders. An RSA Team is established for each municipality based on the requirements of the individual location. They assess and review factors that can promote or obstruct safe walking and bicycling routes. These factors include traffic volumes and speeds, topography, presence or absence of bicycle lanes or sidewalks, and social influences.

Each RSA was conducted using RSA protocols published by the FHWA. For details on this program, please refer to www.ctconnectivity.com. Prior to the site visit, area topography and land use characteristics are examined using available mapping and imagery. Potential sight distance issues, sidewalk locations, on-street and off-street parking, and bicycle facilities are also investigated using available resources. The site visit includes a "Pre-Audit" meeting, the "Field Audit" itself, and a "Post-Audit" meeting to discuss the field observations and formulate recommendations. This procedure is discussed in the following sections.



1 Introduction to the Coventry (Main Street) RSA

The Town of Coventry submitted an application to complete an RSA along Main Street from Daly Road to the Town Hall to improve safety for pedestrians and bicyclists. The town's goal is to provide pedestrian access around the entire perimeter of Coventry Lake via sidewalks, and the segment between Daly Road and the Town Hall is the remaining segment to be studied. The segment would connect Lisicke Beach with the municipal complex that includes the Town Hall, Middle and High Schools, and Board of Education Building and further connects with other sidewalks that extend to Coventry village via Main Street.

The Town of Coventry application contained information on traffic volumes, crash data, and mapping of the intersection. The application and supporting documentation are included in Appendix A.

1.1 Location

The site is the segment of Main Street (Route 31) between Daly Road and the Municipal Complex in the Town of Coventry (Figure 1). The Main Street Average Daily Traffic (ADT) is 8,200 vehicles per day (vpd). These are significant volumes of traffic for a rural state highway to process. Figure 2 shows the regional context of the study area.



Figure 1. Main Street, Coventry

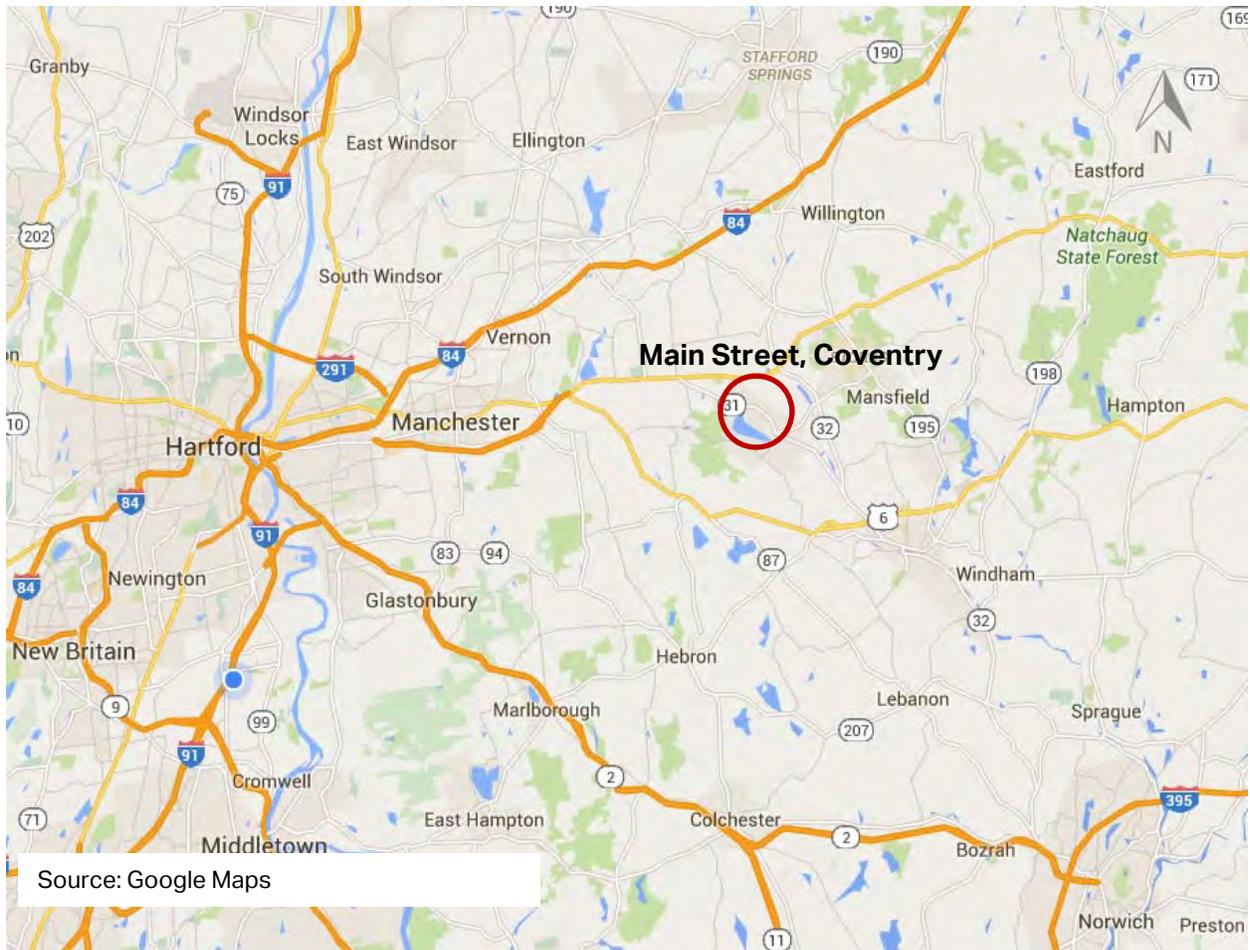


Figure 2. Main Street, Coventry Regional Context

2 Pre-Audit Assessment

2.1 Pre-Audit Information

As noted previously, traffic volumes are significant at this location. Crash history shows clusters at the Ripley Hill Road intersection. This intersection has poor sight lines and is also the main access point to the high school. The peak crash rates occurred in the morning and the late afternoon, the times correspond to school arrival and dismissal times. Over half of the crashes occurred at night, indicating potential visibility and lighting issues. Many of the crashes happened when the roadway conditions were not optimal (snow/slush or wet). The grade of the roadway combined with vertical and horizontal sight line constraints can be a factor of vehicles driving off the road in inclement weather conditions. Tables 1 and 2 summarize crash severity and crash type for 2012-2014 in the audit study area. Figure 3 shows locations of crashes in 2015.

Severity Type	Number of Accidents	
Property Damage Only	19	86%
Injury (No fatality)	3	14%
Fatality	0	0%
Total	22	

Table 1. Crash Severity 2012-2014

Source: UConn Connecticut Crash Data Repository

Manner of Crash / Collision Impact	Number of Accidents	
Unknown	0	0%
Sideswipe-Same Direction	1	5%
Rear-end	3	14%
Turning-Intersecting Paths	3	14%
Turning-Opposite Direction	0	0%
Fixed Object	5	23%
Backing	0	0%
Angle	0	0%
Turning-Same Direction	1	5%
Moving Object	8	36%
Parking	0	0%
Pedestrian	0	0%
Overturn	0	0%
Head-on	1	5%
Sideswipe-Opposite Direction	0	0%
Miscellaneous- Non Collision	0	0%
Total	22	

Table 2. Crash Type 2012-2014

Source: UConn Connecticut Crash Data Repository

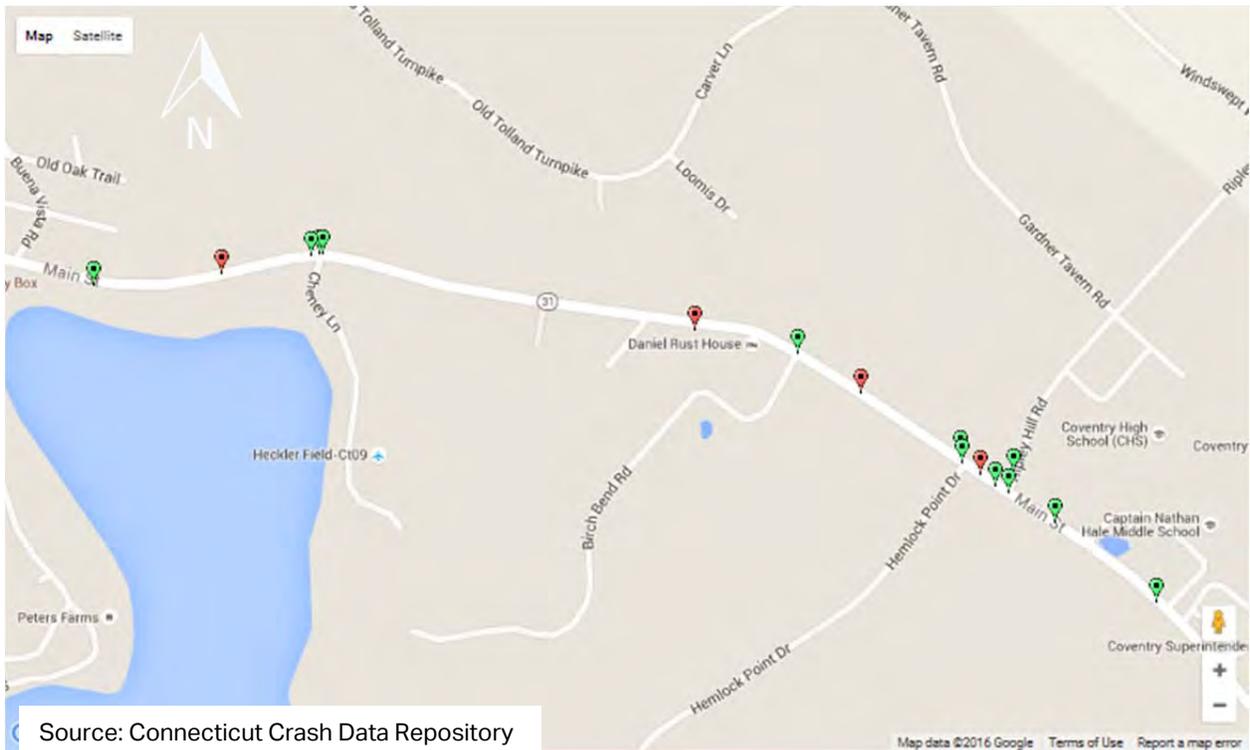


Figure 3. Crashes that Occurred in 2015 (Connecticut Crash Data Repository)

There are sidewalks on the north side of Main Street east of the Municipal Complex (Figure 4). The sidewalk is planned to be extended to Ripley Hill Road in the summer of 2016. The sidewalks are 5.5 feet in width, with a snow shelf or buffer from the roadway traffic. Sidewalks are generally asphalt, with concrete across the driveways. There are two crosswalks across Main Street - one on the west side of Ripley Hill Road and the other between the driveways for the Municipal Complex and Captain Nathan Hale Middle School. As part of the Safe Routes to School study improvements, the crosswalk at Ripley Hill Road will be relocated to the east side of the intersection and the other crosswalk will be removed.

Approaching Wangumbaug Lake there is a series of pedestrian crossing signs in both directions. The side slopes adjacent to Main Street in the vicinity of Wangumbaug Lake are steep.

Main Street (Route 31) is a state owned and maintained facility that runs in an east/west direction. It is a two lane road with 12-foot lanes and shoulder markings. An inventory of existing conditions along the roadway can be found in Table 3.

Coventry - Main Street Street Inventory

From	To	Distance	Width	Sidewalk				Curb	Shoulder	Ramps	
				Side	Type	Width	Condition			Exist	Compliant
Daly Road	Ripley Hill Road	0.9 miles	1 lane	North	No	N/A	N/A	Asphalt	1'-3'	N/A	N/A
			1 lane	South	No	N/A	N/A	Asphalt	1'-3'	N/A	N/A
Ripley Hill Road	Town Hall	0.3 miles	1 lane	North	Asphalt	5'5"	Good	Asphalt	3'-6'	Yes	No
			1 lane	South	No	N/A	N/A	Asphalt	3'-4'	N/A	N/A

***CONDITION – “Good” is Serviceable Condition that meets current design standards. “Fair” is generally serviceable, but may need minor repairs, or may not completely align with current design standards. “Poor” is not serviceable, and generally inadequate for continued long-term use.**

Table 3. Street Inventory

2.2 Prior Successful Efforts

A number of best practices have already been applied to this corridor. In 2010 a Safe Routes to School Audit was conducted for the middle school, which produced a study with several recommendations. Coventry has begun to implement the recommendations, including constructing a sidewalk from Root Road to the school with plans to extend it to Ripley Hill Road in the summer of 2016. The town has also recently been the recipient of several grants to improve drainage on local roads and extend and improve sidewalks to create a loop around Wangumbaug Lake.

2.3 Pre-Audit Meeting

The RSA was conducted on June 30, 2016. The Pre-Audit meeting was held at 8:00 AM in the Town Hall located at 1712 Main Street in Coventry.

The RSA Team was comprised of staff from CTDOT and AECOM, and representatives from several Coventry departments and organizations including the Engineering Department, Police Department, Department of Public Works and the Planning Department. The complete list of attendees can be found in Appendix B. Materials distributed to the RSA Team, including the agenda, audit checklist, ADT counts, crash data and road geometrics, can be found in Appendix C.

The initial study area terminus was Lisicke beach on the west end. At the request of the town the RSA Team agreed to extend the study area further west to Daly Road (one-third mile). The town is interested in providing a new sidewalk along Route 31 to Daly Road.

RSA Team members from Coventry presented relevant information for the audit, including:

- Coventry has been looking into sidewalks and bike paths for the past 10 years. They had received a \$1.2 Million dollar grant, but the town's direction had changed and they lost the grant. Recently there has been a change in the town council and the town has been actively pursuing funding to build sidewalks.
- The town recently installed sidewalks, as part of a Safe Routes to School project, from Root Road to the middle school and town hall. This summer the sidewalk will be extended west to Ripley Hill Road.
- Coventry has applied for and received numerous grants (STEAP, LOTCIP, and Main Street Investment Fund) to improve drainage on local roads and install sidewalks.
- The town is working with CTDOT to receive I-84 turn back funds to accommodate the Coventry village transportation improvements.
- Coventry's goal is to install sidewalk on all streets around the lake with connections to the schools and library.
- Traffic enforcement is concentrated on high accident roads such as Route 31. All engineering design for sidewalks is done by the town engineer.

- There are several terrain issues along Route 31 that are concerns for a new sidewalk including, culverts, historical homes, ledge, and steep grades.
- Route 31 is a busy corridor.
- Around Wangumbaug Lake there are many homes.
- Hemlock Point has several students who walk to school via Hemlock Point Drive.
- Coventry is working to install a healthy community initiative emphasizing walking and biking.
- The Plan of Conservation and Development (POCD) outlines connecting the commercial centers, recreational area and high density residential areas with walking trails where possible.
- The Conservation Commission is developing a bike plan.
- Coventry received a Safe Routes to School grant to conduct a full study and is in the process of implementing many of the recommendations. One improvement is to relocate the crosswalk on Hemlock Point to the other side and eliminate the mid-block crosswalk on Route 31. There is no lighting proposed for either crosswalk.
- Truck volume is growing on Route 31. It is estimated that approximately 8-10% of traffic is from heavy vehicles.
- In the morning sun glare becomes an issue for eastbound motorists.
- Many crashes are not reported during snow and ice events.
- There is a passing zone on Route 31 in front of the Municipal Complex.
- Route 31 is in poor condition and cracking, where is it on the VIP list?
- There is gutter line puddling on Route 31 in flat sections.
- Grades on Route 31 produce sheet flow off of the road edge.
- School buses stop along Main Street to pick up/drop off students. Busing is provided for all students, very few bike or walk. Some students walk in the road.
- Coventry has requested CTDOT to install a traffic signal at Route 31/Ripley Hill Road. The evaluation indicated that the MUTCD warrants were not met.
- Sight distance on Route 31 at Ripley Hill Road is restricted by vertical and horizontal curves.
- The town has a LED speed sign that collects active speed and volume data.
- Thermoplastic roadway markings are used in the village district.
- Cycling activity is growing along Route 31, and there are a lot of regional cyclists.
- Daly Road needs shoulder striping and share the road signs.
- A lot of speeding tickets are issued on Route 31. Motorists pick up speed coming down the hill at Lisicke Beach. Speeds are generally around 45 mph on Route 31, with upper speeds around 65 mph.
- What is the 85 percentile speed on Route 31?
- There is a narrow grass strip on the south side of Route 31 but it is not mowed. The state is supposed to perform all maintenance along Route 31.

- Old Tolland Turnpike was rerouted and no longer ties into Route 31, but the town still owns the right-of-way. There is a large neighborhood north of this area and creating a pedestrian path along this corridor could create connections to the schools and Lisicke Beach.
- A sidewalk on the south the side of Route 31 would have the least terrain impact.
- The town does not require developments to install sidewalks.

3 RSA Assessment

3.1 Field Audit Observations

- The building at the corner of Daly Road and Route 31 is mostly vacant and for sale. It has potential to be redeveloped as a destination for residents.
- There are approximately 90 residences on Daly Road.
- Daly Road does not have any sidewalks.
- The intersection of Route 31/Daly Road has a flashing yellow beacon for Route 31 (both directions) and flashing red for Daly Road.
- The roadway width for Daily Road is 32 feet near the Route 31 intersection.
- Vehicles on Route 31 appear to be exceeding the posted limit of 35 mph.
- Route 31 travel lanes average 12 feet wide. The shoulders range from less than 1 foot up to over 6 feet in certain locations but average 3 feet.
- Route 31 pavement condition is poor; the road has several cracks and heaves in the winter due to frost (Figure 5).
- The shoulder striping is faded, particularly along the south side of Route 31.



Figure 5. Poor Roadway Condition on Route 31



Figure 6. Non-bicycle Friendly Catch Basin Grates

- There are a variety of catch basin grate styles, approximately half are the older non-bike friendly type (Figure 6).
- Overhanging branches block many of the traffic control signs along Route 31 (Figure 7).
- Several catch basins were observed to be clogged or covered by debris. They need to be cleaned out.
- Coventry installs sidewalks that are 5.5 feet wide in order to plow them using a small tractor. All sidewalks need to have a snow shelf.
- There are new school bus signs on Route 31 west of Lisicke beach.
- Coventry has agreed to plow all new sidewalks installed along Route 31 between Daily Road and the municipal complex.
- The utility poles are along the north side of the road (Route 31) until Hemlock Point Drive where they switch to the south side of the road.
- The south side of Route 31 would better accommodate a sidewalk, there is a better side shelf and minimal slope issues (Figure 8).
- Residents are sensitive to sidewalks and access. Providing access to existing uses must be maintained with sidewalk installation.
- In certain locations installing the sidewalk would require lifting driveways 8 or 9 inches or depressing the sidewalk for residences along Lake Wangumbaug.
- The pedestrian signs approaching Lisicke Beach are not informative to motorists (Figure 9). Each direction has three signs (MUTCD sign 11-2), with



Figure 7. Sign Blocked by Vegetation



Figure 8. South Side of Route 31



Figure 9. Pedestrian Signage MUTCD sign 11-2

the last sign having "END" under it. There are no beginning signs.

- Thick vegetation is on the utility pole in front of Waterfronts Heights Association across from Buena Vista Road.
- Right-of-way may need to be acquired from the Waterfront Heights Association in order to fit in a new sidewalk. There is a guard rail here due to steep side slopes on the south side of the road.
- The curb cut easement for boat access to Lisicke beach must be maintained (Figure 10).
- There are several mature trees just west of the Lisicke Beach entrance that may have to be removed to install a new sidewalk.
- The "Civil War Canal" pit area is unsafe. Drainage issues from the road have resulted in the collapse of the steel beam holding the grates up. The head wall to the culvert is in poor condition. Both the culvert under the road and the culvert leading to Wangumbaug Lake need to be cleaned out. The water is not filtered or cleaned before entering the lake (Figure 11).
- During inclement weather vehicles have difficulty negotiating the curve leading to Lisicke Beach (at the intersection with Cheney Lane, when heading west) due to the grade of the roadway. The road is super elevated. There is also rutting in the road at this location from heavy vehicles.
- The guard rail constructed in front of the basketball courts is not crash rated.
- The side slope on the north side of Route 31 is steep.
- There are farm rock walls along most of the south side of Route 31; in certain locations they have



Figure 10. Curb cut Easement to Lisicke Beach must be Maintained

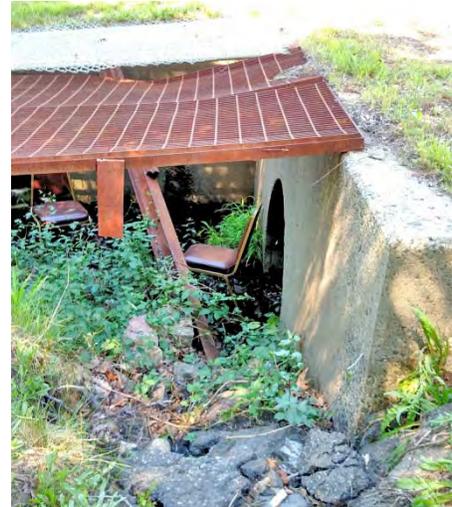


Figure 11. Civil War Canal Pit Area



Figure 12. Broken Curbing at Winterberry Lane

been buried. These rock walls follow the property lines.

- In the vicinity of Winterberry Lane the curbing is broken in several places (Figure 12).
- The soil is several inches below the backside of the curb at several locations along Route 31 between Cheney Lane and Hemlock Point Drive (Figure 13).
- Old Tolland Turnpike formerly continued onto Route 31. The town still owns the right-of-way and all concrete has been removed. Trees and vegetation have begun to take over the area and growth is approximately 10 years old. There are rock walls that mark the roadway boundary (Figure 14). This area connects to several neighborhoods to the north. Repurposing the right-of-way as a trail would require maintenance and a mid-block crosswalk to connect to the proposed sidewalk. Mid-block crosswalks on state highways are not desirable by CTDOT. This crossing may also lack proper sight distance.
- There are illegal signs in the right-of-way in front of the Daniel Rust House.
- The right-of-way in front of the Daniel Rust House is narrow. To install a new sidewalk the rock wall may need to be moved and rebuilt (Figure 15).
- The hand hole for telephone at the corner of Birch Bend Road is broken (Figure 16).
- Just east of the Daniel Rust House there are slope issues on both sides of the road. This is a result of previous construction which lowered the road. Retaining walls and landscaped fences may be needed if a sidewalk is installed.
- Utility poles on the south side, past Hemlock Point Drive, are set back several feet from the roadway.



Figure 13. Soil Below Curb Line



Figure 14. Old Tolland Turnpike Rockwall



Figure 15. Narrow Right-of-Way at Rust House

- The crosswalk at Ripley Hill Road is faded.
- The shoulder is wide, over 6 feet, on Route 31 eastbound in front of the Jesse Root House.
- There are sight line constraints at Ripley Hill Road. Vehicles must pull far past the stop bar onto Route 31.
- There is no officially designated school zone on Route 31.



Figure 16. Broken Hand Hole

3.2 Post-Audit Workshop - Key Issues

- A new sidewalk would be better suited on the south side of Route 31. If asphalt sidewalks were used a bio barrier would need to be installed to minimize cracking due to vegetation growth.
- Ripley Hill Road at Route 31 has poor sight distance and when school lets out experiences significant traffic congestion and queuing. The intersection needs to be redesigned. Possible solutions include a traffic signal or roundabout. To install a traffic signal it would need to meet at least one of the traffic signal warrants.
- There are several traffic signs which are blocked by vegetation. CTDOT is responsible for tree trimming and mowing along Route 31.
- The roadway is in poor condition and in need of repaving and possible full depth reconstruction. It is not currently on the state's VIP list for paving.
- The possibility of centerline rumble strips was discussed. The CTDOT criteria for rumble strips is:
 - Travel speed 35 mph or greater,
 - ADT at least 2,000,
 - Pavement is in good condition and repaved within the last three years,
 - There is at least 13 feet from the centerline to the edge of pavement, and
 - The length of the proposed centerline rumble strips is at least one (1) mile.

- The corridor does not have a consistent width, the shoulders vary greatly.
- The crosswalk on Route 31 at Ripley Hill Road is being moved to the other side as part of the Safe Routes to School improvements.
- The “Civil War Canal” drainage pit on the south side of Route 31 near Lisicke beach is failing and is an attractive nuisance.

4 Recommendations

From the discussions during the Post-Audit meeting, the RSA team compiled a set of recommendations that are divided into short-term, mid-term, and long-term categories. For the purposes of the RSA, **Short-term** is understood to mean modifications that can be expected to be completed very quickly, perhaps within six months, and certainly in less than a year if funding is available. These include relatively low-cost alternatives, such as striping and signing, and items that do not require additional study, design, or investigation (such as right-of-way acquisition.) **Mid-term** recommendations may be more costly and require establishment of a funding source, or they may need some additional study or design in order to be accomplished. Nonetheless, they are relatively quick turn-around items, and should not require significant lengths of time before they can be implemented. Generally, they should be completed within a window of eighteen months to two years if funding is available. **Long-term** improvements are those that require substantial study and engineering, and may require significant funding mechanisms and/or right-of-way acquisition. These projects generally fall into a horizon of two years or more when funding is available.

4.1 Short Term

1. Town to contact telephone provider to repair the broken telephone handhole at the corner of Route 31/Birch Bend Road.
2. Town to work with landowners to remove illegal signs (Figure 17).
3. Town to establish policies that inform the community that biking is allowed on sidewalks. Current state legislation allows biking on sidewalks unless the town states otherwise.
4. Town with CTDOT to discuss the “Civil War Canal” pit area and roles and responsibilities for repairing and improving it.
5. State to replace outdated signs with the current standards that are retroreflective (Figure 18).
6. Install “Share the Road” signs (Figure 19).
7. Contact Eversource to clear the vegetation off the utility poles and wires.
8. Contact CTDOT to perform routine maintenance on Route 31 of the following:
 - a. Clean out catch basins
 - b. Trim trees (Figure 20)

- c. Mowing of recovery area
- 9. Repair broken curbing along Route 31.
- 10. Town to create a plan for pedestrians and bicycles that can be included in the plan of Conservation and Development
- 11. Collect speed data, including the 85th percentile, at Lisicke Beach, the approach to Ripley Hill Road and the location of the old access point for Old Tolland Turnpike on Route 31.
- 12. Maintain the vegetation on the closed section of Old Tolland Turnpike.
- 13. Repair curb where reveal is 2 inches or greater.
- 14. Request to CTDOT that a school zone be established in front of the middle school.
- 15. Evaluate the need for additional street lighting at the relocated crosswalk on Ripley Hill Road as part of the Safe Routes to School project.
- 16. Paint stop bars on the Ripley Hill Road approach to Route 31.
- 17. Work with CTDOT District 2 Maintenance to understand how the VIP lists works and how it is developed in order to determine where Route 31 one is on the list.

Figure 21 depicts these short term recommendations.



Figure 17. Remove Illegal Signs



Figure 18. Replace Sign with Retroreflective Ones



Figure 19. Example of Share the Road Sign



Figure 20. Vegetation That Needs Trimming

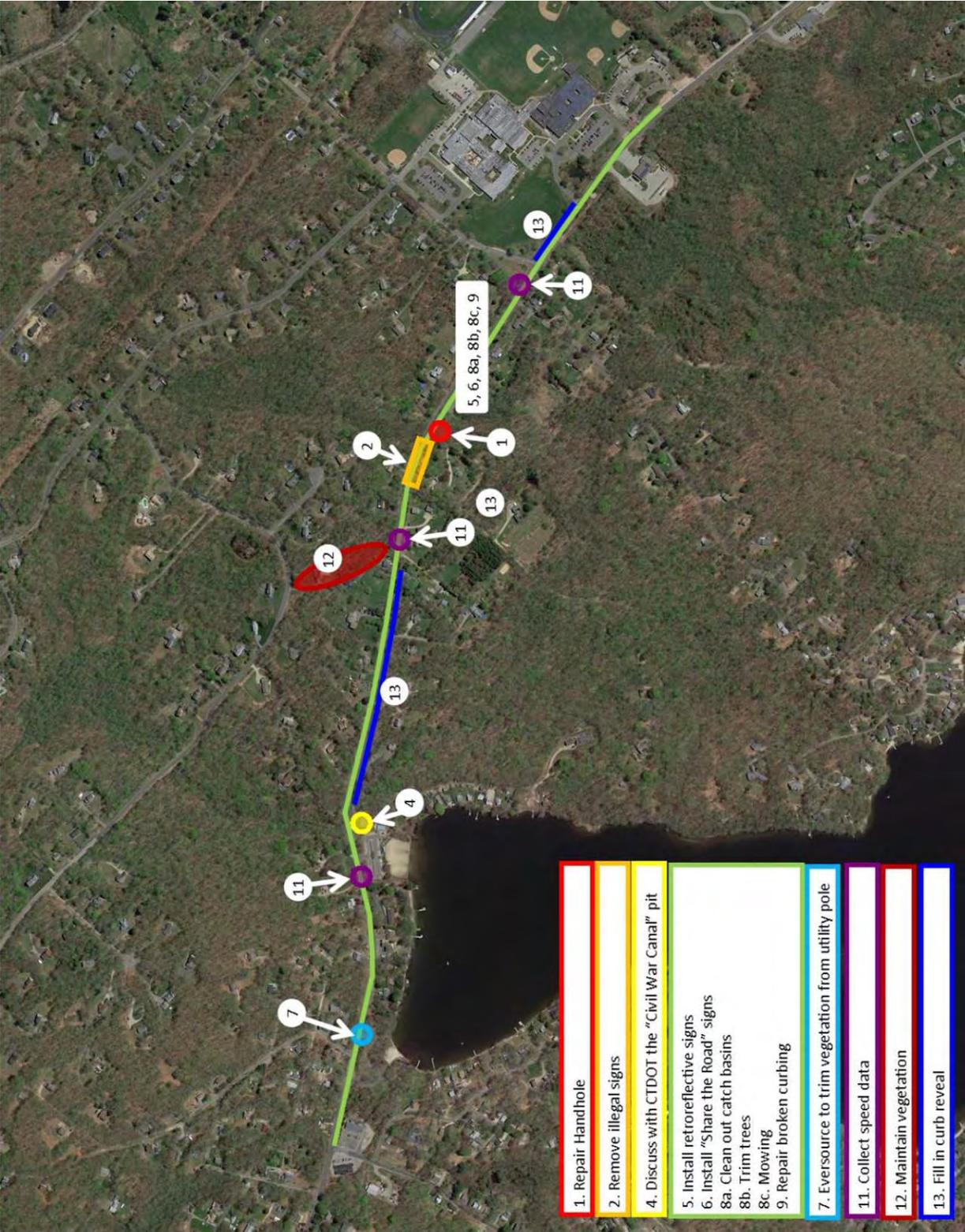


Figure 21. Short Term Recommendations

4.2 Medium Term

1. Replace non bicycle friendly catch basins (Figure 22).
2. CTDOT to repave Route 31 with possible full depth reconstruction and consider:
 - a. Restripe 11 foot travel lanes and wider shoulder lanes
 - b. Install centerline rumble strips (Figure 23).
 - c. Widen the roadway to provide consistent shoulder widths.
3. Request CTDOT perform a signal warrant study for the intersection of Route 31 and Ripley Hill Road and evaluate the potential for a roundabout.
4. Request CTDOT evaluate the need for passing zones on Route 31 in the study area.

Figure 24 depicts these recommendations.



Figure 22. Bike Friendly Catch Basin



Figure 23. Example of Center Line Rumble Strips

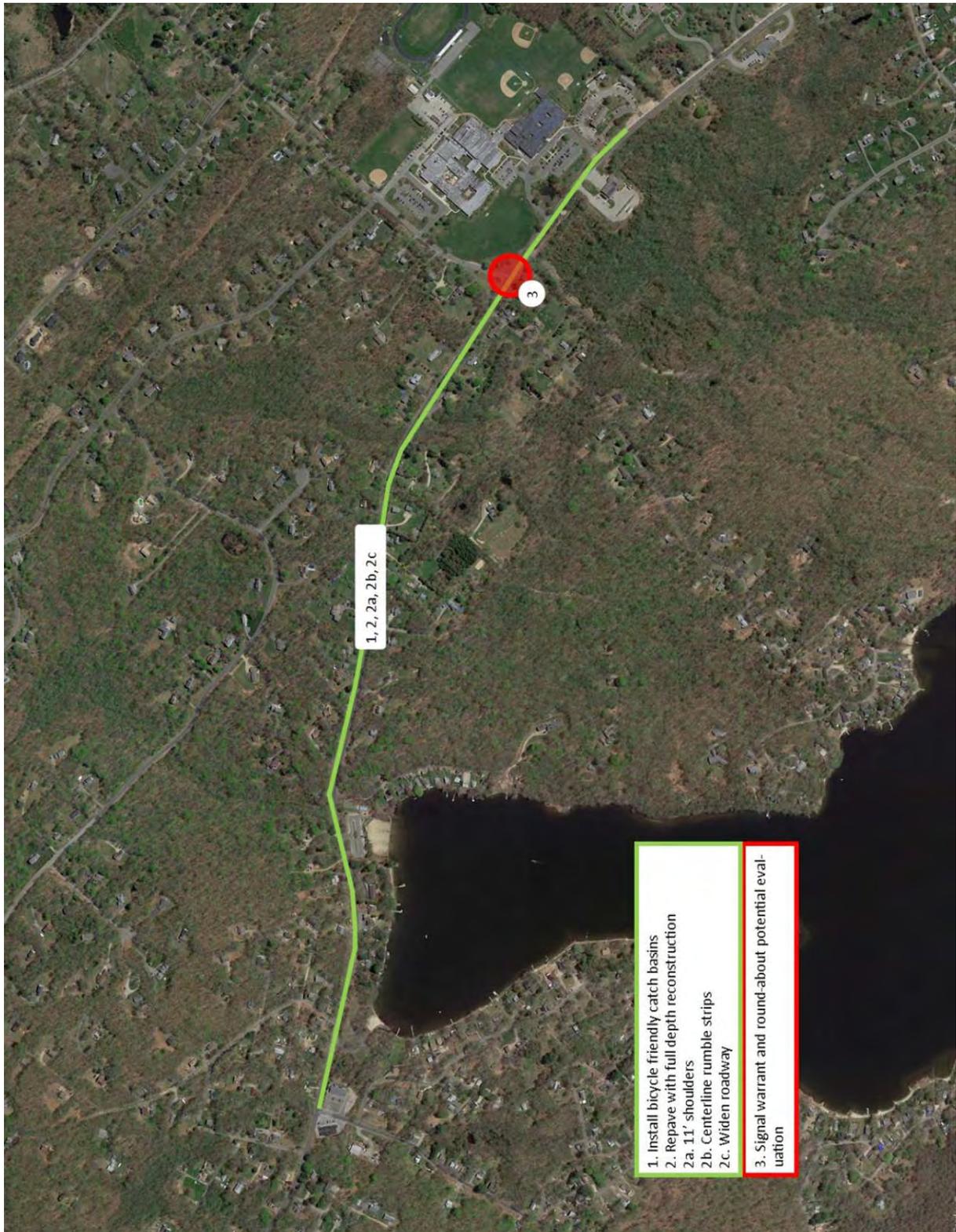


Figure 24. Mid Term Recommendations

4.3 Long Term

1. Install sidewalks along the south side of Route 31 from Daly Road to Ripley Hill Road that are 5.5 feet wide with 4 foot shoulder and drainage (curtain drains) as needed. Coordinate with private property owners to maintain access.
2. Lower the grade on Route 31 to improve sight lines.
3. Reconstruct the intersection of Ripley Hill Road and Route 31 to improve sight lines and safety.
4. Create a pedestrian path along Old Tolland Turnpike and evaluate a mid-block crosswalk on Route 31 to connect to the sidewalks on the south side of Route 31.

Figure 25 depicts these recommendations.

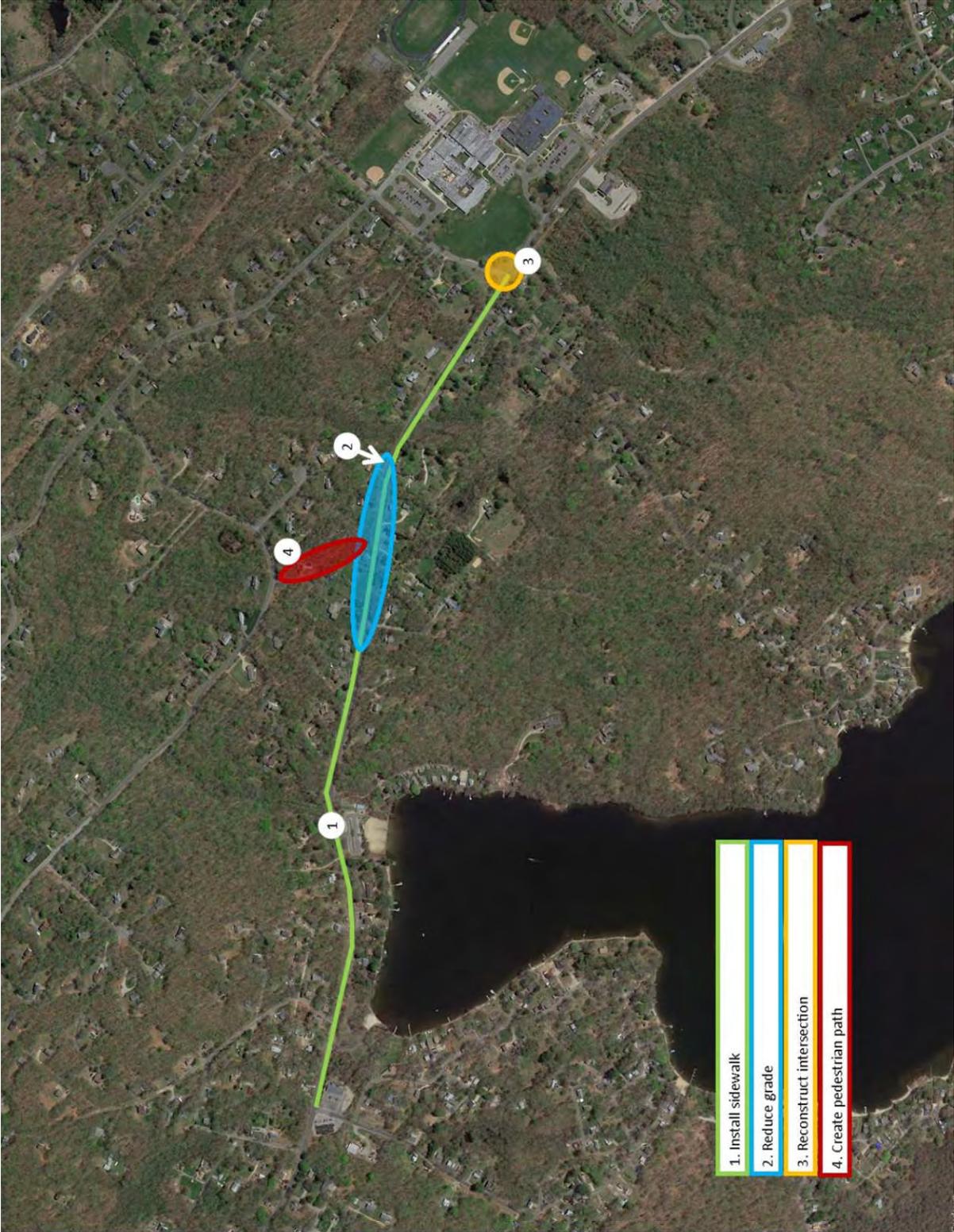


Figure 25. Long Term Recommendations

4.4 Summary

This report outlines the observations, discussions and recommendations developed during the RSA. It documents the successful completion of the Town of Coventry RSA and provides Coventry with an outlined strategy to improve the transportation along Main Street for all road users at, particularly focusing on pedestrians and cyclists. Moving forward, Coventry may use this report to prepare strategies for funding and implementing the improvements, and as a tool to plan for including these recommendations into future development along Main Street.

Capital Improvement Plan

FY 23 *thru* FY 27

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 horizontal alignment 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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance			3,000,000					3,000,000
Total			3,000,000					3,000,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	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



Town Council Presentation @ 8:00 PM – Tuesday, January 18, 2022

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 5 Grant Projects to date. This Daly Road Application would be the sixth (6th) since 2014. The list of Projects are as follows:

Coventry LOTCIP Projects

Application Year	Project Name	Constructi on Year	Construction Values	Design/Const. Docs Values
2014	L032-0001 - Lake St/Cross St Roadway Improvements	2017	\$ 992,200 (Con&Cont) \$ <u>92,000 (Inc)</u> \$1,084,200 (Total)	\$110,700
2017	L032-0002 - Folly Lane Bridge Replacement	2020-21	\$ 1,121,600 (Con&Cont) \$ <u>144,000 (Inc)</u> \$ 1,265,600 (Total)	\$118,900
2018	L032-0003 - Swamp Road at Boston Tnpk. (CT 44)	2022	\$ 1,388,800 (Con) \$ 138,900 (Cont) \$ 138,900 (Inc) \$ <u>358,800 (ROW)</u> \$ 2,025,400 (Total)	\$ 136,700
2018	L032-0004 – South Street Roadway and Pedestrian Improvements	2022	\$ 1,512,400 (Con) \$ 151,200 (Cont) \$ <u>151,200 (Inc)</u> \$ 1,814,800 (Total)	\$ 92,500
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)	\$120,000
		Totals:	\$ 9,151,500	\$ 578,800

Project Location Map



Town of Coventry
Office of the Town Engineer



Project Overview

Daly Road LOTCIP Application will look to improve roadway geometry, drainage infrastructure and add a stand only sidewalk. In particular:

A. Roadway Geometry: Daly Road is a historical road with roots back to the 1800's. While there have been minor spot improvements, the alignment causes substandard sightline stopping distances. Examples:

Horizontal Sightline (due to shoulder)



South of Standish Road looking southwest

Town of Coventry
Office of the Town Engineer



Project Overview: Improvements

Daly Road LOTCIP Application will look to address the following:

A. Roadway Geometry: Continued:

Vertical Sightline



Just north of Lake Road looking southwest

Town of Coventry
Office of the Town Engineer



Daly Road LOTCIP Application will look to address the following:

A. Roadway Geometry: Continued:

Vertical Sightline



South of Bellevue Drive looking southwest

Town of Coventry
Office of the Town Engineer



Daly Road LOTCIP Application will look to address the following:

B. Drainage Improvements: There are six (6) existing drainage outfalls 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
- Hydrodynamic Separators to improve sediment and hydrocarbon collection from the stormwater runoff.
- Outfall improvements including stone energy dissipaters to control discharge velocities to prevent downstream erosion.
- 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.



Project Overview: Sidewalk Overview Map



Town of Coventry
Office of the Town Engineer



Project Overview: Right of Way

Daly Road LOTCIP Application Right of Way Impacts:

Sidewalk easements will be required along easterly Daly Road boundary where the proposed sidewalk encroaches onto private property. 15 abutters have been identified. It is possible that this number may change (increase or decrease) at the time the A-2 boundary survey is completed should the project be selected by CRCOG & CDOT.

Drainage Easements will be required and/or modified at each of the six (6) drainage outfalls. A new drainage easement will be required at the new discharge point just north of the wetland complex near Station 16+00.

Easements for Highway Purposes will be sought to formalize the existing road encroachment at the Lake Road intersection parcels.

Town of Coventry
Office of the Town Engineer



Project Overview: Right of Way

Easement Table

Parcel	Sidewalk	Drainage	Highway
7 Daly Road	Yes	Yes (E)	Yes
75 Daly Road	Yes		
83 Daly Road	Yes	Yes (E)	
93 Daly Road	Yes		
101 Daly Road	Yes		
115 Daly Road	Yes	Yes (E)	
5 Lake Road	Yes		Yes
165 Daly Road	Yes		Yes
22 Lake Road	Yes		
173 Daly Road	Yes		
181 Daly Road	Yes		
189 Daly Road	Yes		
195 Daly Road	Yes	Yes (E)	
21 West Shore Drive	Yes	Yes (E)	
211 Daly Road	Yes		
399 Daly Road	No	Yes (P)	
NE Corner of Bellevue	No	Yes (E)	Yes

Town of Coventry
Office of the Town Engineer



Project Overview: Projected Costs & Schedule

Project Costs:

~4,500LF of Roadway reconstruction, Drainage and sidewalk improvements:

Construction Items:	\$ 2,570,000
Contingencies (10%):	\$ 257,000
Incidentals (10%):	\$ 257,000
Right of Way:	\$ 90,500
Total:	\$ 3,174,500

Projected Design Fees: \$140,000 to \$170,000

Projected Schedule

Application Submittal:	January 19, 2022
CRCOG Endorsement:	May 2022
CDOT Commit to Fund:	October 2022
Start Design:	November 2022
Public Involvement:	February 2023
Construction Docs:	October 2023
Advertise:	December 2023
Construction:	April 2024

Town of Coventry
Office of the Town Engineer



Project Presentation Plans

[Go to Presentation Pdf](#)

Town of Coventry
Office of the Town Engineer



Questions and/or Comments

ANY QUESTIONS AND/OR COMMENTS?

Please reach out to me at:

860-742-4078 or

tpenney@coventryct.org

Town of Coventry
Office of the Town Engineer



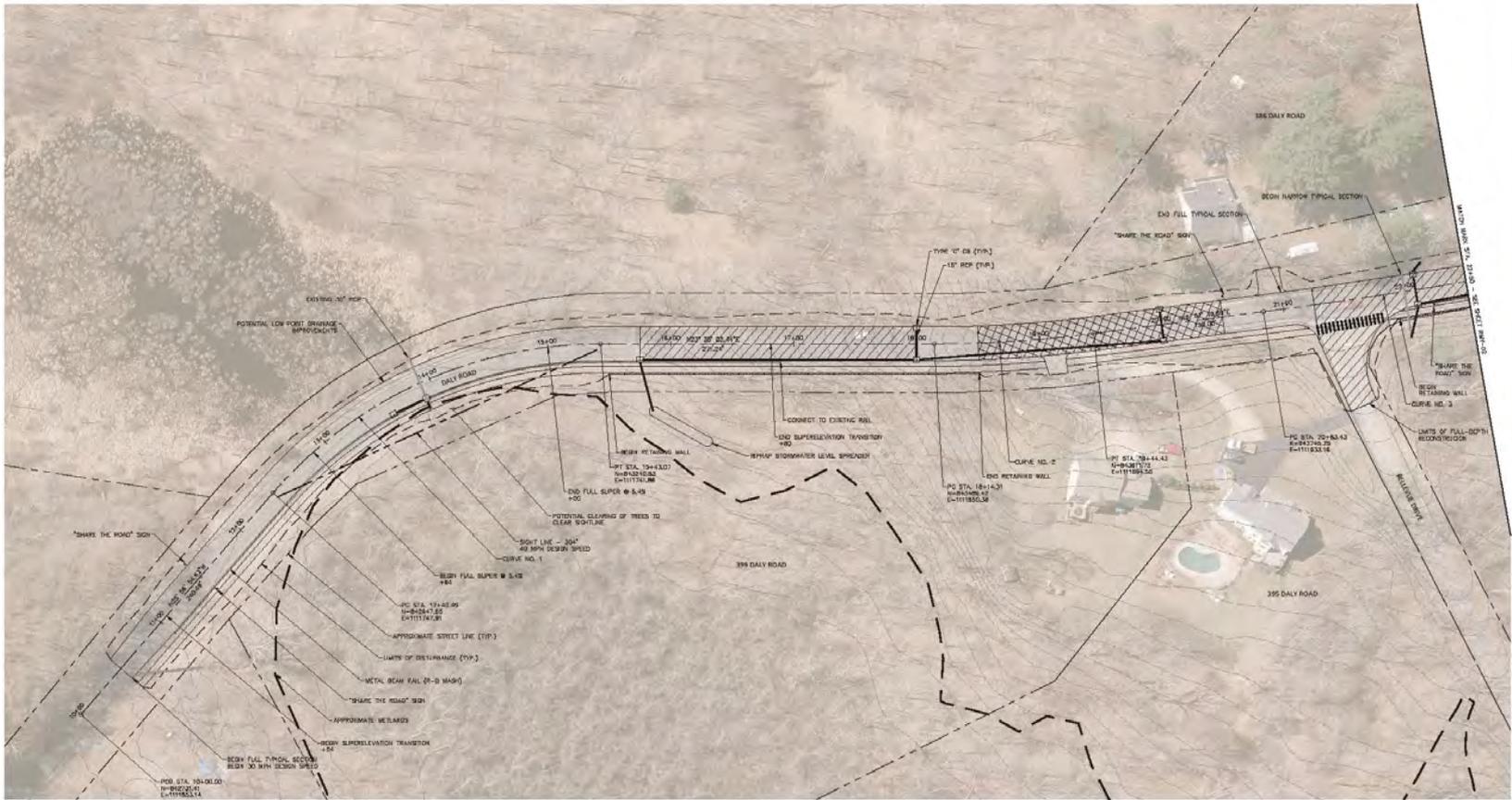
LEGEND

-  SIGNIFICANT FILL (1-1)
-  SIGNIFICANT CUT (1-1)
-  LIMITS OF DISTURBANCE
-  SECTONAL EASEMENT LINE

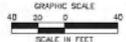
- | | |
|--------------------------------------------|-----------------------------|
| FULL-DEPTH RECONSTRUCTION TYPICAL SECTIONS | |
| 12' LANE | 12' LANE |
| 4' SHOULDER | 2' SHOULDER |
| 4' SHOULDER | 2' SHARED STURMOUS SHOULDER |
| 8.5' BT. CONC. SIDEWALK | 5.5' BT. CONC. SIDEWALK |

NOTES

1. DRAINAGE STRUCTURE TOPS TO BE REPLACED WITH BI-CYCLE SAFE GRATES
2. PROPOSED DRAINAGE IS CONCEPTUAL. THE FINAL CATCH BASIN BEFORE EACH OUTLET SHALL BE PROPOSED WITH A 4:1 SLOPE



CURVE DATA				
CURVE NO.	NORTHING	EASTING	Δ	RADIUS TANGENT LENGTH
PC	842847.85	1111747.91		
PT	842882.85	1111677.99	49°21'31"	200.00' 151.47' 302.88'
PC	842848.42	1111845.30		
PT	842869.12	1111876.55	7°07'30"	1000.00' 66.15' 130.12'
PC	842869.12	1111876.55		
PT	842879.75	1111863.37	3°40'13"	4000.00' 130.06' 583.03'



100 Constitution Plaza, 10th Floor
 Hartford, CT 06183
 (860) 241-2200
 (860) 241-2400 FAX

**DAILY ROAD LOT/CIP APPLICATION
 PRELIMINARY ENGINEERING
 DAILY ROAD
 COVENTRY, CONNECTICUT**

Drawn By: [Name]
 Checked By: [Name]
 Date: 01/18/2023
 Project No.: 2023001
 Title: ROADWAY PLAN

Sheet No. **RWY-01**

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



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LEGEND

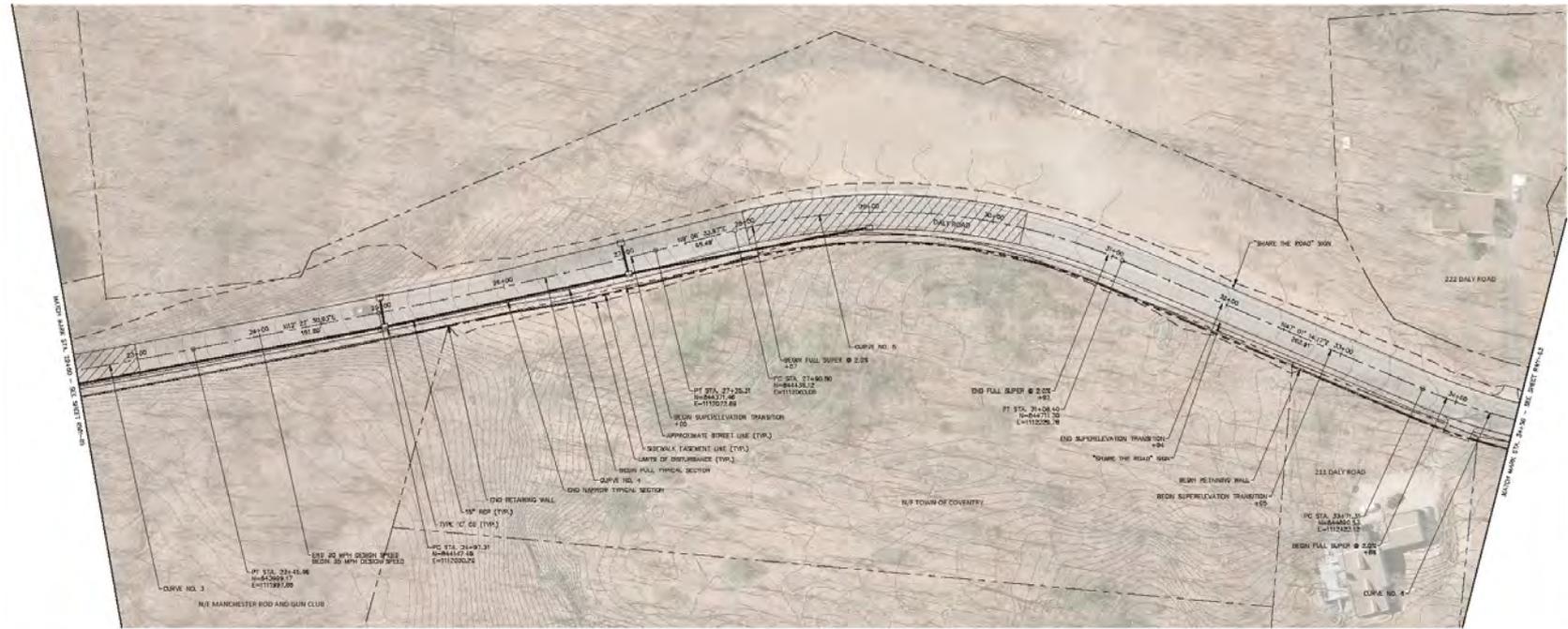
	SIGNIFICANT FILL (D-17)		ROAD-SECTION RECONSTRUCTION TYPICAL SECTION
	SIGNIFICANT CUT (D-17)		WIDENING TYPICAL SECTION
	LIMITS OF DISTURBANCE		SECTIONAL EASEMENT LINE

NOTES

1. DRAINAGE STRUCTURE TOPS TO BE REPLACED WITH BI-CYCLE SAFE GRATES.
2. PROPOSED DRAINAGE IS CONCEPTUAL. THE FINAL CATCH BASIN BEFORE EACH OUTLET SHALL BE PROPOSED WITH A 1:1 SLOPE.



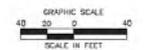
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DAILY ROAD LOT/CIP APPLICATION
PRELIMINARY ENGINEERING
 DAILY ROAD
 COVENTRY, CONNECTICUT

CURVE DATA

CURVE NO.	NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 3	PC	842748.28	1115822.18	31471.7°	4000.00'	1.31 54'
	PT	842878.75	1115844.37			268.60'
	PI	842959.17	111592.04			
CURVE NO. 4	PC	844147.49	1112030.20	27979.7°	6000.00'	114.53'
	PT	844268.81	1112024.41			228.00'
	PI	844371.48	1112072.89			
CURVE NO. 6	PC	844438.13	1112003.09	17952.407°	480.00'	184.96'
	PT	844588.82	1112026.14			317.80'
	PI	844711.35	1112029.76			
CURVE NO. 8	PC	844880.33	1112422.23	80541.10°	480.00'	87.82'
	PT	844882.10	1112436.37			173.79'
	PI	844829.14	1112333.26			



Sheet No. **RWY-02**

Scale: 1"=40'

Date: 01/18/2023

Project No. 2023008

Drawn by: [Name]

Checked by: [Name]

Approved by: [Name]

Scale: 1"=40'

Date: 01/18/2023

Project No. 2023008

Drawn by: [Name]

Checked by: [Name]

Approved by: [Name]

Town of Coventry
 Office of the Town Engineer



LEGEND

-  SIGNIFICANT FILL (C-17)
-  SIGNIFICANT CUT (C-17)
-  LIMITS OF DISTURBANCE
-  SIDEWALK EASEMENT LINE

- FULL-DEPTH RECONSTRUCTION TYPICAL SECTIONS**
- 12' LANE**
- 4' SHOULDER**
- 4' SHOULDER**
- 6.0' BIT. CONC. SIDEWALK**
- 18" SIDEWALK**
- 12' LANE**
- 2' SHOULDER**
- 2' SHARED BITUMINOUS SHOULDER**
- 5.0' BIT. CONC. SIDEWALK**
- 5.0' BIT. CONC. SIDEWALK**

NOTES

1. DRAINAGE STRUCTURE TOPS TO BE REPLACED WITH BI-CYCLE SAFE GRATES
2. PROPOSED DRAINAGE IS CONCEPTUAL. THE FINAL DRAIN BASH BEFORE EACH OUTLET SHALL BE PROPOSED WITH A 4% RAMP.



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 Hartford, CT 06183
 (860) 526-2200
 (860) 548-6000 Fax

**DAILY ROAD LOT/CIP APPLICATION
 PRELIMINARY ENGINEERING
 DAILY ROAD
 COVENTRY, CONNECTICUT**



CURVE DATA

CURVE NO.	NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 6	PC 844880.83	1112428.12				
PI	844880.40	1112488.37	394°41'47"	480.697	83.847	178.173
PT	844839.14	1112538.76				
CURVE NO. 7	PC 845216.24	1112799.34				
PI	845216.27	1112799.35	119°50'37"	10000.000	168.687	337.377
PT	845076.26	1112854.77				



Sheet No. **RWY-03**

Scale: 1"=40'

Date: 01/18/2020

Project No. 2019-001

Field Book: 19A/21/02/0001

File: 19A/21/02/0001

Drawn: G.L.M.

Checked: R.P.A.

Scale: 1"=40'

Project No. 2019-001

Date: 01/18/2020

Field Book: 19A/21/02/0001

File: 19A/21/02/0001

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



Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 23-PW-01
Project Name Power Curber

Type Equipment
Useful Life 10 years
Category Equipment - Highway Equip

Department Public Works
Contact Public Works Director
Priority 2 Very Important



Description **Total Project Cost:** \$25,000

Self propelled walk behind curbing machine to install new road curbing.

Justification

Current 1994 machine has mechanical issues and needs to be replaced

Contracting out for smaller jobs causes scheduling conflicts.

Hope to have funding from sale of used vehicles and equipment scheduled for spring 22.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		25,000						25,000
Total		25,000						25,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Miscellaneous Highway Fund		25,000						25,000
Total		25,000						25,000

Budget Impact/Other

Miller Curber *Co.LLC*

Curbuilders®



Stands the test of time™



Product Overview

For over fifty years the Miller MC Series Curbuilders have offered unequaled performance and versatility for the placement of free-standing curb. These simple and efficient self-propelled machines operate on the extrusion principle and provide the most economical means available of constructing small to mid-sized continuous curb from either concrete or asphalt. This quick and efficient process drastically reduces the high labor costs associated with hand formed and poured curb and produces high quality, extremely dense curb at a rate of up to 15 fpm (up to 30 fpm for MC900). Miller's exclusive interchangeable extrusion auger assemblies give each Curbuilder the capacity to extrude more shapes and sizes than any machine in its class, from 3-1/2" to 18" high curb. A wide variety of options allow these machines to meet the toughest specification work.



MC550/650

Miller Advantages

- Every model will extrude concrete or asphalt
- Four interchangeable extrusion assemblies with auger diameters from 5" to 10"
- Extrude from right or left side of the machine
- Place curb within 1" of an obstacle
- Extrude steel rod through the curb center (optional hollow auger assembly)
- Extrude over pins (optional form)
- Two-piece 5" and 6" cast auger allowing four separate wear surfaces for extended life
- Easy access and removal of all extrusion components for maintenance and quick clean-up
- Nearly 2,000 curb choices with custom shapes available at no additional cost



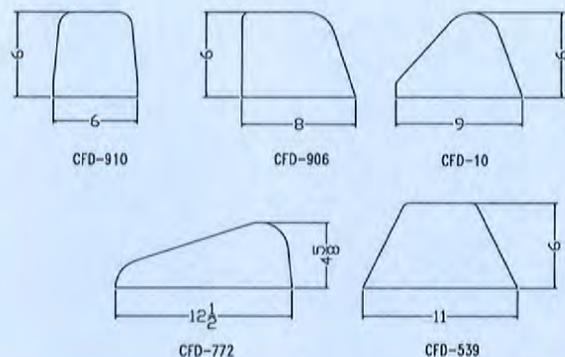
MC900

A Sample of the Nearly 2,000 Curb Designs

Use the following chart as a guide to determining the proper auger.

Auger Size	Cross Sectional Area		Height		Width	
	Min	Max	Min	Max	Min	Max
5"	18 sq. in.	35 sq. in.	3.5"	6"	5"	9"
6"	33 sq. in.	55 sq. in.	4"	10"	6"	14"
8"	56 sq. in.	119 sq. in.	6"	18"	8"	18"
10" *	120 sq. in.	220 sq. in.	8"	18"	10"	18"

* MC850 and MC900 only



A high percentage of extruded curbs have a cross sectional area between 33 and 55 square inches, so every Miller Curbuilder is equipped with the 6" extrusion assembly as standard equipment. Assemblies of other sizes are available and can easily be retrofitted to machines in the field. Each assembly is complete and includes auger, auger shaft, auger housing, compaction tube, bearings and driven sprocket.

PRODUCT SPECIFICATIONS



	MC550	MC650	MC850	MC900
Operating Weight	668 lb.	718 lb.	918 lb.	959 lb.
Height (steering handle down)	38"		38"	40.5"
Width	32.25"		32.25"	32.25"
Length with Form (steering handle up)	77.5"		77.5"	91.5"
Wheelbase	52.75"		52.75"	71"
Hopper Capacity	6.1 cubic feet		6.1 cubic feet	9.0 cubic feet
Standard Tire Configuration	(9) 8" dia. x 2" solid rubber		(9) 8" dia. x 2" solid rubber	(4) 4.10 x 3.50 pneumatic front + (3) 8" dia. x 2.5" solid rubber rear
Engines	13 HP Honda 14 HP Kohler		20.3 HP Honda	20.3 HP Honda
Engine Starting System	Recoil	Electric	Electric	Electric
Fuel Capacity	1.6 gal.		2.3 gal.	3.3 gal.
Standard Auger Configuration	(2) cast 6" dia. x 9" lg.		(2) cast 6" dia. x 9" lg.	(3) cast 6" dia. x 9" lg.
Optional Auger Configurations	(2) cast 5" dia. x 9" lg. (1) welded 8" dia. x 18" lg.		(2) cast 5" dia. x 9" lg. (1) welded 8" dia. x 18" lg. (1) welded 10" dia. x 18" lg.	(3) cast 5" dia. x 9" lg. (3) welded 8" dia. x 9" lg. (3) welded 10" dia. x 9" lg.
Hollow Auger Shaft (to extrude rebar)	Optional		Optional	Not available
Drive System	Automatic centrifugal clutch to enclosed 8:1 gear reducer; final auger drive chain & sprocket Extrusion process provides self-propulsion			
Steering	Tie rod with 40" steering handle			
Brake	Friction pad on steering handle			

OTHER AVAILABLE MODELS:

- MC655** Same as MC650, but with modified frame allowing extrusion under existing guardrail.
- MC750** Same as MC650, but with two continuously turning auger assemblies, one mounted on the left and one on the right, allowing immediate changeover from right to left hand extrusion.

Landscape Curbilders®

PRODUCT OVERVIEW Two different machine models are available to meet small curb requirements, from decorative landscape borders to small tack-down commercial applications. Either the **MC250** extrusion machine, or the **MC350** reciprocating plunger machine, will produce high-quality, free-standing concrete curb.

Both machines feature:

- Console-mounted emergency stop
- Hour-service meter
- Level indicator
- Multi-position steering handle
- Lifting bail

MC250 features:

- Superior speed, curb-density, and strength due to extrusion process.
- Ideally suits both decorative borders and small commercial applications
- Continuous speeds to 10 fpm

MC350 features:

- Reversible curb forms for left or right curb placement
- Simple disassembly for cleanup
- Reduced maintenance costs due to reciprocating plunger design

PRODUCT SPECIFICATIONS

	MC250	MC350
Operating Weight	202 lb.	190 lb.
Transport Height	36.5"	36.5"
Width	21.5"	21.5"
Length with Form	40.75"	45"
Hopper Capacity	0.86 cubic feet	0.63 cubic feet
Engine	4 HP Honda recoil start	3 HP Honda recoil start
Fuel Capacity	2.1 qt.	0.81 qt.
Drive	Automatic centrifugal clutch; belt drive to enclosed gear reducer; final drive chain and sprocket	Belt drive to enclosed gear reducer; final drive chain and sprocket
Extrusion Mechanism	4" diameter extrusion auger	6" reciprocating plunger
Tires	(3) - x 3.50-4 pneumatic	



Tools



	All Aluminum Asphalt Lute	Wood Handled Asphalt Lute	All Aluminum Landscape Rake	All Steel Hand Tamp
Handle	1-5/32" dia. x 82" lg.	1-1/4" dia. x 66" lg.	1-5/32" dia. x 66" or 82" lg.	1-5/16" dia. x 48" lg.
Blade	30" or 36"	30"	36" Aluminum	1/2" x 8" x 8"
Blade Edge	Plain or Serrated	Plain	2.5" Tines	N/A
Handle Brace Style	L-9 Standard	L-24 Standard	L-9 Standard	N/A
Weight	3.75 lb. (36" blade)	3.5 lb.	3.5 lb. (82" handle)	18.5 lb.

L-Bracing



	All Steel Hand Roller
Drum Size	14" O.D. x 3/8" thick 15" wide with beveled edges
Handle	Counterweighted to return to upright position
Weight	180 lb.

For additional information please call 1-800-377-4565 or visit www.millercurber.com



4020 Simon Road
Youngstown, Ohio 44512

1-800-377-4565
Tel: 330-782-8081
Fax: 330-782-1047

www.millercurber.com



Capital Improvement Plan
Town of Coventry, Connecticut

FY 23 *thru* FY 27

Project # 23-PW-02
Project Name Ballfield Infield Groomer



Type Equipment
Useful Life 15-20 years
Category Equipment - Ground Maintenanc
Department Public Works
Contact Public Works Director
Priority 1 Critical

Description **Total Project Cost:** \$25,000
 Toro sand pro ballfield infield groomer.

Justification
 Existing machine is a 2006 and no longer reliable.
 Adding two additional baseball/softabll fields in this fiscal year.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings		25,000						25,000
Total		25,000						25,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Capital NonRecurring Fund		25,000						25,000
Total		25,000						25,000

Budget Impact/Other

TORO.

SAND PRO® SERIES

INFIELD GROOMER / BUNKER RAKE

**TOURNAMENT CONDITION,
EVERY DAY.**



SAND PRO® 2040Z



SAND PRO® 2040Z

The Sand Pro 2040Z mechanical groomer is unlike anything else in the marketplace – a zero-turn groomer delivering unmatched maneuverability and productivity. This unique machine with its exclusive nail drag/flex groomer is the perfect solution for daily bunker or infield grooming. The nimble Sand Pro 2040Z will save valuable time, reducing labor costs while improving surface playability and consistency.



» FEATURES

- Kawasaki 12.2 hp (9.1 kW) gasoline, v- twin engine
- Integrated nail drag and flex groomer for one-pass grooming
- Power steering via independent control sticks
- Unitized transmission minimizes hydraulic lines and connections
- Transport speed up to 12 mph (19.3 km/h) 20% faster than other models.
- Hydraulic-powered groomer lift
- Two-post fixed ROPS, ISO/DIS 21299.2 certified

Visit toro.com or call your local distributor for a full list of available accessories and attachments.



» COUNT ON INNOVATION

The patented "Lift In Turn" feature makes the inside flex tooth rake section lift in a tight turn preventing teardrop formation, leaving a uniform surface. The Toro Sand Pro 2040Z delivers one-pass grooming with an optimal finish in the tightest of turns.



» UNPARALLELED MANEUVERABILITY

Operating the Sand Pro 2040Z is virtually effortless with power steering via two independent control sticks. The zero-turn design allows the machine to turn on a dime, easily grooming around obstacles and hard to reach areas other groomers cannot access. Groom more area with less labor, allowing your staff to complete other tasks sooner.

SAND PRO® 3040/5040



SAND PRO® 3040/5040

It's time to demand more from your grooming rake. With the exclusive Quick Attach System™ (QAS) offering tool-free, quick attachment change-outs and over 25 valuable attachments, the Sand Pro 3040 and 5040 are versatile utility vehicles with many uses. The Sand Pro 5040's optional front QAS provides added flexibility and exclusive steerable front attachments to ensure precision. The Toro Sand Pro keeps bunkers and sports fields in tournament condition every day.



» FEATURES

- Quick Attach System to change implements in seconds without tools
- Over 25 implements available (See List)
- Hydraulic power steering (5040)
- Exclusive steerable front attachments (5040)
- 16hp (11.9 kW) – 3040, 18hp (13.4 kW) – 5040 Vanguard® V-twin engine
- Responsive hydraulically-actuated front (5040) and rear attachments



» ACCESSIBLE MAINTENANCE

The unit was designed to reduce, simplify, and increase access to all scheduled maintenance. The majority of scheduled maintenance tasks can be accessed by lifting the operator seat. For increased access, the side and center quarter panels can be taken off by removing just a few bolts.



» QUICK ATTACH SYSTEM

With the Quick Attach System (QAS), anyone can switch from one attachment to another in less than a minute, with no tools required! Match the machine to the environment to get your fields back into playing condition. QAS allows you to do more with less, and get the job done faster.

Rear QAS is standard on the Sand Pro 3040 and 5040, front QAS is optional on the Sand Pro 5040.

ATTACHMENTS & ACCESSORIES



LIP BROOM

Specially designed bristle broom driven by QAS remote hydraulics and removes ridge buildup by sweeping material back into the infield. Hydraulically lifted and lowered, steerable, and offers flexibility for aggressiveness and speed.



QAS™ BUNKER PUMP

Bring your flooded areas back in play faster. Driven by powerful on-board hydraulics, the Bunker Pump throws water up to 40 ft (12.2 meters), pumping 95 gallons per minute (360 liters per minute).



SPRING RAKE

Designed for sole use or with a tooth rake. Great for wet conditions and collecting debris in groomed areas. Five individual rake sections and spring teeth for excellent flotation and minimal surface disruption.



HYDRAULIC FLEX BLADE

Steerable flex design provides ultimate control. Levels, packs and smooths uneven areas in one pass. Dual-function edge can be rotated on the jagged or smooth side. 36 inch (91.4 cm) wide steel blade with four position settings: Raise, Hold, Lower, and Float.



SPORTS FIELD EDGER

Maintain or renovate ball fields by removing overgrown turf infield or warning track lip build up.



NAIL DRAG

Can be lifted and lowered hydraulically and has adjustable down-pressure across the entire width of the drag for a smooth, even scarification across all surfaces.



FLEX GROOMER

Pairs with Nail Drag offering complete grooming in one pass. Optional Accessories include AutoMat or Manual Drag Mat.



CARBIDE TINE TOOLBAR

Carbide tips withstand the harshest conditions. Perfect for loosening compacted infields. Hardened carbide tips available for scarifier teeth. Requires Mid-Mount Assembly.



AUTOMAT DRAG MAT

Automatically engages the infield skin as the Nail Drag is lowered.

FRONT ATTACHMENTS

- Hydraulic Flex Blade
- Manual Blade
- Bunker Pump
- Lip Broom
- Nordic Plow

MID ATTACHMENTS

- Weeder Tine Toolbar
- Spring Tine Toolbar
- Solid Tine Toolbar
- Carbide Tine Toolbar
- Sports Field Edger
- Profile Blade Toolbar

REAR ATTACHMENTS

- Flex Tooth Rake
- Manual Drag Mat
- Coco Drag Mat
- Steel Drag Mat
- Bunker Pump
- Segmented Grooming Broom
- Spiker
- Finish Grader
- Debris Blower
- Lip Broom
- Spring Rake
- Nail Drag
- Tooth Rake
- Flex Groomer
- AutoMat Drag Mat
- Rahn Groomer*
- Grooming Brush
- Basic Drag Mat

Visit toro.com or call your local distributor for a full list of available accessories and attachments.

*Available from Rahn Industries at RahnIndustries.com 800-298-1707.

SPECIFICATIONS

SAND PRO® INFIELD GROOMER/BUNKER RAKE

MODEL	2040Z	3040	5040
ENGINE	Kawasaki® 2-cylinder, air cooled, gasoline engine; Gross HP 13.6 HP (10.1 kW), Governed HP 12.2 HP (9.1 kW) @ 2400 rpm; Max torque 27.3 ft.-lbs. (37.0 Nm) @1800 rpm; Displacement 36.7 cu.-in. (603 cc); Oil capacity w/filter 1.7 qts. w/filter (1.5 w/o filter); Oil Filter External, spin-on	Vanguard®, V-twin cylinder, 4-cycle, OHV, air-cooled, gas engine with cast iron sleeves. 16 hp (11.9 kW) at 3600 rpm. Displacement: 29.3 cu. in. (480 cc). Oil capacity: 1.75 quart (1.8 liter). Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.	Vanguard®, V-twin cylinder, 4-cycle, OHV, air-cooled, gas engine with cast iron sleeves. 18 hp (13.4 kW) at 3600 rpm. Displacement: 34.8 cu. in. (570 cc). Oil capacity: 1.75 quart (1.8 liter). Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.
AIR CLEANER SYSTEM	Heavy-duty single-stage cyclonic air filter with replacement element	Remote-mounted 3-phase Donaldson® air cleaner.	
FUEL CAPACITY	4.5 gals (17 liters) of unleaded gas (maximum 10% ethanol)	5.0 gallon (18.9 liter) of unleaded gasoline.	
TRACTION DRIVE	Belt-driven independent infinitely variable unitized transmission, with automatic tensioning system.	Direct driven hydrostatic variable displacement piston pump to 3 hydraulic motors for 3WD. Large, front mounted hydraulic cooler and fan. Foot pedal control, forward/reverse. Patented Series/Parallel hydraulic traction system keeps three wheels working together, virtually eliminates spin-outs.	
GROUND SPEED	Forward 0-12 mph (0-19.3 km/h), Reverse 0-4 mph (0-6.4 km/h). See Speed Limiter Kits below for additional information.	Infinitely variable 0-10 mph (16 km/h) forward; 4.3 mph (6.9 km/h) reverse.	
TIRES/WHEELS	Drive Wheels 25x12- 9, 3 ply rating pneumatic tubeless demountable with a Turf Tamer (knobby) tread. Front Wheel 16x7.5-8 4 ply rating pneumatic tubeless demountable with turf traction tread. Recommended tire pressure: 7 psi all tires	Three, 22 x 11.00-8 pneumatic tubeless tires on demountable, interchangeable wheels. Tire pressure: 8-10 psi (55.2-69 kPa).	
MAIN FRAME	Rectangular structured steel tube and high strength steel plate welded construction.	Tricycle vehicle with welded rectangular tubular steel frame construction. Rear engine placement.	
BREAKS	Twin levers with dynamic braking through hydrostatic transmission. Hand actuated parking brake lever that controls two integral wet disc brakes contained within transmission.	Dynamic braking through the hydrostatic transmission and hand actuated brake lever.	
STEERING	Power steering controlled through two independent control sticks with integrated dampeners. Min. turning radius: 0" (0 cm)	Manual front wheel steering. 15" (38 cm) diameter steering wheel. Double lubed for life gearbox.	Hydraulic power steering. 15" (38 cm) diameter steering wheel.
CONTROLS/GAUGES	Ignition: Off/Run/Start; Throttle: Low - High Idle; Choke: Open/Closes choke plate; Parking Brake: Off - On LCD logic cluster includes hour meter and safety interlocks for operator presence, neutral and parking brake.	Hand-operated choke, throttle, and hydraulic control for raising/lowering with float. Foot pedal controls traction forward/reverse speed. Rear hydraulic lift and lower controls. Gauges: hour meter.	Hand-operated choke, throttle, and hydraulic control for raising/lowering with float. Foot pedal controls traction forward/reverse speed. Front and rear hydraulic lift and lower controls. Gauges: hour meter.
DIMENSIONS	Width: 71.5" (182 cm) with Nail Drag, Length: 84.8" (215 cm) with Nail Drag, Height: 73.0" (185 cm), Wheelbase: 58.0" 147 cm, Weight: 970 lbs. (439 kg) with Nail Drag.	Width: 58" (147 cm), Length: 67.5" (171.5 cm), Height: 45.25" (114.9 cm), Wheelbase: 42.75" (108 cm), Weight: Net weight (less fluids): 930 lbs. (421.8 kg).	
SEAT	High back cushion vinyl seat with drain hole, integrated armrest and retractable seat belt; adjustment is 4 inches fore and aft.	High-back cushion seat w/drain hole. 4" (10.2 cm) front-back adjustment w/additional 1.75" (4.4 cm) mounting adjustment. (Arm rests optional)	
GROUND CLEARANCE	5.5" (14 cm) (at machine centerline 24 in tire)	6.0" (15.2 cm)	
WARRANTY	2-year limited warranty. Refer to the Operator's Manual for further details.	Two-year limited warranty. Refer to the Operator's Manual for further details. Briggs & Stratton® provides a two-year commercial engine warranty and a lifetime Magnetron® warranty.	

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.



Cives Corporation, dba
 Viking Cives (USA)
 14331 Mill Street
 Harrisville, NY 13648
 Phone: (315) 543-2321
 Fax: (315) 543-2366
 www.vikingcives.com

QUOTATION

Quote ID: 3

Page 1 of 2

2012 Factory/Shipper
 Catalog

TO BE INSTALLED ON 9000

Customer: T/O Coventry Ct

Quote Number: 39226

Contact: Hook lift equipment package

Quote Date: 3/26/2021

Address:

Quote valid until: 5/26/2021

For: Coventry Ct

Terms: Net 30 days

Phone: Note: the equipment will be installed at our CT location

Salesperson: Chris Rose

Fax:

FOB: Your Location

Attn: Dan

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	<p>24,000LB Stellar hook lift model 96-24-10 with a 54" hook height installed including a heavy duty box tube rear ICC bumper with LED flashers-S/T/T and back up lights, 3/4" pintle plate with 25 ton hook, , completely installed and painted black.</p> <p>Hydraulic system modifications consisting of installing a side of frame mounted hydraulic tank/valve enclosure, return filter, mounting of your existing valve in the enclosure, all hydraulic hoses and couplers to complete the modifications, complete system fully installed and operational.</p> <p>Note: Hydraulic components must be fully functional PTO/Pump/Valving And controls, the town would remove the existing all season body.</p>		

6

Quote Total:	\$35,475.00
Discount:	\$0.00
Total Due:	\$35,475.00

The following options may be added:

QUANTITY	DESCRIPTION	PRICE EACH	AMOUNT

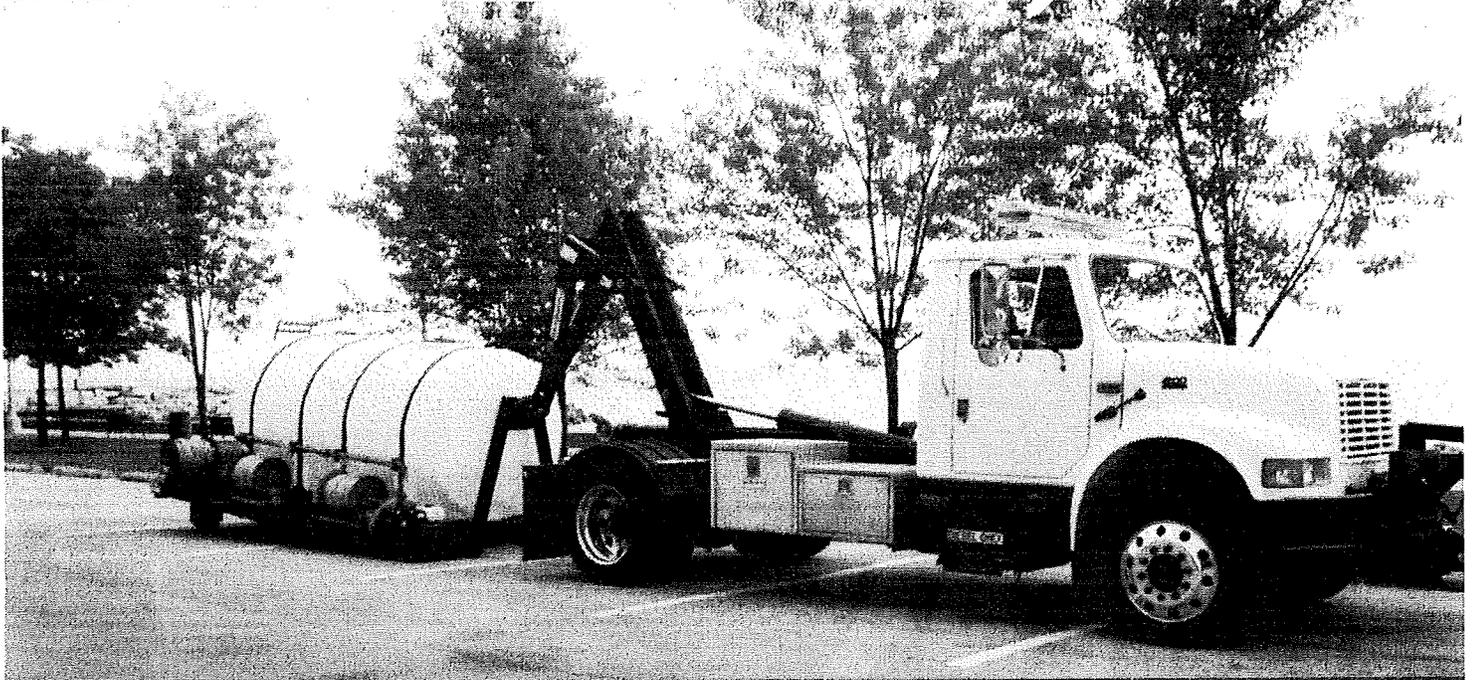
Customer must fill out the information below before the order can be processed...

Accepted by:	
Date:	
P.O. number:	

The price and terms on this quotation are not subject to verbal changes or other agreements unless approved in writing by the Home Office of the Seller. All quotations and agreements are contingent upon strikes, accidents, fires, availability of material and all other causes beyond our control. Prices are based on costs and conditions existing on date of quotation and are subject to change by the Seller before final acceptance.

Stellar® Hooklift Hoists

24,000



TECHNICAL SPECIFICATION GUIDE

Stellar designed this special hooklift from the ground-up for the municipality or contractor who needed a short, maneuverable single axle truck with a high payload capacity. We determined through surveys of our distributors and end users that the most common body on this truck would be a dump body.

Designed for a truck with a CA of 84", this model is proving its worth all across the country in tough day-in, day-out use. The 96-10-24 has since proved it is as equally suited for a salt spreader, vacuum tanker, asphalt patcher, or one of many other limited use applications.

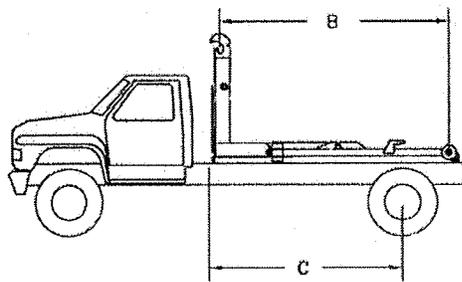
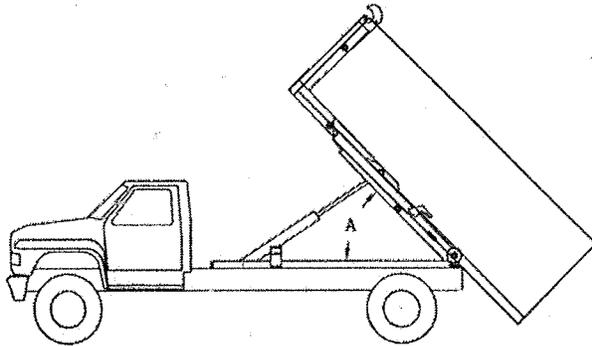


Our People. Our Products.

STELLAR TRUCKS, INC.

STELLAR® 24,000 LB. CAPACITY HOOKLIFT HOIST

■ SPECIFICATION INFORMATION



- Will accommodate bodies from 10-feet up to 12.5-feet long and still retain the maximum rated dump angle on a 41-inch high frame truck. Longer bodies may be accommodated with reduced dumping capabilities.
- Transmission-mounted PTO and hydraulic pump required to power the hooklift.
- Standard in-cab manual controls which allow for precise metering of the manual hydraulic valve.
- Ten (10) gallon frame-mounted oil tank.
- Operating pressure is 4,200 psi.
- Hydraulic flow required is 16-gallons per minute.
- Patented dump/load interface on double pivot models.
- Hydraulic locks to prevent cylinder collapse in case of hose failure.
- Hook latch to prevent body from becoming detached prematurely.
- Mechanical rear body tie-down latches.
- Resettable dump/lift tabs.
- Hydraulic plunger valve to prevent front tilt movement when the dump frame is raised.
- Permanently lubricated and greasable bushings used throughout.
- Carbon steel and zinc plated or type 17-4 stainless steel pins used throughout.
- All weldments painted with two-part polyurethane enamel.

Item Description	96-10-24
A Dump Angle	54°
B Effective Length	115" (2921 mm)
C Cab to Axle	84"-102" (2134-2591 mm)
Lift/Dump Capacity	24,000 lb. (10886 kg)
Shipping Weight	2,500 lb. (1134 kg)
Rec. Body Lengths	10'-12.5' (3048-3810mm)
Hook Height	54" (1,372 mm)
Min. Truck GVWR	26,000 lb. (11,793 kg)

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 23-PW-04
Project Name Additional Backhoe

Type Unassigned
Useful Life
Category Vehicles - Construction

Department Public Works
Contact Public Works Director
Priority n/a



Description **Total Project Cost:** \$175,000

A second back hoe with 4 wheel drive, side dump and thumb.

Justification

With only one backhoe the crews are limited to what projects can be assigned. This leads to additional contracting out.

Propose to study this proposal during FY 23 and compare costs of contracting, renting for a specific project versus the versatility of having a second apparatus.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings			175,000					175,000
Total			175,000					175,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
General Fund			175,000					175,000
Total			175,000					175,000

Budget Impact/Other



November 21, 2021

Town of Coventry
1712 Main Street
Coventry, CT 06238

Attn: Bill Watkins

We are pleased to quote the following Caterpillar Backhoe Loader.
Per State of Connecticut Contract # 14PSX0331

We are pleased to quote the following piece of Caterpillar equipment.

Caterpillar 440 Backhoe Loader:

Enclosed Cab with Heat and A/C, Heated Deluxe Seat, 4WD, Ride Control, Auto-shift Transmission, Extendable Stick, IT Front Coupler, Rear Auxiliary Hydraulics, 110 Volt Block Heater, Stabilizer Guarding, Flip Over Pads

	<u>List</u>	<u>Net 28.2051% Discount</u>
Per Spec	\$ 186,834.00	\$ 134,137.00
	<u>List</u>	<u>Net 24% Discount</u>
Additional Attachments		
General Purpose Bucket 2.0yd	\$ 6,035.00	\$ 4,587.00
PG Coupler, Manual	\$ 2,090.00	\$ 1,588.00
18" HD Bucket	\$ 1,653.00	\$ 1,256.00
24" HD Bucket	\$ 1,979.00	\$ 1,504.00
Thumb, Hydraulic	\$ 5,500.00	\$ 4,180.00
Thumb Tine	\$ 556.00	\$ 423.00
Bucket Pins 2-Sets	\$ 350.00	\$ 266.00
1.25yd Side Dump Bucket	\$ 17,028.00	\$ 12,941.00
Accessories		
(2) Rear 540/70R24 Nokian TRI2 #T445672		\$ 4,250.00
OEM Rear Tire Buyback Credit		\$ (950.00)
Total Purchase Price with all options		\$ 164,181.00
Trade Credit: NONE		\$ 0.00
		TOTAL \$ 164,181.00

Sincerely,

Reed Hofmann
Machine Sales Representative

H. O. PENN MACHINERY COMPANY, INC.

Bronx, NY 10465 699 Brush Avenue (718) 863-3800	Holtsville, NY 11742 660 Union Avenue (631) 758-7500	Holtsville, NY 11742 15 Middle Avenue (631) 758-7500	Poughkeepsie, NY 12603 122 Noxon Road (845) 452-1200	Newington, CT 06111 225 Richard Street (860) 666-8401	Bloomington, NY 12721 783 Bloomingburg Road (845) 733-6400
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Cat[®] 440

BACKHOE LOADER



FEATURES:

The Cat[®] 440 Backhoe Loader delivers improved machine performance, a superior hydraulic system, improved operator controls and ergonomics, and overall versatility. The 440 features the following:

- **Ergonomic Operator Station** – Adjustable Seat Mounted Controls improve ergonomics by increasing operator comfort and legroom. Operators have Loader and Backhoe Controls in the palm of their hands, whether they are facing the Loader, the Backhoe, or sitting off set. Variable Speed Steer reduces operator fatigue in applications, such as truck loading, by reducing the number of steering wheel rotations required to turn the machine. The new Spring Applied Hydraulically Released (SAHR) Parking Brake is controlled by simply pressing a button.
- **Advanced Hydraulics** – The Cat Backhoe Loader's load sensing piston pump provides full hydraulic lifting and digging forces at any engine speed. Variable flow pump matches hydraulic power to work demands. The advanced hydraulic system allows the operator to adjust Loader and Backhoe Auxiliary Flow matching attachment specifications, program Loader Bucket Kickout and Return to Dig, and Enable Parallel Lift.
- **Machine Performance** – The Cat C4.4 ACERT[™] engine delivers solid performance and meets U.S. EPA Tier 4 Final/EU Stage IV emission standards by utilizing Selective Catalytic Reduction technology with a Diesel Oxidation Catalyst. The new Backhoe design and optimized Loader Linkage increases lift capacity and breakout forces on both ends of the machine. A redesigned Loader System provides superior machine balance and stability regardless of the ground conditions.
- **Machine Versatility** – The all new Integrated Tool Carrier (IT Coupler) for Single Tilt Loader Arm configurations are available from the factory or for simple field installation. The Cat Backhoe Loader with Integrated Tool Carrier (IT Coupler) will be the most versatile machine on the job site providing quick connection to a variety of Cat Attachments.
- **Cat Attachments** – A variety of Mechanical and Hydraulic Cat Backhoe Couplers are available from the factory or for field installation. Options include, but not limited to, Dual Lock Pin Grabber Couplers and Pin Lock Couplers. Redesigned General Purpose and Multi Purpose Loader Buckets increase digging performance and improve bucket durability for long term value.

Specifications

Engine

Engine Model	C4.4 ACERT 87 kW (116 hp) Electronic – Turbo Intercooled	
Ratings at 2,200 rpm		
Gross Power SAE J1995	88 kW	118 hp
Gross Power ISO 14396	87 kW	116 hp
Net Power Rating at 2,200 rpm		
SAE J1349	78 kW	104 hp
ISO 9249	78 kW	104 hp
Net Peak Power Rating		
SAE J1349 at 2,100 rpm	80.7 kW	108 hp
ISO 9249 at 1,800 rpm	80.7 kW	108 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	4.4 L	268 in ³
Torque Rise (Net) at 1,400 rpm	44%	
SAE J1349	487 N·m	360 lb·ft
Power Rating Conditions		
No De-Rating Required Up To	2286 m	7,500 ft

Weights

Operating Weight – Estimated*	9772 kg	21,544 lb
Operating Weight – Maximum (ROPS Capacity)	13 300 kg	29,321 lb
Counterweight	500 kg	1,102 lb
Cab, ROPS/FOPS	+243 kg	+536 lb
Loader Bucket		
1.53 m ³ (2.0 yd ³) GP (Pin-On)	+80 kg	+176 lb
1.34 m ³ (1.75 yd ³) MP HD (Pin-On)	+214 kg	+472 lb
1.34 m ³ (1.75 yd ³) MP ED (Pin-On)	+290 kg	+639 lb
1.34 m ³ (1.75 yd ³) GP (Hook-On)	–150 kg	–331 lb
1.53 m ³ (2.0 yd ³) GP (Hook-On)	–73 kg	–162 lb
1.34 m ³ (1.75 yd ³) MP HD (Hook-On)	+85 kg	+187 lb
1.34 m ³ (1.75 yd ³) MP ED (Hook-On)	+160 kg	+353 lb
Loader Quick Coupler	+250 kg	+551 lb
Backhoe Quick Coupler	+87 kg	+192 lb
Extendible Stick	+301 kg	+664 lb

*Machine equipped with 340/80-18 front and 500/70-24 rear, AWD, OROPS, 1.34 m³ (1.75 yd³) general purpose bucket with bolt-on cutting edge, standard stick, 610 mm (24") severe-duty backhoe bucket.

GP = General Purpose

MP = Multi Purpose

HD = Heavy Duty

ED = Extreme Duty



440 Backhoe Loader

Transmission

Autoshift Transmission

Forward – 1st	5.9 km/h	3.7 mph
2nd	9.5 km/h	5.9 mph
3rd	12.4 km/h	7.7 mph
4th	19.6 km/h	12.2 mph
5th	26.8 km/h	16.7 mph
6th	39.2 km/h	24.4 mph
Reverse – 1st	5.9 km/h	3.7 mph
2nd	12.4 km/h	7.7 mph
3rd	26.8 km/h	16.7 mph

- Travel speeds of backhoe loader in two wheel drive at full throttle, when equipped with 500/70-24 rear tires.

Axle Ratings

Front Axle, AWD

Static	22 936 kg	50,565 lb
Dynamic	9174 kg	20,225 lb

Rear Axle

Static	22 936 kg	50,565 lb
Dynamic	9174 kg	20,225 lb

Hydraulic System

Type	Closed Center	
Pump Type	Variable Flow, Axial Piston	
Pump Capacity @ 2,200 rpm	220 L/min	58.1 gal/min
System Pressure		
Backhoe	26 200 kPa	3,800 psi
Loader	26 200 kPa	3,800 psi

Steering

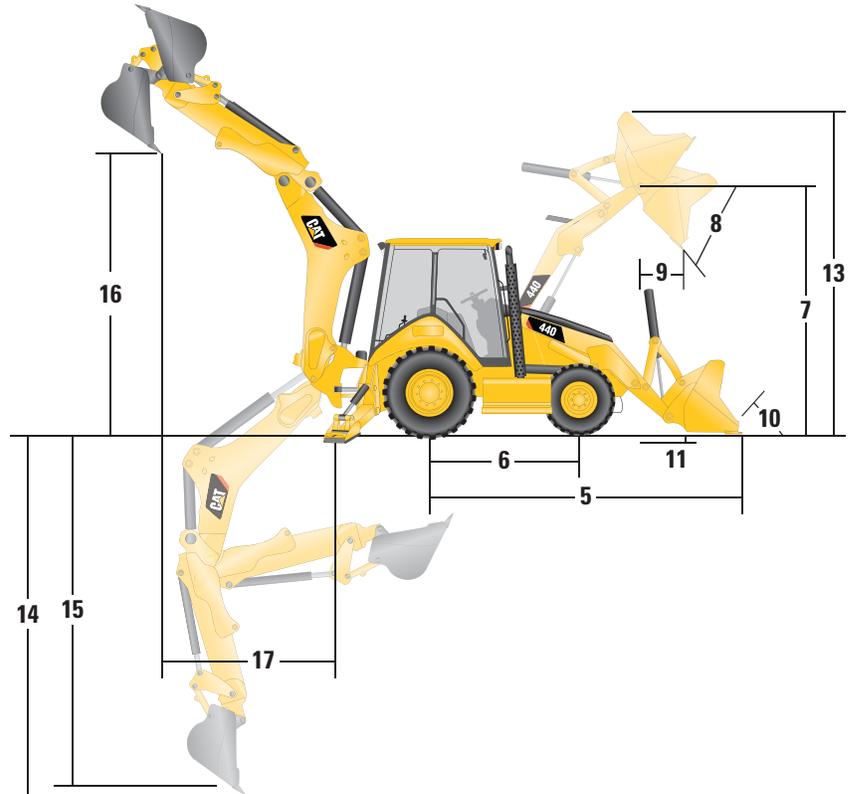
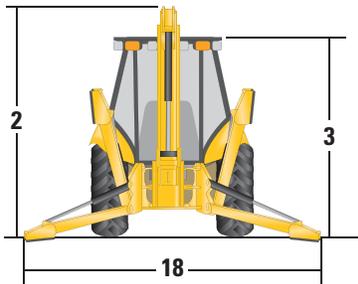
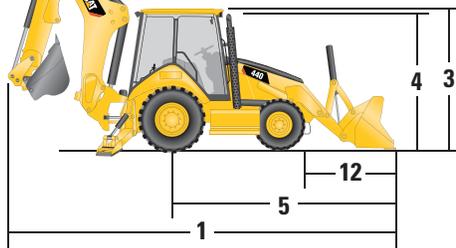
Type	Front Wheel	
Power Steering	Hydrostatic HMMU	
Bore	85 mm	3.35 in
Stroke	236 mm	9.29 in
Rod Diameter	42 mm	1.65 in
Axle Oscillation	11°	
Turning Circle – AWD (inner wheel not braked)		
Outside Front Wheels	8.33 m	27'4"
Outside Widest Loader Bucket	11.5 m	37'9"

- AWD cylinder, one (1) double-acting.

Service Refill Capacities

Cooling System with Cab Heater	22.5 L	6.0 gal
Fuel Tank	160.0 L	42.3 gal
Engine Oil with Filter	8.8 L	2.3 gal
Diesel Exhaust Fluid (DEF)	19.0 L	5.0 gal
Transmission (Autoshift) – AWD, Autoshift	18.0 L	4.8 gal
Rear Axle (Center Housing)	16.5 L	4.4 gal
Front Axle (Center Housing)	11.0 L	2.9 gal
Planetaries	0.7 L	0.2 gal
Hydraulic System (Minimum)	120.0 L	31.7 gal
Hydraulic Tank (Nominal)	54.0 L	14.3 gal

Single Tilt Loader



Machine Dimensions

Single Tilt Loader

Bucket	GP (Pin-On)		GP (Pin-On)		MP HD (Pin-On)		MP ED (Pin-On)	
	(1.34 m ³ /1.75 yd ³)		(1.53 m ³ /2.0 yd ³)		(1.34 m ³ /1.75 yd ³)		(1.34 m ³ /1.75 yd ³)	
1 Overall Length (loader on ground) – Standard Stick	7867 mm	25'10"	7957 mm	26'1"	7908 mm	25'11"	7880 mm	25'10"
Overall Length (loader on ground) – Extendible Stick	7873 mm	25'10"	7963 mm	26'2"	7914 mm	26'0"	7885 mm	25'10"
Overall Transport Length – Standard Stick	7822 mm	25'8"	7888 mm	25'11"	7870 mm	25'10"	7849 mm	25'9"
Overall Transport Length – Extendible Stick	7827 mm	25'8"	7894 mm	25'11"	7876 mm	25'10"	7854 mm	25'9"
2 Overall Transport Height – Standard Stick	4052 mm	13'4"	4052 mm	13'4"	4052 mm	13'4"	4052 mm	13'4"
Overall Transport Height – Extendible Stick	4061 mm	13'4"	4061 mm	13'4"	4061 mm	13'4"	4061 mm	13'4"
Overall Width	2415 mm	7'11"	2415 mm	7'11"	2415 mm	7'11"	2415 mm	7'11"
3 Height to Top of Cab/Canopy	2769 mm	9'1"	2769 mm	9'1"	2769 mm	9'1"	2769 mm	9'1"
4 Height to Top of Exhaust Stack	2745 mm	9'0"	2745 mm	9'0"	2745 mm	9'0"	2745 mm	9'0"
Height to Loader Hinge Pin (transport)	395 mm	1'4"	399 mm	1'4"	447 mm	1'6"	447 mm	1'6"
Ground Clearance (LH step)	316 mm	1'0"	316 mm	1'0"	316 mm	1'0"	316 mm	1'0"
Ground Clearance (AWD guard)	312 mm	1'0"	312 mm	1'0"	312 mm	1'0"	312 mm	1'0"
Ground Clearance (counterweight)	378 mm	1'3"	378 mm	1'3"	378 mm	1'3"	378 mm	1'3"
5 Rear Axle Centerline to Front Grill	2819 mm	9'3"	2819 mm	9'3"	2819 mm	9'3"	2819 mm	9'3"
Front Wheel Tread Gauge (track width)	2016 mm	6'7"	2016 mm	6'7"	2016 mm	6'7"	2016 mm	6'7"
Rear Wheel Tread Gauge (track width)	1814 mm	5'11"	1814 mm	5'11"	1814 mm	5'11"	1814 mm	5'11"
6 Wheelbase AWD	2215 mm	7'3"	2215 mm	7'3"	2215 mm	7'3"	2215 mm	7'3"

Loader Bucket Dimensions and Performance

Single Tilt Loader

Bucket	GP (Pin-On)		GP (Pin-On)		MP HD (Pin-On)		MP ED (Pin-On)	
	(1.34 m ³ /1.75 yd ³)		(1.53 m ³ /2.0 yd ³)		(1.34 m ³ /1.75 yd ³)		(1.34 m ³ /1.75 yd ³)	
Capacity (SAE rated)	1.34 m ³	1.75 yd ³	1.53 m ³	2.00 yd ³	1.34 m ³	1.75 yd ³	1.34 m ³	1.75 yd ³
Width	2450 mm	8'0"	2450 mm	8'0"	2450 mm	8'0"	2450 mm	8'0"
Lift Capacity at Maximum Height	3983 kg	8,782 lb	3936 kg	8,677 lb	3746 kg	8,259 lb	3706 kg	8,171 lb
Lift Breakout Force	52 587 N	11,822 lbf	50 458 N	11,343 lbf	50 171 N	11,278 lbf	49 979 N	11,235 lbf
Tilt Breakout Force	60 321 N	13,560 lbf	54 653 N	12,286 lbf	57 423 N	12,909 lbf	58 426 N	13,134 lbf
Tipping Load at Breakout Point	6424 kg	14,162 lb	6114 kg	13,479 lb	6144 kg	13,546 lb	6161 kg	13,582 lb
7 Maximum Hinge Pin Height	3628 mm	11'11"	3628 mm	11'11"	3628 mm	11'11"	3628 mm	11'11"
8 Dump Angle at Full Height	44°		44°		44°		44°	
Dump Height at Maximum Angle	2711 mm	8'11"	2649 mm	8'8"	2680 mm	8'10"	2701 mm	8'10"
9 Dump Reach at Maximum Angle	923 mm	3'0"	990 mm	3'3"	941 mm	3'1"	926 mm	3'0"
10 Maximum Bucket Rollback at Ground Level	42°		42°		43°		43°	
11 Digging Depth	159 mm	6"	158 mm	6"	169 mm	7"	164 mm	6"
Maximum Grading Angle	107°		105°		106°		107°	
Width of Dozer Cutting Edge	N/A		N/A		2438 mm	8'0"	2438 mm	8'0"
12 Grill to Bucket Cutting Edge, Carry Position	1785 mm	5'10"	1854 mm	6'1"	1833 mm	6'0"	1811 mm	5'11"
13 Maximum Operating Height	4732 mm	15'6"	4834 mm	15'10"	4736 mm	15'6"	4736 mm	15'6"
Jaw Opening Maximum	N/A		N/A		1019 mm	3'4"	1019 mm	3'4"
Bucket Jaw Clamping Force	N/A		N/A		36 635 N	8,236 lbf	36 635 N	8,236 lbf
Weight (does not include teeth or forks)	1010 kg	2,227 lb	1090 kg	2,403 lb	1224 kg	2,698 lb	1300 kg	2,866 lb

Backhoe Dimensions and Performance

	Standard Stick		E-Stick Retracted		E-Stick Extended	
14 Digging Depth, SAE (maximum)	4718 mm	15'6"	4717 mm	15'6"	5859 mm	19'3"
15 Digging Depth, 2440 mm (8'0") Flat Bottom	4374 mm	14'4"	4372 mm	14'4"	5585 mm	18'4"
Digging Depth, 610 mm (2'0") Flat Bottom	4691 mm	15'5"	4690 mm	15'5"	5832 mm	19'2"
Reach from Rear Axle Centerline at Ground Line	7462 mm	24'6"	7460 mm	24'6"	8555 mm	28'1"
16 Reach from Swing Pivot at Ground Line	6210 mm	20'5"	6209 mm	20'4"	7304 mm	24'0"
Overall Operating Height	6229 mm	20'5"	6229 mm	20'5"	7069 mm	23'2"
Loading Height	4275 mm	14'0"	4113 mm	13'6"	4705 mm	15'5"
17 Loading Reach	2119 mm	6'11"	2238 mm	7'4"	3227 mm	10'7"
Swing Arc	175°		175°		175°	
Bucket Rotation	205°		201°		201°	
18 Stabilizer Spread, Operating Position (outside edge of pad)	4224 mm	13'10"	4224 mm	13'10"	4224 mm	13'10"
Stabilizer Spread, Transport Position	2245 mm	7'4"	2245 mm	7'4"	2245 mm	7'4"
Bucket Dig Force	75 129 N	16,890 lbf	74 628 N	16,777 lbf	74 628 N	16,777 lbf
Stick Dig Force	45 370 N	10,199 lbf	46 093 N	10,362 lbf	34 256 N	7,701 lbf

440 Backhoe Loader

STANDARD EQUIPMENT

- 4572 mm (15 ft) center pivot excavator style backhoe
- Adjustable auxiliary flow controls, loader and backhoe
- Air cleaner
- Alarm, back-up
- Alternator, 150 amp
- Audible system fault alarm
- Automatic Engine Speed Control (AESC)
- Autoshift transmission with six (6) forward and three (3) reverse gears and neutral safety switch
- Backhoe Safety Manual
- Battery Box, external, lockable
- Battery disconnect switch
- Battery, maintenance-free, 1,000 CCA
- Boom transport lock
- Brace, lift cylinder
- Brake, SAHR secondary parking
- Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
- Canopy, ROPS/FOPS
- Cat cushion swing system
- CD-ROM Parts Manual
- Coat restraint
- Coolant/antifreeze, extended life
- Counterweight, bumper, 500 kg (1,102 lb)
- Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
- Differential lock, loader joystick
- Dome light (cab only)
- Engine enclosure, sound suppression removal panels
- Engine, Cat C4.4 ACERT (Direct Injection Turbocharged), meets Tier 4 Final/Stage IV emission standards, selective catalyst reduction, diesel oxidation catalyst (DOC)
- Face seals, O-ring
- Fan, suction and guard
- Fast reversing shuttle, all gears
- Fenders, rear
- Filters, bowl and cartridge: fuel, hydraulic fluid
- Filters, spin-on: engine oil, transmission oil, water separator
- Flashing hazards/signal lights
- Floor mat
- Four Wheel Drive/Brake Mode Selector
- Fuel tank, fully enclosed
- Fully hinged front grill for cooling package cleaning access
- Ground level fuel fill and DEF fill
- High ambient cooling package
- Hood lock, inside cab
- Hydraulic hose, XT™
- Hydraulic oil cooler
- Hydraulic oil level sight gauge
- Hydraulic valves, backhoe six (6) function
- Hydraulic valves, loader three (3) function
- Hydraulics, load sensing with variable displacement piston pump and flow sharing valve
- Indicator lights: hydraulic implement lockout, hydraulic filter bypass, water in fuel, operator presence, remote dial throttle active, air filter blocked, engine warning, machine locked (if equipped), warning lamp, emissions module malfunction, low battery/charging system warning, high hydraulic oil temperature; LCD warnings: engine oil pressure, service due, high coolant temperature, auto idle shutdown, high torque converter temperature
- Instrument panel lights
- Joystick controls: electrohydraulic controls with pattern changer valve
- Key start/stop system
- LCD operator screen
- Lights, working (four [4] front, four [4] rear)
- Loader joystick, self-leveling, return-to-dig, transmission disconnect switch, Forward/Neutral/Reverse Switch, MP Auxiliary roller
- Loader, single tilt
- Machine Security System integrated into LCD operator display
- Mirror, rearview
- One-touch low idle
- Open circuit breather
- Operations and Maintenance Manual
- Pattern changer, in cab
- Power receptacle, 12 volt, one (1) internal + one (1) USB, two (2) external
- Product Link™
- Radio ready (Cab)
- Rubber impact strips on radiator guards
- Seat belt, retractable, 51 mm (2 in)
- Seat mounted controls
- Seat, air suspension with armrest
- Stabilizer pads, reversible
- Stabilizers, electrohydraulic, auto-up function
- Starting system, glow plugs
- Steering knob
- Steering, hydrostatic
- Stop and tail lights
- Storage compartment (Cab/Canopy), lockable
- Storage tray, electronics and miscellaneous items
- Swing transport lock
- Throttle, hand and foot, electronic
- Tilt steering wheel (Canopy), Tilt/telescoping (Cab)
- Tire Valve Stem Protection
- Tires
- Torque converter
- Transmission neutralizer switch
- Transport tie-downs
- Vandalism locks, four (4)
- Vandalism protection, gauge cover (Canopy)
- Warning horn, electric

OPTIONAL EQUIPMENT

- Battery, additional, 1,000 CCA
- Cab, deluxe with air conditioning
- Cold weather fuel (-30° C/-22° F)
- Cold weather package, including additional battery, engine block heater, radiator antifreeze, cold weather fuel (-30° C/-22° F) and mounting for an ether bottle
- Fenders, front with integral steps
- Guard, boom protection plate
- Guard, stabilizer, rock
- Guard, stabilizer, stab leg bottom
- Hydraulic lines, combined function auxiliary
- Hydraulic valves, loader quick coupler
- Lights, LED work lights, wide and spot
- Loader, Quick Coupler
- Quick Coupler, backhoe, hydraulic, dual lock
- Quick Coupler, backhoe, manual, dual lock
- Quick Coupler, backhoe, pin lock
- Radio and CD player, Bluetooth®
- Ride Control
- Rotating beacon, magnetic mount
- Seat belt, 75 mm (3 in)
- Seat, heated
- Stick, extendible
- Transmission, Autoshift with lock-up torque converter
- Work Tool Attachments such as buckets, forks, material handling arms, augers, hammers, brooms, cold planers and vibratory plate compactors. See your Cat dealer for more information.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEHQ8167 (10-2018)
Build Number: 07A
(North America)





Cives Corporation, dba
 Viking Cives (USA)
 14331 Mill Street
 Harrisville, NY 13648
 Phone: (315) 543-2321
 Fax: (315) 543-2366
 www.vikingcives.com

QUOTATION

Quote ID: 3

Page 1 of 1

2012 Factory/Shipper
 Catalog

Customer: Town of Coventry Ct

Quote Number: 38927

Contact: SS Fold Down side body for retub

Quote Date: 6/24/2021

Address:

Quote valid until: 7/24/2021

For: Coventry Ct

Terms: Net 30 days

Phone:

Salesperson: Chris Rose

Fax:

FOB: Your Location

Attn: Dan

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Duraclass 9' SS Fold downside dump body model SDYB-3/16 Drop, 12" side height, 18" tailgate height, 10GA 201-2B SS front/sides and tailgate, 3/16" crossmember less high tensile steel floor, Fold down sides, 1/4" SS cab guard, not installed, delivered. Option: Duraclass subframe mounted scissor hoist model 1520 less hydraulics.....ADD \$2,116.00		
Quote Total:			\$10,413.00
Discount:			\$0.00
Total Due:			\$10,413.00

The following options may be added:

QUANTITY	DESCRIPTION	PRICE EACH	AMOUNT

Customer must fill out the information below before the order can be processed...

<i>Accepted by:</i>	
<i>Date:</i>	
<i>P.O. number:</i>	

The price and terms on this quotation are not subject to verbal changes or other agreements unless approved in writing by the Home Office of the Seller. All quotations and agreements are contingent upon strikes, accidents, fires, availability of material and all other causes beyond our control. Prices are based on costs and conditions existing on date of quotation and are subject to change by the Seller before final acceptance.

- ◆ Typographical and stenographic errors subject to corrections. Purchaser agrees to accept either overage or shortage not in excess of ten percent to be charged pro-rata. Purchaser assumes liability for patent and copyright infringement when goods are made to Purchaser's specifications. When quotation specifies material to be furnished by the purchaser, ample allowance must be made for reasonable spoilage and material must be of suitable quality to facilitate efficient production.
- ◆ Conditions not specifically stated herein shall be governed by the established trade customs. Terms inconsistent with those stated herein which may appear on Purchaser's formal order will not be binding on the Seller.
- ◆ Unless otherwise stated, Installation charges do not include modifications to exhaust systems, cab protectors or bumpers.

YARDBIRD



SUPER DUTY



Durability in a Light Duty Package.

Backed by over 100 years of experience, the DuraClass Yardbird and Super Duty Yardbird are the premium Light Duty choices for contractors and municipalities who don't want to compromise on quality and durability. The Yardbird and Super Duty Yardbird feature our patented DuraClass design, with a continuous formed body sidewall and fully enclosed top rail for superior resistance to moisture and corrosion.

The double-wall body side, full depth rear corner posts and enclosed front corner posts, plus our famous interlaced understructure give Yardbirds uncommon strength and rigidity for a light duty dump body. Yardbirds come standard with quick release upper tailgate pins, ¼ cabshield with window, and fully welded construction. Choose from additional options including crossmemberless understructure, drop sides, and stainless steel construction.

The 1520 Hoist, standard on all DuraClass Yardbirds, is equipped with a powerful 5-inch chrome cylinder, heavy-duty platform hinge, and your choice of double-acting electric or direct mount hydraulics. The 1520's rugged, high-quality frame design and premium components will provide a long hoist life. Enjoy simple maintenance with greaseable fittings on all bearing points and a removeable cylinder head.

NEW FEATURES

- 1" diameter tailgate pin
- 5/16" GR43 tailgate chains
- Chain brackets are banjo eye plates
- Pipe handle

AVAILABLE OPTIONS

- Drop Sides
- Crossmemberless Understructure
- LED Marker Light Kit
- Standard LED STT Light Kit
- ½ Cabshield
- Stainless Steel

YARDBIRD SPECIFICATIONS

Inside Length	8' 1"	10'
Width	6' 8"	6' 8"
Material	10 gauge	10 gauge
Body Capacity (yards)	2 - 3	2 - 3
Side / Front / Rear Height (inches)	14 / 20 / 20	12 / 18 / 18
Weight, including hoist (lbs)	1700	2002

SUPER DUTY YARDBIRD SPECIFICATIONS

Inside Length	8' 1"	9'	9'	10'	11'	11'
Width	7'	7'	7'	7'	7'	7'
Material	10 gauge					
Body Capacity (yards)	3 - 4	2.5 - 3.5	3.5 - 4.5	3 - 4	2.5 - 3.5	3.5 - 4.5
Side / Front / Rear Height (inches)	18 / 24 / 24	14 / 20 / 20	18 / 24 / 24	14 / 20 / 20	12 / 18 / 18	14 / 20 / 20
Weight, including hoist (lbs)	1999	1831	2101	2090	2122	2182

1520 FLM HOIST CAPACITY* (TONS)

Body Length	8'	9'	10'	11'	12'
Rear Overhang	6"	6"	6"	6"	6"
Capacity*	13.5	11.6	10.3	9.3	8.4

* Capacity is based on water-level load and approximately 50° dump angle.
All bodies shown with some optional equipment. Models and options are subject to change without notice.

1520 FLM HOIST SPECIFICATIONS

- NTEA Class: 30
- Cylinder Bore: 5"
- Cylinder Stroke: 20"
- GPM (at 1000 RPM): 4
- Weight: 635 lbs (less oil & PTO)
- Mounting Height: 12 ¾"



P.O. Box 49
1425 Highway 25 North
Tishomingo, MS 38873
800.255.4345
Fax: 800.728.4345
www.duraclass.com

CONTACT YOUR DISTRIBUTOR

YARDBIRD & SUPER DUTY YARDBIRD DUMP BODIES



DuraClass Yardbird shown with available accessories.

DuraClass Super Duty Yardbird shown with available material spreader.

www.duraclass.com



The DuraClass® Line M

LIGHT DUTY

**Better than Ever in
Stainless Steel**



Yardbird & Super Duty Yardbird

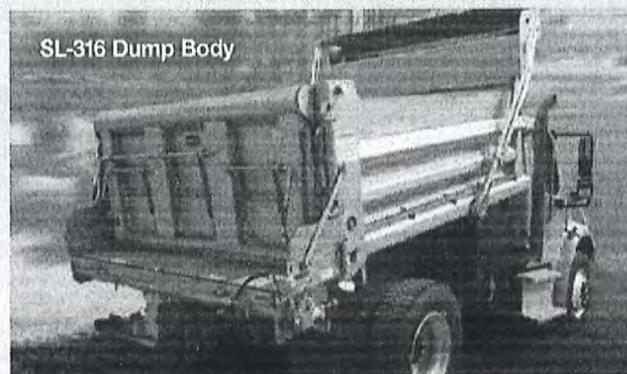
DuraClass Yardbird and Super Duty Yardbird Stainless Steel Dump Bodies are ideal for contractors and landscapers hauling equipment, soil, stone, mulch and other materials.



Super Duty Yardbird shown with available material spreader.

MEDIUM DUTY

**Stainless Steel Bodies,
Ready to Work**



SL, SL-316, HM & HH

Medium Duty Stainless Steel Dump Bodies from DuraClass feature a unique body sidewall design that includes a continuous top rail, side and running board configuration. Without an outside seam weld below the top rail, moisture and freeze problems are virtually eliminated!



HM Dump Body.



STAINLESS STEEL

Tough, Reliable, Ready to Work

Stainless steel provides superior corrosion resistance with maximum durability. Stylish, rugged, dependable, stainless steel DuraClass bodies are available for light, medium and heavy duty applications, as well as municipal snow and ice control. DuraClass stainless steel bodies are built to last and provide years of reliability and premium performance.

Capital Improvement Plan

FY 23 *thru* FY 27

Town of Coventry, Connecticut

Project # 23-PW-06
Project Name WPCA Replacement Pickup Truck

Type Equipment **Department** Public Works
Useful Life 10 years **Contact**
Category Unassigned **Priority** 3 Important



Description **Total Project Cost:** \$35,000
 Replace current F-250 after 12 years of use.

Justification
 Vehicle will be at end of life.

Expenditures	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Equip/Vehicles/Furnishings				35,000				35,000
Total				35,000				35,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Sewer Fund				35,000				35,000
Total				35,000				35,000

Budget Impact/Other

Capital Improvement Plan

FY 23 *thru* FY 27

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	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Construction/Maintenance				15,000				15,000
Total				15,000				15,000

Funding Sources	Prior	FY 23	FY 24	FY 25	FY 26	FY 27	Future	Total
Sewer Fund				15,000				15,000
Total				15,000				15,000

Budget Impact/Other

CAPITAL IMPROVEMENT PLAN

TEN-YEAR OUTLOOK

Town of Coventry, Connecticut
Capital Improvement Plan
 FY 23 thru FY 32

DEPARTMENT SUMMARY

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
CNREF		0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
Culture & Recreation		193,000	585,000	125,000	10,015,000	30,000	65,000	15,000	15,000	15,000	15,000	11,073,000
Education		5,995,000	401,000	8,005,000	552,500	342,500	245,000	245,000	245,000	45,000		16,076,000
General Administration		103,000	119,000	140,000	191,000	2,072,000	72,000	222,000	222,000	80,000	80,000	3,301,000
Human Services			60,000						70,000			130,000
Public Safety		355,000	311,500	265,500	496,000	143,000	195,500	256,000	501,500	90,000	90,000	2,704,000
Public Works		4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	9,347,300	5,302,800	2,021,500	1,470,000	1,470,000	33,678,300
GRAND TOTAL		11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	68,462,300

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 32

FUNDING SOURCE SUMMARY

Source	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Bonding	8,210,000		3,361,250	10,250,000	500,000	6,000,000	4,000,000	500,000			32,821,250
Cafeteria Fund		35,000									35,000
Capital NonRecurring Fund	63,500										63,500
Cemetery Fund	15,000	30,000									45,000
EMS Fund				325,000		50,000		350,000			725,000
General Fund	828,500	1,446,500	1,634,500	1,609,500	1,382,500	1,412,500	1,613,000	1,723,500	1,615,000	1,570,000	14,835,500
Land Acquisition Fund										270,000	270,000
Lease Purchase	95,000	303,300	455,000	341,900	244,000	251,300	258,800	266,500	270,000		2,485,800
Local Locip (Town Clerk fees)	10,000										10,000
LOCIP	100,000	100,000	100,000	100,000	55,000	80,000	50,000	70,000			655,000
Miscellaneous Highway Fund	25,000										25,000
Recreation Fund		5,000	5,000	5,000	5,000	5,000	5,000	15,000	15,000	15,000	75,000
Sewer Fund		310,000	50,000	18,000		26,000	14,000				418,000
State/Federal Grant/Loan	2,039,500	3,495,000	4,869,750	304,000	1,290,000	2,290,000	290,000	340,000			14,918,250
STEAP Grant		500,000			500,000						1,000,000
Tower Rental Income	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
GRAND TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	68,462,300

Town of Coventry, Connecticut
Capital Improvement Plan
 FY 23 thru FY 32

PROJECTS BY DEPARTMENT

Department	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
CNREF													
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
CNREF Total			0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
Culture & Recreation													
Parking Lot resurfacing	09-CR-05	5						50,000					50,000
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	205,000
Miller Richardson Improvements	09-CR-07	1	25,000	500,000									525,000
Laidlaw Park Improvements	09-CR-08	3	10,000		20,000								30,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000						60,000
Canoe/Kayak Launch	11-CR-02	3	18,000										18,000
Library Renovation	15-CR-01	2	95,000										95,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000									30,000
New Community Center	23-CR-2	2			60,000	10,000,000							10,060,000
Culture & Recreation Total			193,000	585,000	125,000	10,015,000	30,000	65,000	15,000	15,000	15,000	15,000	11,073,000
Education													
Network Upgrades	09-ED-01	1	75,000	75,000									150,000
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000		385,000
School Carpet Replacement	09-ED-14	2	10,000		30,000								40,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000								7,760,000
School Custodial Equipment	14-ED-03	3				25,000							25,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000						80,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500						101,000
CHS Lecture Hall Seating	14-ED-09	3			70,000								70,000
Kitchen Equipment Upgrades	16-ED-02	2		35,000									35,000
Window replacement	17-ED-01	3			5,000,000								5,000,000

Department	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Crack Sealing of School Parking Lots	18-ED-01	2			20,000								20,000
PSS Van Replacement	18-ED-06	2		70,000									70,000
GHR parking lot replacement	18-ED-07	n/a				250,000							250,000
AC Replacement	18-ED-09	3	50,000										50,000
GHR Exterior Work	19-ED-04	2	25,000										25,000
Fireproof File Cabinets	20-ED-04	3			50,000								50,000
Relocate High School Weight Room	20-ED-05	1			325,000								325,000
Replacement Lockers - CNH	21-ED-05	3			65,000								65,000
Asbestos Abatement CHS	21-ED-06	3			250,000								250,000
Fire Tank Inspection	23-ED-01	3					25,000						25,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	200,000	200,000	200,000			1,300,000
Education Total			5,995,000	401,000	8,005,000	552,500	342,500	245,000	245,000	245,000	45,000		16,076,000

General Administration

Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	466,000
Revaluation	09-GA-02	1		40,000	60,000	100,000			150,000	150,000			500,000
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	250,000
Meeting Room Addition	09-GA-08	3					1,000,000						1,000,000
Town Hall Renovations	09-GA-09	1				10,000							10,000
Water Tower	14-GA-02	3					1,000,000						1,000,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000							55,000
Electronic Document Management System	22-GA-03	2	20,000										20,000
General Administration Total			103,000	119,000	140,000	191,000	2,072,000	72,000	222,000	222,000	80,000	80,000	3,301,000

Human Services

Elderly Van Replacement	09-HS-01	3		60,000						70,000			130,000
Human Services Total				60,000						70,000			130,000

Public Safety

Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	57,500	115,000	57,500	57,500	57,500	733,000
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	30,000	30,000	30,000	32,500	32,500	327,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	24,000	16,000	24,000			176,000
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
Ambulance Replacement	18-PS-01	1				325,000				350,000			675,000
Service Truck Replacements	19-PS-03	2		80,000									80,000
Forestry Truck Replacement	19-PS-04	2							50,000				50,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000								150,000

Department	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Police Station Updates	19-PS-06	3	75,500			30,000							105,500
Generator Replacement - CVFA Substation	20-PS-03	2	30,000										30,000
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	25,000	30,000			187,000
Lucas device	22-PS-03	3						50,000					50,000
Special Operations Equipment	23-PS-01	3	20,000	20,000									40,000
Public Safety Total			355,000	311,500	265,500	496,000	143,000	195,500	256,000	501,500	90,000	90,000	2,704,000

Public Works

Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	251,300	258,800	266,500	270,000	270,000	2,250,800
Summer Roads	09-PW-06	1	3,600,000	700,000	850,000	900,000	950,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000	12,400,000
Large Drainage Projects	09-PW-07	3	20,000			20,000		50,000		50,000			140,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	20,000	20,000	20,000			140,000
Field Irrigation	09-PW-11	4		20,000									20,000
Small Dump Trucks	09-PW-14	2	95,000			105,000				120,000			320,000
Pick-up Trucks	09-PW-15	3	50,000			57,500				65,000			172,500
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500							45,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000								65,000
Sidewalk Extension and Repair	11-PW-03	4		15,000									15,000
Open Space Stewardship	13-PW-05	3		10,000		10,000							20,000
Tri-axle Dump Truck	13-PW-07	3			225,000								225,000
Guardrail	13-PW-08	3	25,000		20,000		10,000		10,000				65,000
Wheelloader	13-PW-10	2	210,000										210,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000							95,000
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	125,000	125,000	125,000	125,000							500,000
Relocate Transfer Station	19-PW-02	2	500,000										500,000
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			300,000								300,000
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	14,000				46,000
Power Curber	23-PW-01	2	25,000										25,000

Department	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Ballfield Infield Groomer	23-PW-02	1	25,000										25,000
Hook Hoist Lifts	23-PW-03	3		40,000									40,000
Additional Backhoe	23-PW-04	n/a		175,000									175,000
Dump Body	23-PW-05	1	12,000										12,000
WPCA Replacement Pickup Truck	23-PW-06	3			35,000								35,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000								15,000
Public Works Total			4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	9,347,300	5,302,800	2,021,500	1,470,000	1,470,000	33,678,300
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	68,462,300

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 32

PROJECTS BY FUNDING SOURCE

Source	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Bonding													
Meeting Room Addition	09-GA-08	3					500,000						500,000
Summer Roads	09-PW-06	1	3,000,000										3,000,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,000,000		900,000								5,900,000
Wheelloader	13-PW-10	2	210,000										210,000
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
Window replacement	17-ED-01	3			2,250,000								2,250,000
GHR parking lot replacement	18-ED-07	n/a				250,000							250,000
Relocate High School Weight Room	20-ED-05	1			146,250								146,250
Replacement Lockers - CNH	21-ED-05	3			65,000								65,000
New Community Center	23-CR-2	2				10,000,000							10,000,000
Bonding Total			8,210,000		3,361,250	10,250,000	500,000	6,000,000	4,000,000	500,000			32,821,250
Cafeteria Fund													
Kitchen Equipment Upgrades	16-ED-02	2		35,000									35,000
Cafeteria Fund Total				35,000									35,000
Capital NonRecurring Fund													
Mowers (fine cut)	09-PW-16	2	13,500										13,500
GHR Exterior Work	19-ED-04	2	25,000										25,000
Ballfield Infield Groomer	23-PW-02	1	25,000										25,000
Capital NonRecurring Fund Total			63,500										63,500

Source	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Cemetery Fund													
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000									45,000
Cemetery Fund Total			15,000	30,000									45,000
EMS Fund													
Ambulance Replacement	18-PS-01	1				325,000				350,000			675,000
Lucas device	22-PS-03	3						50,000					50,000
EMS Fund Total						325,000		50,000		350,000			725,000
General Fund													
Parking Lot resurfacing	09-CR-05	5						50,000					50,000
Network Upgrades	09-ED-01	1	64,000	75,000									139,000
Classroom Furniture	09-ED-11	2	25,000	20,000	20,000	45,000	45,000	45,000	45,000	45,000	45,000		335,000
School Carpet Replacement	09-ED-14	2	10,000		18,000								28,000
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	466,000
Revaluation	09-GA-02	1		40,000	60,000	100,000			150,000	150,000			500,000
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	250,000
Elderly Van Replacement	09-HS-01	3		10,000						20,000			30,000
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	57,500	115,000	57,500	57,500	57,500	733,000
Personal Protective Turn-out Gear	09-PS-04	2	25,000	25,000	27,500	27,500	27,500	30,000	30,000	30,000	32,500	32,500	287,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	24,000	16,000	24,000			176,000
Summer Roads	09-PW-06	1	300,000	300,000	560,000	610,000	660,000	710,000	710,000	710,000	1,200,000	1,200,000	6,960,000
Small Dump Trucks	09-PW-14	2								120,000			120,000
Pick-up Trucks	09-PW-15	3	50,000			57,500				65,000			172,500
Mowers (fine cut)	09-PW-16	2		15,000		16,500							31,500
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	0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
School Custodial Equipment	14-ED-03	3				11,000							11,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000						80,000
School Wood Floor Refinishing	14-ED-06	3		16,000		32,500	32,500						81,000
CHS Lecture Hall Seating	14-ED-09	3			31,500								31,500
Cemetery Expansion/Improvements	14-PW-04	3				50,000							50,000
Lake Management Projects	17-PW-01	1	90,000	125,000	125,000	125,000							465,000
Crack Sealing of School Parking Lots	18-ED-01	2			10,000								10,000
PSS Van Replacement	18-ED-06	2		70,000									70,000

Source	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Forestry Truck Replacement	19-PS-04	2							50,000				50,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000								150,000
Fireproof File Cabinets	20-ED-04	3			22,000								22,000
Asbestos Abatement CHS	21-ED-06	3			112,500								112,500
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	24,000	25,000	30,000			187,000
GIS Upgrades	22-GA-01	2		10,000	10,000	10,000							30,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000									30,000
New Community Center	23-CR-2	2			60,000								60,000
Fire Tank Inspection	23-ED-01	3					25,000						25,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	200,000	200,000	200,000			1,300,000
Special Operations Equipment	23-PS-01	3		20,000									20,000
Hook Hoist Lifts	23-PW-03	3		40,000									40,000
Additional Backhoe	23-PW-04	n/a		175,000									175,000
Dump Body	23-PW-05	1	12,000										12,000
General Fund Total			828,500	1,446,500	1,634,500	1,609,500	1,382,500	1,412,500	1,613,000	1,723,500	1,615,000	1,570,000	14,835,500

Land Acquisition Fund

Large Dump Replacement	09-PW-01	1										270,000	270,000
Land Acquisition Fund Total												270,000	270,000

Lease Purchase

Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	251,300	258,800	266,500	270,000		1,980,800
Small Dump Trucks	09-PW-14	2	95,000			105,000							200,000
Tri-axle Dump Truck	13-PW-07	3			225,000								225,000
Service Truck Replacements	19-PS-03	2		80,000									80,000
Lease Purchase Total			95,000	303,300	455,000	341,900	244,000	251,300	258,800	266,500	270,000		2,485,800

Local Locip (Town Clerk fees)

Laidlaw Park Improvements	09-CR-08	3	10,000										10,000
Local Locip (Town Clerk fees) Total			10,000										10,000

LOCIP

Patriots Park Improvements	09-CR-06	2	20,000	30,000	40,000	10,000	10,000	10,000	10,000				130,000
Laidlaw Park Improvements	09-CR-08	3			20,000								20,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000						60,000
Town Hall Renovations	09-GA-09	1				10,000							10,000

Source	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Large Drainage Projects	09-PW-07	3	20,000			20,000		50,000		50,000			140,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	20,000	20,000	20,000			140,000
Field Irrigation	09-PW-11	4		20,000									20,000
Open Space Stewardship	13-PW-05	3		10,000		10,000							20,000
Guardrail	13-PW-08	3	25,000		20,000		10,000		10,000				65,000
Police Station Updates	19-PS-06	3				30,000							30,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000						10,000				20,000
LOCIP Total			100,000	100,000	100,000	100,000	55,000	80,000	50,000	70,000			655,000

Miscellaneous Highway Fund

Power Curber	23-PW-01	2	25,000										25,000
Miscellaneous Highway Fund Total			25,000										25,000

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
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			35,000								35,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000								15,000
Sewer Fund Total				310,000	50,000	18,000		26,000	14,000				418,000

State/Federal Grant/Loan

Miller Richardson Improvements	09-CR-07	1	25,000										25,000
Network Upgrades	09-ED-01	1	11,000										11,000
Classroom Furniture	09-ED-11	2		25,000	25,000								50,000
School Carpet Replacement	09-ED-14	2			12,000								12,000
Elderly Van Replacement	09-HS-01	3		50,000						50,000			100,000
Personal Protective Turn-out Gear	09-PS-04	2	40,000										40,000
Summer Roads	09-PW-06	1	300,000	400,000	290,000	290,000	290,000	290,000	290,000	290,000			2,440,000
Urban Forestry Stewardship	09-PW-19	3	35,000										35,000
Canoe/Kayak Launch	11-CR-02	3	18,000										18,000

Source	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	760,000		1,100,000								1,860,000
School Custodial Equipment	14-ED-03	3				14,000							14,000
School Wood Floor Refinishing	14-ED-06	3		20,000									20,000
CHS Lecture Hall Seating	14-ED-09	3			38,500								38,500
Water Tower	14-GA-02	3					1,000,000						1,000,000
WPCA Plant Modifications or Windham Connection	14-PW-08	5						2,000,000					2,000,000
Library Renovation	15-CR-01	2	95,000										95,000
Window replacement	17-ED-01	3			2,750,000								2,750,000
Lake Management Projects	17-PW-01	1	35,000										35,000
Crack Sealing of School Parking Lots	18-ED-01	2			10,000								10,000
AC Replacement	18-ED-09	3	50,000										50,000
Police Station Updates	19-PS-06	3	75,500										75,500
Relocate Transfer Station	19-PW-02	2	500,000										500,000
Fireproof File Cabinets	20-ED-04	3			28,000								28,000
Relocate High School Weight Room	20-ED-05	1			178,750								178,750
Generator Replacement - CVFA Substation	20-PS-03	2	30,000										30,000
Asbestos Abatement CHS	21-ED-06	3			137,500								137,500
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000								300,000
Daly Road Safety Improvements	21-PW-09	2		3,000,000									3,000,000
GIS Upgrades	22-GA-01	2	25,000										25,000
Electronic Document Management System	22-GA-03	2	20,000										20,000
Special Operations Equipment	23-PS-01	3	20,000										20,000
State/Federal Grant/Loan Total			2,039,500	3,495,000	4,869,750	304,000	1,290,000	2,290,000	290,000	340,000			14,918,250
STEAP Grant													
Miller Richardson Improvements	09-CR-07	1		500,000									500,000
Meeting Room Addition	09-GA-08	3					500,000						500,000
STEAP Grant Total				500,000			500,000						1,000,000
Tower Rental Income													
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
Tower Rental Income Total			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000

Source	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	<i>68,462,300</i>

Town of Coventry, Connecticut
Capital Improvement Plan

FY 23 thru FY 32

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
CNREF												
CNREF FUND	12-GA-01	0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
	CNREF Total	0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
<i>General Fund</i>		0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
	CNREF Total	0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
Culture & Recreation												
Parking Lot resurfacing	09-CR-05						50,000					50,000
Patriots Park Improvements	09-CR-06	20,000	35,000	45,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	205,000
Miller Richardson Improvements	09-CR-07	25,000	500,000									525,000
Laidlaw Park Improvements	09-CR-08	10,000		20,000								30,000
Creaser Park	09-CR-11	25,000	20,000			15,000						60,000
Canoe/Kayak Launch	11-CR-02	18,000										18,000
Library Renovation	15-CR-01	95,000										95,000
Furnishing replacement and additional shelving	23-CR-01		30,000									30,000
New Community Center	23-CR-2			60,000	10,000,000							10,060,000
	Culture & Recreation Total	193,000	585,000	125,000	10,015,000	30,000	65,000	15,000	15,000	15,000	15,000	11,073,000
<i>Bonding</i>					10,000,000							10,000,000
<i>General Fund</i>			30,000	60,000			50,000					140,000
<i>Local Locip (Town Clerk fees)</i>		10,000										10,000
LOCIP		45,000	50,000	60,000	10,000	25,000	10,000	10,000				210,000
<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>		138,000										138,000

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
<i>STEAP Grant</i>			500,000									500,000
Culture & Recreation Total		193,000	585,000	125,000	10,015,000	30,000	65,000	15,000	15,000	15,000	15,000	11,073,000
Education												
Network Upgrades	09-ED-01	75,000	75,000									150,000
Classroom Furniture	09-ED-11	25,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000		385,000
School Carpet Replacement	09-ED-14	10,000		30,000								40,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	5,760,000		2,000,000								7,760,000
School Custodial Equipment	14-ED-03				25,000							25,000
School Maintenance Vehicles	14-ED-05		40,000			40,000						80,000
School Wood Floor Refinishing	14-ED-06		36,000		32,500	32,500						101,000
CHS Lecture Hall Seating	14-ED-09			70,000								70,000
Kitchen Equipment Upgrades	16-ED-02		35,000									35,000
Window replacement	17-ED-01			5,000,000								5,000,000
Crack Sealing of School Parking Lots	18-ED-01			20,000								20,000
PSS Van Replacement	18-ED-06		70,000									70,000
GHR parking lot replacement	18-ED-07				250,000							250,000
AC Replacement	18-ED-09	50,000										50,000
GHR Exterior Work	19-ED-04	25,000										25,000
Fireproof File Cabinets	20-ED-04			50,000								50,000
Relocate High School Weight Room	20-ED-05			325,000								325,000
Replacement Lockers - CNH	21-ED-05			65,000								65,000
Asbestos Abatement CHS	21-ED-06			250,000								250,000
Fire Tank Inspection	23-ED-01					25,000						25,000
Classroom technology	23-ED-02	50,000	100,000	150,000	200,000	200,000	200,000	200,000	200,000			1,300,000
Education Total		5,995,000	401,000	8,005,000	552,500	342,500	245,000	245,000	245,000	45,000		16,076,000
<i>Bonding</i>		5,000,000		3,361,250	250,000							8,611,250
<i>Cafeteria Fund</i>			35,000									35,000
<i>Capital NonRecurring Fund</i>		25,000										25,000
<i>General Fund</i>		149,000	321,000	364,000	288,500	342,500	245,000	245,000	245,000	45,000		2,245,000
<i>State/Federal Grant/Loan</i>		821,000	45,000	4,279,750	14,000							5,159,750
Education Total		5,995,000	401,000	8,005,000	552,500	342,500	245,000	245,000	245,000	45,000		16,076,000

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total	
General Administration													
Information Technology	09-GA-01	43,000	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	466,000	
Revaluation	09-GA-02		40,000	60,000	100,000			150,000	150,000			500,000	
Open Space Acquisition	09-GA-05	15,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	250,000	
Meeting Room Addition	09-GA-08					1,000,000						1,000,000	
Town Hall Renovations	09-GA-09				10,000							10,000	
Water Tower	14-GA-02					1,000,000						1,000,000	
GIS Upgrades	22-GA-01	25,000	10,000	10,000	10,000							55,000	
Electronic Document Management System	22-GA-03	20,000										20,000	
General Administration Total		103,000	119,000	140,000	191,000	2,072,000	72,000	222,000	222,000	80,000	80,000	3,301,000	
Bonding													
						500,000						500,000	
General Fund		58,000	119,000	140,000	181,000	72,000	72,000	222,000	222,000	80,000	80,000	1,246,000	
LOCIP						10,000						10,000	
State/Federal Grant/Loan		45,000					1,000,000						1,045,000
STEAP Grant						500,000						500,000	
General Administration Total		103,000	119,000	140,000	191,000	2,072,000	72,000	222,000	222,000	80,000	80,000	3,301,000	
Human Services													
Elderly Van Replacement	09-HS-01		60,000						70,000			130,000	
Human Services Total			60,000						70,000			130,000	
General Fund													
			10,000							20,000			30,000
State/Federal Grant/Loan			50,000							50,000			100,000
Human Services Total			60,000							70,000			130,000
Public Safety													
Police Vehicle Replacements	09-PS-01	100,500	57,500	115,000	57,500	57,500	57,500	115,000	57,500	57,500	57,500	733,000	
Personal Protective Turn-out Gear	09-PS-04	65,000	25,000	27,500	27,500	27,500	30,000	30,000	30,000	32,500	32,500	327,500	
Self Contained Breathing Apparatus	09-PS-05	24,000	24,000	16,000	24,000	24,000	24,000	16,000	24,000			176,000	

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Radio Replacement/Enhancement	09-PS-08	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
Ambulance Replacement	18-PS-01				325,000				350,000			675,000
Service Truck Replacements	19-PS-03		80,000									80,000
Forestry Truck Replacement	19-PS-04							50,000				50,000
Engine Tanker Refurbishment	19-PS-05		75,000	75,000								150,000
Police Station Updates	19-PS-06	75,500			30,000							105,500
Generator Replacement - CVFA Substation	20-PS-03	30,000										30,000
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	25,000	30,000			187,000
Lucas device	22-PS-03						50,000					50,000
Special Operations Equipment	23-PS-01	20,000	20,000									40,000
Public Safety Total		355,000	311,500	265,500	496,000	143,000	195,500	256,000	501,500	90,000	90,000	2,704,000

EMS Fund					325,000		50,000		350,000			725,000
General Fund		169,500	221,500	255,500	131,000	133,000	135,500	236,000	141,500	90,000	90,000	1,603,500
Lease Purchase			80,000									80,000
LOCIP		10,000			30,000			10,000				50,000
State/Federal Grant/Loan		165,500										165,500
Tower Rental Income		10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
Public Safety Total		355,000	311,500	265,500	496,000	143,000	195,500	256,000	501,500	90,000	90,000	2,704,000

Public Works

Large Dump Replacement	09-PW-01		223,300	230,000	236,900	244,000	251,300	258,800	266,500	270,000	270,000	2,250,800
Summer Roads	09-PW-06	3,600,000	700,000	850,000	900,000	950,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000	12,400,000
Large Drainage Projects	09-PW-07	20,000			20,000		50,000		50,000			140,000
Small Bridge and Culverts	09-PW-09		20,000	20,000	20,000	20,000	20,000	20,000	20,000			140,000
Field Irrigation	09-PW-11		20,000									20,000
Small Dump Trucks	09-PW-14	95,000			105,000				120,000			320,000
Pick-up Trucks	09-PW-15	50,000			57,500				65,000			172,500
Mowers (fine cut)	09-PW-16	13,500	15,000		16,500							45,000
Urban Forestry Stewardship	09-PW-19	35,000		30,000								65,000
Sidewalk Extension and Repair	11-PW-03		15,000									15,000
Open Space Stewardship	13-PW-05		10,000		10,000							20,000
Tri-axle Dump Truck	13-PW-07			225,000								225,000

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Guardrail	13-PW-08	25,000		20,000		10,000		10,000				65,000
Wheelloader	13-PW-10	210,000										210,000
Cemetery Expansion/Improvements	14-PW-04	15,000	30,000		50,000							95,000
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	125,000	125,000	125,000	125,000							500,000
Relocate Transfer Station	19-PW-02	500,000										500,000
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			300,000								300,000
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
Power Curber	23-PW-01	25,000										25,000
Ballfield Infield Groomer	23-PW-02	25,000										25,000
Hook Hoist Lifts	23-PW-03		40,000									40,000
Additional Backhoe	23-PW-04		175,000									175,000
Dump Body	23-PW-05	12,000										12,000
WPCA Replacement Pickup Truck	23-PW-06			35,000								35,000
Avery Shores Pump Station Site Improvements	23-PW-07			15,000								15,000
Public Works Total		4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	9,347,300	5,302,800	2,021,500	1,470,000	1,470,000	33,678,300
Bonding		3,210,000					6,000,000	4,000,000	500,000			13,710,000
Capital NonRecurring Fund		38,500										38,500
Cemetery Fund		15,000	30,000									45,000
General Fund		452,000	670,000	715,000	859,000	660,000	710,000	710,000	895,000	1,200,000	1,200,000	8,071,000
Land Acquisition Fund											270,000	270,000
Lease Purchase		95,000	223,300	455,000	341,900	244,000	251,300	258,800	266,500	270,000		2,405,800
LOCIP		45,000	50,000	40,000	50,000	30,000	70,000	30,000	70,000			385,000
Miscellaneous Highway Fund		25,000										25,000
Sewer Fund			310,000	50,000	18,000		26,000	14,000				418,000
State/Federal Grant/Loan		870,000	3,400,000	590,000	290,000	290,000	2,290,000	290,000	290,000			8,310,000

Department	Project #	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
	<i>Public Works Total</i>	4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	9,347,300	5,302,800	2,021,500	1,470,000	1,470,000	<i>33,678,300</i>
	Grand Total	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	<i>68,462,300</i>

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 32

CATEGORY SUMMARY

Category	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Buildings	205,500	36,000	5,415,000	10,072,500	57,500						15,786,500
Buildings - Additions					1,000,000						1,000,000
Buildings - Asbestos			250,000								250,000
Buildings - HVAC & Electrical	5,810,000		2,000,000								7,810,000
Equipment	129,000	124,000	200,500	98,500	75,500	140,000	71,000	84,000	32,500	32,500	987,500
Equipment - Computers/software	168,000	219,000	195,000	246,000	247,000	247,000	247,000	247,000	50,000	50,000	1,916,000
Equipment - Communication	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
Equipment - Ground Maintenance	38,500	15,000		16,500							70,000
Equipment - Highway Equip	37,000		225,000								262,000
Equipment - Office	45,000	75,000	95,000	45,000	45,000	45,000	45,000	45,000	45,000		485,000
Equipment-generators	30,000										30,000
Improvements - Not Building	500,000	10,000		10,000							520,000
Infrastructure	35,000	75,000	420,000	150,000	185,000	200,000	220,000	200,000	200,000	200,000	1,885,000
Infrastructure - Asphalt Roadway			20,000								20,000
Infrastructure - Culverts major		20,000	20,000	20,000	20,000	20,000	20,000	20,000			140,000
Infrastructure - Surface Treated				250,000							250,000
Land	15,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	250,000
Land - Grounds Improvements	50,000	50,000	45,000	50,000							195,000
Land - Paved Improvements		15,000				50,000					65,000
Park Improvements	78,000	520,000	20,000		15,000						633,000
Park: Patriots	20,000	35,000	45,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	205,000
Storm Sewer/Drainage	20,000			20,000		50,000		50,000			140,000
Street Reconstruction		3,000,000									3,000,000
Street: Summer Roads	3,600,000	700,000	850,000	900,000	950,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000	12,400,000
Unassigned	25,000	50,000	105,000	110,000			150,000	150,000			590,000

Category	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Vehicles - Cars & Light Trucks	50,000	170,000		57,500	40,000		50,000	135,000			502,500
Vehicles - Construction	305,000	438,300	230,000	341,900	244,000	251,300	258,800	386,500	270,000	270,000	2,995,800
Vehicles - EMS		80,000									80,000
Vehicles - Fire Trucks		75,000	75,000	325,000				350,000			825,000
Vehicles - police	100,500	57,500	115,000	57,500	57,500	57,500	115,000	57,500	57,500	57,500	733,000
Wastewater		310,000		18,000		8,014,000	4,014,000	500,000			12,856,000
Water	125,000	125,000	125,000	125,000	1,000,000						1,500,000
TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	68,462,300

Town of Coventry, Connecticut
Capital Improvement Plan
 FY 23 thru FY 32

PROJECTS BY CATEGORY

Category	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Buildings													
School Carpet Replacement	09-ED-14	2	10,000		30,000								40,000
Town Hall Renovations	09-GA-09	1				10,000							10,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500						101,000
Library Renovation	15-CR-01	2	95,000										95,000
Window replacement	17-ED-01	3			5,000,000								5,000,000
GHR Exterior Work	19-ED-04	2	25,000										25,000
Police Station Updates	19-PS-06	3	75,500				30,000						105,500
Relocate High School Weight Room	20-ED-05	1			325,000								325,000
New Community Center	23-CR-2	2			60,000	10,000,000							10,060,000
Fire Tank Inspection	23-ED-01	3					25,000						25,000
Buildings Total			205,500	36,000	5,415,000	10,072,500	57,500						15,786,500
Buildings - Additions													
Meeting Room Addition	09-GA-08	3					1,000,000						1,000,000
Buildings - Additions Total							1,000,000						1,000,000
Buildings - Asbestos													
Asbestos Abatement CHS	21-ED-06	3			250,000								250,000
Buildings - Asbestos Total					250,000								250,000
Buildings - HVAC & Electrical													
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000								7,760,000
AC Replacement	18-ED-09	3	50,000										50,000
Buildings - HVAC & Electrical Total			5,810,000		2,000,000								7,810,000

Category	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Equipment													
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	30,000	30,000	30,000	32,500	32,500	327,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	24,000	16,000	24,000			176,000
School Custodial Equipment	14-ED-03	3				25,000							25,000
CHS Lecture Hall Seating	14-ED-09	3			70,000								70,000
Kitchen Equipment Upgrades	16-ED-02	2		35,000									35,000
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	25,000	30,000			187,000
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	20,000	20,000									40,000
Equipment Total			129,000	124,000	200,500	98,500	75,500	140,000	71,000	84,000	32,500	32,500	987,500
Equipment - Computers/software													
Network Upgrades	09-ED-01	1	75,000	75,000									150,000
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	47,000	47,000	47,000	50,000	50,000	466,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	200,000	200,000	200,000			1,300,000
Equipment - Computers/software Total			168,000	219,000	195,000	246,000	247,000	247,000	247,000	247,000	50,000	50,000	1,916,000
Equipment - Communication													
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			80,000
Equipment - Communication Total			10,000			80,000							
Equipment - Ground Maintenance													
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500							45,000
Ballfield Infield Groomer	23-PW-02	1	25,000										25,000
Equipment - Ground Maintenance Total			38,500	15,000		16,500							70,000
Equipment - Highway Equip													
Tri-axle Dump Truck	13-PW-07	3			225,000								225,000
Power Curber	23-PW-01	2	25,000										25,000
Dump Body	23-PW-05	1	12,000										12,000
Equipment - Highway Equip Total			37,000		225,000								262,000

Category	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Equipment - Office													
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000		385,000
Fireproof File Cabinets	20-ED-04	3			50,000								50,000
Electronic Document Management System	22-GA-03	2	20,000										20,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000									30,000
Equipment - Office Total			45,000	75,000	95,000	45,000	45,000	45,000	45,000	45,000	45,000		485,000
Equipment-generators													
Generator Replacement - CVFA Substation	20-PS-03	2	30,000										30,000
Equipment-generators Total			30,000										30,000
Improvements - Not Building													
Open Space Stewardship	13-PW-05	3		10,000		10,000							20,000
Relocate Transfer Station	19-PW-02	2	500,000										500,000
Improvements - Not Building Total			500,000	10,000		10,000							520,000
Infrastructure													
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	200,000	200,000	200,000	200,000	200,000	1,500,000
Guardrail	13-PW-08	3	25,000		20,000		10,000		10,000				65,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000						10,000				20,000
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000								300,000
Infrastructure Total			35,000	75,000	420,000	150,000	185,000	200,000	220,000	200,000	200,000	200,000	1,885,000
Infrastructure - Asphalt Roadway													
Crack Sealing of School Parking Lots	18-ED-01	2			20,000								20,000
Infrastructure - Asphalt Roadway Total					20,000								20,000
Infrastructure - Culverts major													
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	20,000	20,000	20,000			140,000
Infrastructure - Culverts major Total				20,000	20,000	20,000	20,000	20,000	20,000	20,000			140,000
Infrastructure - Surface Treated													
GHR parking lot replacement	18-ED-07	n/a				250,000							250,000

Category	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Infrastructure - Surface Treated Total													250,000
Land													
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	250,000
Land Total			15,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000	250,000
Land - Grounds Improvements													
Field Irrigation	09-PW-11	4		20,000									20,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000								65,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000							95,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000								15,000
Land - Grounds Improvements Total			50,000	50,000	45,000	50,000							195,000
Land - Paved Improvements													
Parking Lot resurfacing	09-CR-05	5						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	25,000	500,000									525,000
Laidlaw Park Improvements	09-CR-08	3	10,000		20,000								30,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000						60,000
Canoe/Kayak Launch	11-CR-02	3	18,000										18,000
Park Improvements Total			78,000	520,000	20,000		15,000						633,000
Park: Patriots													
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	205,000
Park: Patriots Total			20,000	35,000	45,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	205,000
Storm Sewer/Drainage													
Large Drainage Projects	09-PW-07	3	20,000			20,000		50,000		50,000			140,000
Storm Sewer/Drainage Total			20,000			20,000		50,000		50,000			140,000

Category	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	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	3,600,000	700,000	850,000	900,000	950,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000	12,400,000
Street: Summer Roads Total			3,600,000	700,000	850,000	900,000	950,000	1,000,000	1,000,000	1,000,000	1,200,000	1,200,000	12,400,000
Unassigned													
Revaluation	09-GA-02	1		40,000	60,000	100,000			150,000	150,000			500,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000							55,000
WPCA Replacement Pickup Truck	23-PW-06	3			35,000								35,000
Unassigned Total			25,000	50,000	105,000	110,000			150,000	150,000			590,000
Vehicles - Cars & Light Trucks													
Elderly Van Replacement	09-HS-01	3		60,000						70,000			130,000
Pick-up Trucks	09-PW-15	3	50,000			57,500				65,000			172,500
School Maintenance Vehicles	14-ED-05	3		40,000			40,000						80,000
PSS Van Replacement	18-ED-06	2		70,000									70,000
Forestry Truck Replacement	19-PS-04	2							50,000				50,000
Vehicles - Cars & Light Trucks Total			50,000	170,000		57,500	40,000		50,000	135,000			502,500
Vehicles - Construction													
Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	251,300	258,800	266,500	270,000	270,000	2,250,800
Small Dump Trucks	09-PW-14	2	95,000			105,000				120,000			320,000
Wheelloader	13-PW-10	2	210,000										210,000
Hook Hoist Lifts	23-PW-03	3		40,000									40,000
Additional Backhoe	23-PW-04	n/a		175,000									175,000
Vehicles - Construction Total			305,000	438,300	230,000	341,900	244,000	251,300	258,800	386,500	270,000	270,000	2,995,800
Vehicles - EMS													
Service Truck Replacements	19-PS-03	2		80,000									80,000
Vehicles - EMS Total				80,000									80,000

Category	#	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Total
Vehicles - Fire Trucks													
Ambulance Replacement	18-PS-01	1				325,000				350,000			675,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000								150,000
Vehicles - Fire Trucks Total				75,000	75,000	325,000				350,000			825,000
Vehicles - police													
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	57,500	115,000	57,500	57,500	57,500	733,000
Vehicles - police Total			100,500	57,500	115,000	57,500	57,500	57,500	115,000	57,500	57,500	57,500	733,000
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				310,000		18,000		8,014,000	4,014,000	500,000			12,856,000
Water													
Water Tower	14-GA-02	3					1,000,000						1,000,000
Lake Management Projects	17-PW-01	1	125,000	125,000	125,000	125,000							500,000
Water Total			125,000	125,000	125,000	125,000	1,000,000						1,500,000
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	10,124,800	6,240,800	3,275,000	1,900,000	1,855,000	68,462,300

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 23 thru FY 27

PROJECTS BY YEAR & PRIORITY

Project Name	Department	Project #	Priority	Project Cost
FY 23				
Priority 1 Critical				
Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	25,000
Network Upgrades	Education	09-ED-01	1	75,000
School Energy/Electrical/Security Upgrades/ADA	Education	12-ED-07	1	5,760,000
Information Technology	General Administration	09-GA-01	1	43,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	100,500
Summer Roads	Public Works	09-PW-06	1	3,600,000
Lake Management Projects	Public Works	17-PW-01	1	125,000
Ballfield Infield Groomer	Public Works	23-PW-02	1	25,000
Dump Body	Public Works	23-PW-05	1	12,000
			Total for: Priority 1	9,765,500
Priority 2 Very Important				
CNREF FUND	CNREF	12-GA-01	2	0
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	20,000
Library Renovation	Culture & Recreation	15-CR-01	2	95,000
Classroom Furniture	Education	09-ED-11	2	25,000
School Carpet Replacement	Education	09-ED-14	2	10,000
GHR Exterior Work	Education	19-ED-04	2	25,000
Classroom technology	Education	23-ED-02	2	50,000
Open Space Acquisition	General Administration	09-GA-05	2	15,000
GIS Upgrades	General Administration	22-GA-01	2	25,000
Electronic Document Management System	General Administration	22-GA-03	2	20,000
Personal Protective Turn-out Gear	Public Safety	09-PS-04	2	65,000
Self Contained Breathing Apparatus	Public Safety	09-PS-05	2	24,000
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Generator Replacement - CVFA Substation	Public Safety	20-PS-03	2	30,000
Hose and Equipment	Public Safety	21-PS-06	2	20,000
Small Dump Trucks	Public Works	09-PW-14	2	95,000
Mowers (fine cut)	Public Works	09-PW-16	2	13,500
Wheelloader	Public Works	13-PW-10	2	210,000
Relocate Transfer Station	Public Works	19-PW-02	2	500,000
Power Curber	Public Works	23-PW-01	2	25,000
			Total for: Priority 2	1,277,500
Priority 3 Important				
Laidlaw Park Improvements	Culture & Recreation	09-CR-08	3	10,000
Creaser Park	Culture & Recreation	09-CR-11	3	25,000
Canoe/Kayak Launch	Culture & Recreation	11-CR-02	3	18,000
AC Replacement	Education	18-ED-09	3	50,000
Police Station Updates	Public Safety	19-PS-06	3	75,500
Fire Pond Maintenance and Creation	Public Safety	20-PS-04	3	10,000
Special Operations Equipment	Public Safety	23-PS-01	3	20,000
Large Drainage Projects	Public Works	09-PW-07	3	20,000
Pick-up Trucks	Public Works	09-PW-15	3	50,000

Project Name	Department	Project #	Priority	Project Cost
Urban Forestry Stewardship	Public Works	09-PW-19	3	35,000
Guardrail	Public Works	13-PW-08	3	25,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	15,000
<i>Total for: Priority 3</i>				353,500
Total for FY 23				11,396,500

FY 24

Priority n/a

Additional Backhoe	Public Works	23-PW-04	n/a	175,000
<i>Total for: Priority n/a</i>				175,000

Priority 1 Critical

Miller Richardson Improvements	Culture & Recreation	09-CR-07	1	500,000
Network Upgrades	Education	09-ED-01	1	75,000
Information Technology	General Administration	09-GA-01	1	44,000
Revaluation	General Administration	09-GA-02	1	40,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	57,500
Large Dump Replacement	Public Works	09-PW-01	1	223,300
Summer Roads	Public Works	09-PW-06	1	700,000
Lake Management Projects	Public Works	17-PW-01	1	125,000
<i>Total for: Priority 1</i>				1,764,800

Priority 2 Very Important

CNREF FUND	CNREF	12-GA-01	2	75,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	35,000
Classroom Furniture	Education	09-ED-11	2	45,000
Kitchen Equipment Upgrades	Education	16-ED-02	2	35,000
PSS Van Replacement	Education	18-ED-06	2	70,000
Classroom technology	Education	23-ED-02	2	100,000
Open Space Acquisition	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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Service Truck Replacements	Public Safety	19-PS-03	2	80,000
Hose and Equipment	Public Safety	21-PS-06	2	20,000
Mowers (fine cut)	Public Works	09-PW-16	2	15,000
Additional Infiltration Basins	Public Works	21-PW-06	2	200,000
Daly Road Safety Improvements	Public Works	21-PW-09	2	3,000,000
Auger Monster	Public Works	22-PW-01	2	110,000
<i>Total for: Priority 2</i>				3,879,000

Priority 3 Important

Creaser Park	Culture & Recreation	09-CR-11	3	20,000
Furnishing replacement and additional shelving	Culture & Recreation	23-CR-01	3	30,000
School Maintenance Vehicles	Education	14-ED-05	3	40,000
School Wood Floor Refinishing	Education	14-ED-06	3	36,000
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	20,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Open Space Stewardship	Public Works	13-PW-05	3	10,000
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	30,000
Hook Hoist Lifts	Public Works	23-PW-03	3	40,000

Project Name	Department	Project #	Priority	Project Cost
<i>Total for: Priority 3</i>				381,000
Priority 4 Less Important				
Field Irrigation	Public Works	09-PW-11	4	20,000
Sidewalk Extension and Repair	Public Works	11-PW-03	4	15,000
<i>Total for: Priority 4</i>				35,000
Total for FY 24				6,234,800

FY 25

Priority 1 Critical

School Energy/Electrical/Security Upgrades/ADA	Education	12-ED-07	1	2,000,000
Relocate High School Weight Room	Education	20-ED-05	1	325,000
Information Technology	General Administration	09-GA-01	1	45,000
Revaluation	General Administration	09-GA-02	1	60,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	115,000
Large Dump Replacement	Public Works	09-PW-01	1	230,000
Summer Roads	Public Works	09-PW-06	1	850,000
Lake Management Projects	Public Works	17-PW-01	1	125,000
<i>Total for: Priority 1</i>				3,750,000

Priority 2 Very Important

CNREF FUND	CNREF	12-GA-01	2	100,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	45,000
New Community Center	Culture & Recreation	23-CR-2	2	60,000
Classroom Furniture	Education	09-ED-11	2	45,000
School Carpet Replacement	Education	09-ED-14	2	30,000
Crack Sealing of School Parking Lots	Education	18-ED-01	2	20,000
Classroom technology	Education	23-ED-02	2	150,000
Open Space Acquisition	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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Hose and Equipment	Public Safety	21-PS-06	2	22,000
Community Connectivity Sidewalk Extension	Public Works	21-PW-07	2	300,000
<i>Total for: Priority 2</i>				860,500

Priority 3 Important

Laidlaw Park Improvements	Culture & Recreation	09-CR-08	3	20,000
CHS Lecture Hall Seating	Education	14-ED-09	3	70,000
Window replacement	Education	17-ED-01	3	5,000,000
Fireproof File Cabinets	Education	20-ED-04	3	50,000
Replacement Lockers - CNH	Education	21-ED-05	3	65,000
Asbestos Abatement CHS	Education	21-ED-06	3	250,000
Engine Tanker Refurbishment	Public Safety	19-PS-05	3	75,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Urban Forestry Stewardship	Public Works	09-PW-19	3	30,000
Tri-axle Dump Truck	Public Works	13-PW-07	3	225,000
Guardrail	Public Works	13-PW-08	3	20,000
WPCA Replacement Pickup Truck	Public Works	23-PW-06	3	35,000
<i>Total for: Priority 3</i>				5,860,000

Priority 4 Less Important

Avery Shores Pump Station Site Improvements	Public Works	23-PW-07	4	15,000
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Project Name	Department	Project #	Priority	Project Cost	
				<i>Total for: Priority 4</i>	15,000
Total for FY 25					10,485,500

FY 26

Priority n/a

GHR parking lot replacement	Education	18-ED-07	n/a	250,000	
				<i>Total for: Priority n/a</i>	250,000

Priority 1 Critical

Information Technology	General Administration	09-GA-01	1	46,000	
Revaluation	General Administration	09-GA-02	1	100,000	
Town Hall Renovations	General Administration	09-GA-09	1	10,000	
Police Vehicle Replacements	Public Safety	09-PS-01	1	57,500	
Ambulance Replacement	Public Safety	18-PS-01	1	325,000	
Large Dump Replacement	Public Works	09-PW-01	1	236,900	
Summer Roads	Public Works	09-PW-06	1	900,000	
Lake Management Projects	Public Works	17-PW-01	1	125,000	
				<i>Total for: Priority 1</i>	1,800,400

Priority 2 Very Important

CNREF FUND	CNREF	12-GA-01	2	150,000	
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000	
New Community Center	Culture & Recreation	23-CR-2	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	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	24,000	
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000	
Hose and Equipment	Public Safety	21-PS-06	2	22,000	
Small Dump Trucks	Public Works	09-PW-14	2	105,000	
Mowers (fine cut)	Public Works	09-PW-16	2	16,500	
				<i>Total for: Priority 2</i>	10,650,000

Priority 3 Important

School Custodial Equipment	Education	14-ED-03	3	25,000	
School Wood Floor Refinishing	Education	14-ED-06	3	32,500	
Police Station Updates	Public Safety	19-PS-06	3	30,000	
Large Drainage Projects	Public Works	09-PW-07	3	20,000	
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000	
Pick-up Trucks	Public Works	09-PW-15	3	57,500	
Open Space Stewardship	Public Works	13-PW-05	3	10,000	
Cemetery Expansion/Improvements	Public Works	14-PW-04	3	50,000	
Pump Replacements	Public Works	22-PW-02	3	18,000	
				<i>Total for: Priority 3</i>	263,000

Total for FY 26 **12,963,400**

FY 27

Priority 1 Critical

Information Technology	General Administration	09-GA-01	1	47,000
Police Vehicle Replacements	Public Safety	09-PS-01	1	57,500
Large Dump Replacement	Public Works	09-PW-01	1	244,000

Project Name	Department	Project #	Priority	Project Cost
Summer Roads	Public Works	09-PW-06	1	950,000
<i>Total for: Priority 1</i>				1,298,500
<i>Priority 2 Very Important</i>				
CNREF FUND	CNREF	12-GA-01	2	175,000
Patriots Park Improvements	Culture & Recreation	09-CR-06	2	15,000
Classroom Furniture	Education	09-ED-11	2	45,000
Classroom technology	Education	23-ED-02	2	200,000
Open Space Acquisition	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
Radio Replacement/Enhancement	Public Safety	09-PS-08	2	10,000
Hose and Equipment	Public Safety	21-PS-06	2	24,000
<i>Total for: Priority 2</i>				545,500
<i>Priority 3 Important</i>				
Creaser Park	Culture & Recreation	09-CR-11	3	15,000
School Maintenance Vehicles	Education	14-ED-05	3	40,000
School Wood Floor Refinishing	Education	14-ED-06	3	32,500
Fire Tank Inspection	Education	23-ED-01	3	25,000
Meeting Room Addition	General Administration	09-GA-08	3	1,000,000
Water Tower	General Administration	14-GA-02	3	1,000,000
Small Bridge and Culverts	Public Works	09-PW-09	3	20,000
Guardrail	Public Works	13-PW-08	3	10,000
<i>Total for: Priority 3</i>				2,142,500
Total for FY 27				3,986,500
GRAND TOTAL				45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY DEPARTMENT AND EXPENDITURE TYPE

Expenditure Type

<i>Department</i>	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Planning/Design								
<u>Culture & Recreation</u>								
Miller Richardson Improvements	09-CR-07	1	25,000					25,000
New Community Center	23-CR-2	2			60,000			60,000
<i>Culture & Recreation Total</i>			25,000		60,000			85,000
Planning/Design Total			25,000		60,000			85,000
Land Acquisition								
<u>General Administration</u>								
Open Space Acquisition	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	25,000	115,000
Land Acquisition Total			15,000	25,000	25,000	25,000	25,000	115,000
Construction/Maintenance								
<u>Culture & Recreation</u>								
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	130,000
Miller Richardson Improvements	09-CR-07	1		500,000				500,000
Laidlaw Park Improvements	09-CR-08	3			20,000			20,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000	60,000
Library Renovation	15-CR-01	2	95,000					95,000
New Community Center	23-CR-2	2				10,000,000		10,000,000
<i>Culture & Recreation Total</i>			140,000	555,000	65,000	10,015,000	30,000	10,805,000
<u>Education</u>								
School Carpet Replacement	09-ED-14	2	10,000		30,000			40,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000			7,760,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500	101,000
Window replacement	17-ED-01	3			5,000,000			5,000,000
Crack Sealing of School Parking Lots	18-ED-01	2			20,000			20,000
GHR parking lot replacement	18-ED-07	n/a				250,000		250,000
GHR Exterior Work	19-ED-04	2	25,000					25,000
Relocate High School Weight Room	20-ED-05	1			325,000			325,000
Asbestos Abatement CHS	21-ED-06	3			250,000			250,000
Fire Tank Inspection	23-ED-01	3					25,000	25,000
<i>Education Total</i>			5,795,000	36,000	7,625,000	282,500	57,500	13,796,000
<u>General Administration</u>								
Meeting Room Addition	09-GA-08	3					1,000,000	1,000,000

Expenditure Type

<i>Department</i>	<i>Project #</i>	<i>Priority</i>	<i>FY 23</i>	<i>FY 24</i>	<i>FY 25</i>	<i>FY 26</i>	<i>FY 27</i>	<i>Total</i>
Town Hall Renovations	09-GA-09	1				10,000		10,000
Water Tower	14-GA-02	3					1,000,000	1,000,000
General Administration Total						10,000	2,000,000	2,010,000
<u>Public Safety</u>								
Police Station Updates	19-PS-06	3	75,500			30,000		105,500
Fire Pond Maintenance and Creation	20-PS-04	3	10,000					10,000
Public Safety Total			85,500			30,000		115,500
<u>Public Works</u>								
Summer Roads	09-PW-06	1	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Large Drainage Projects	09-PW-07	3	20,000			20,000		40,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	80,000
Field Irrigation	09-PW-11	4		20,000				20,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000			65,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Open Space Stewardship	13-PW-05	3		10,000		10,000		20,000
Guardrail	13-PW-08	3	25,000		20,000		10,000	55,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000		95,000
Lake Management Projects	17-PW-01	1	125,000	125,000	125,000	125,000		500,000
Relocate Transfer Station	19-PW-02	2	500,000					500,000
Additional Infiltration Basins	21-PW-06	2		200,000				200,000
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000			300,000
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
Public Works Total			4,320,000	4,120,000	1,360,000	1,125,000	980,000	11,905,000
Construction/Maintenance Total			10,340,500	4,711,000	9,050,000	11,462,500	3,067,500	38,631,500
Equip/Vehicles/Furnishings								
<u>Culture & Recreation</u>								
Laidlaw Park Improvements	09-CR-08	3	10,000					10,000
Canoe/Kayak Launch	11-CR-02	3	18,000					18,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000				30,000
Culture & Recreation Total			28,000	30,000				58,000
<u>Education</u>								
Network Upgrades	09-ED-01	1	75,000	75,000				150,000
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	205,000
School Custodial Equipment	14-ED-03	3				25,000		25,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000	80,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Kitchen Equipment Upgrades	16-ED-02	2		35,000				35,000
PSS Van Replacement	18-ED-06	2		70,000				70,000
AC Replacement	18-ED-09	3	50,000					50,000
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	100,000	150,000	200,000	200,000	700,000
Education Total			200,000	365,000	380,000	270,000	285,000	1,500,000

Expenditure Type

<i>Department</i>	<i>Project #</i>	<i>Priority</i>	<i>FY 23</i>	<i>FY 24</i>	<i>FY 25</i>	<i>FY 26</i>	<i>FY 27</i>	<i>Total</i>
<u>General Administration</u>								
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	225,000
General Administration Total			43,000	44,000	45,000	46,000	47,000	225,000
<u>Human Services</u>								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Human Services Total				60,000				60,000
<u>Public Safety</u>								
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	388,000
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	172,500
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	50,000
Ambulance Replacement	18-PS-01	1				325,000		325,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Generator Replacement - CVFA Substation	20-PS-03	2	30,000					30,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Special Operations Equipment	23-PS-01	3	20,000	20,000				40,000
Public Safety Total			269,500	311,500	265,500	466,000	143,000	1,455,500
<u>Public Works</u>								
Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	934,200
Small Dump Trucks	09-PW-14	2	95,000			105,000		200,000
Pick-up Trucks	09-PW-15	3	50,000			57,500		107,500
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500		45,000
Tri-axle Dump Truck	13-PW-07	3			225,000			225,000
Wheelloader	13-PW-10	2	210,000					210,000
Auger Monster	22-PW-01	2		110,000				110,000
Pump Replacements	22-PW-02	3				18,000		18,000
Power Curber	23-PW-01	2	25,000					25,000
Ballfield Infield Groomer	23-PW-02	1	25,000					25,000
Hook Hoist Lifts	23-PW-03	3		40,000				40,000
Additional Backhoe	23-PW-04	n/a		175,000				175,000
Dump Body	23-PW-05	1	12,000					12,000
WPCA Replacement Pickup Truck	23-PW-06	3			35,000			35,000
Public Works Total			430,500	563,300	490,000	433,900	244,000	2,161,700
Equip/Vehicles/Furnishings Total			971,000	1,373,800	1,180,500	1,215,900	719,000	5,460,200
Other								
<u>CNREF</u>								
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	500,000
CNREF Total			0	75,000	100,000	150,000	175,000	500,000
<u>General Administration</u>								
Revaluation	09-GA-02	1		40,000	60,000	100,000		200,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000		55,000
Electronic Document Management System	22-GA-03	2	20,000					20,000

Expenditure Type

<i>Department</i>	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
<i>General Administration Total</i>			45,000	50,000	70,000	110,000		<i>275,000</i>
Other Total			45,000	125,000	170,000	260,000	175,000	<i>775,000</i>
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	<i>45,066,700</i>

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

EXPENDITURE TYPE SUMMARY BY DEPARTMENT

Department Expenditure Type	FY 23	FY 24	FY 25	FY 26	FY 27	Total
CNREF						
Other		75,000	100,000	150,000	175,000	500,000
Total:		75,000	100,000	150,000	175,000	500,000
Culture & Recreation						
Planning/Design	25,000		60,000			85,000
Construction/Maintenance	140,000	555,000	65,000	10,015,000	30,000	10,805,000
Equip/Vehicles/Furnishings	28,000	30,000				58,000
Total:	193,000	585,000	125,000	10,015,000	30,000	10,948,000
Education						
Construction/Maintenance	5,795,000	36,000	7,625,000	282,500	57,500	13,796,000
Equip/Vehicles/Furnishings	200,000	365,000	380,000	270,000	285,000	1,500,000
Total:	5,995,000	401,000	8,005,000	552,500	342,500	15,296,000
General Administration						
Land Acquisition	15,000	25,000	25,000	25,000	25,000	115,000
Construction/Maintenance				10,000	2,000,000	2,010,000
Equip/Vehicles/Furnishings	43,000	44,000	45,000	46,000	47,000	225,000
Other	45,000	50,000	70,000	110,000		275,000
Total:	103,000	119,000	140,000	191,000	2,072,000	2,625,000
Human Services						
Equip/Vehicles/Furnishings		60,000				60,000
Total:		60,000				60,000
Public Safety						
Construction/Maintenance	85,500			30,000		115,500
Equip/Vehicles/Furnishings	269,500	311,500	265,500	466,000	143,000	1,455,500
Total:	355,000	311,500	265,500	496,000	143,000	1,571,000
Public Works						
Construction/Maintenance	4,320,000	4,120,000	1,360,000	1,125,000	980,000	11,905,000
Equip/Vehicles/Furnishings	430,500	563,300	490,000	433,900	244,000	2,161,700
Total:	4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	14,066,700

Department

Expenditure Type

	FY 23	FY 24	FY 25	FY 26	FY 27	Total
GRAND TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	<i>45,066,700</i>

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY DEPARTMENT

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
CNREF								
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	500,000
CNREF Total			0	75,000	100,000	150,000	175,000	500,000
Culture & Recreation								
New Community Center	23-CR-2	2			60,000	10,000,000		10,060,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000				30,000
Library Renovation	15-CR-01	2	95,000					95,000
Canoe/Kayak Launch	11-CR-02	3	18,000					18,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000	60,000
Laidlaw Park Improvements	09-CR-08	3	10,000		20,000			30,000
Miller Richardson Improvements	09-CR-07	1	25,000	500,000				525,000
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	130,000
Culture & Recreation Total			193,000	585,000	125,000	10,015,000	30,000	10,948,000
Education								
Crack Sealing of School Parking Lots	18-ED-01	2			20,000			20,000
PSS Van Replacement	18-ED-06	2		70,000				70,000
Fire Tank Inspection	23-ED-01	3					25,000	25,000
Asbestos Abatement CHS	21-ED-06	3			250,000			250,000
Replacement Lockers - CNH	21-ED-05	3			65,000			65,000
Relocate High School Weight Room	20-ED-05	1			325,000			325,000
Fireproof File Cabinets	20-ED-04	3			50,000			50,000
GHR Exterior Work	19-ED-04	2	25,000					25,000
AC Replacement	18-ED-09	3	50,000					50,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	700,000
School Carpet Replacement	09-ED-14	2	10,000		30,000			40,000
Network Upgrades	09-ED-01	1	75,000	75,000				150,000
GHR parking lot replacement	18-ED-07	n/a				250,000		250,000
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	205,000
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000			7,760,000
School Custodial Equipment	14-ED-03	3				25,000		25,000
School Maintenance Vehicles	14-ED-05	3		40,000			40,000	80,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500	101,000
CHS Lecture Hall Seating	14-ED-09	3			70,000			70,000
Kitchen Equipment Upgrades	16-ED-02	2		35,000				35,000
Window replacement	17-ED-01	3			5,000,000			5,000,000
Education Total			5,995,000	401,000	8,005,000	552,500	342,500	15,296,000
General Administration								
Revaluation	09-GA-02	1		40,000	60,000	100,000		200,000
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Meeting Room Addition	09-GA-08	3					1,000,000	1,000,000
Town Hall Renovations	09-GA-09	1				10,000		10,000

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Water Tower	14-GA-02	3					1,000,000	1,000,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000		55,000
Electronic Document Management System	22-GA-03	2	20,000					20,000
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	225,000
General Administration Total			103,000	119,000	140,000	191,000	2,072,000	2,625,000
Human Services								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Human Services Total				60,000				60,000
Public Safety								
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	172,500
Generator Replacement - CVFA Substation	20-PS-03	2	30,000					30,000
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	388,000
Special Operations Equipment	23-PS-01	3	20,000	20,000				40,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000					10,000
Police Station Updates	19-PS-06	3	75,500			30,000		105,500
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Service Truck Replacements	19-PS-03	2		80,000				80,000
Ambulance Replacement	18-PS-01	1				325,000		325,000
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	50,000
Self Contained Breathing Apparatus	09-PS-05	2	24,000	24,000	16,000	24,000	24,000	112,000
Hose and Equipment	21-PS-06	2	20,000	20,000	22,000	22,000	24,000	108,000
Public Safety Total			355,000	311,500	265,500	496,000	143,000	1,571,000
Public Works								
WPCA Replacement Pickup Truck	23-PW-06	3			35,000			35,000
Auger Monster	22-PW-01	2		110,000				110,000
Relocate Transfer Station	19-PW-02	2	500,000					500,000
Additional Infiltration Basins	21-PW-06	2		200,000				200,000
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000			300,000
Daly Road Safety Improvements	21-PW-09	2		3,000,000				3,000,000
Pump Replacements	22-PW-02	3				18,000		18,000
Power Curber	23-PW-01	2	25,000					25,000
Ballfield Infield Groomer	23-PW-02	1	25,000					25,000
Hook Hoist Lifts	23-PW-03	3		40,000				40,000
Lake Management Projects	17-PW-01	1	125,000	125,000	125,000	125,000		500,000
Dump Body	23-PW-05	1	12,000					12,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000			65,000
Additional Backhoe	23-PW-04	n/a		175,000				175,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000		95,000
Wheelloader	13-PW-10	2	210,000					210,000
Guardrail	13-PW-08	3	25,000		20,000		10,000	55,000
Tri-axle Dump Truck	13-PW-07	3			225,000			225,000
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000			15,000
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500		45,000
Pick-up Trucks	09-PW-15	3	50,000			57,500		107,500
Small Dump Trucks	09-PW-14	2	95,000			105,000		200,000
Field Irrigation	09-PW-11	4		20,000				20,000
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	80,000
Large Drainage Projects	09-PW-07	3	20,000			20,000		40,000
Summer Roads	09-PW-06	1	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	934,200

Department	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Open Space Stewardship	13-PW-05	3		10,000		10,000		20,000
Public Works Total			4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	14,066,700
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY CATEGORY

Category	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Buildings								
School Carpet Replacement	09-ED-14	2	10,000		30,000			40,000
Town Hall Renovations	09-GA-09	1				10,000		10,000
School Wood Floor Refinishing	14-ED-06	3		36,000		32,500	32,500	101,000
Library Renovation	15-CR-01	2	95,000					95,000
Window replacement	17-ED-01	3			5,000,000			5,000,000
GHR Exterior Work	19-ED-04	2	25,000					25,000
Police Station Updates	19-PS-06	3	75,500			30,000		105,500
Relocate High School Weight Room	20-ED-05	1			325,000			325,000
New Community Center	23-CR-2	2			60,000	10,000,000		10,060,000
Fire Tank Inspection	23-ED-01	3					25,000	25,000
Buildings Total			205,500	36,000	5,415,000	10,072,500	57,500	15,786,500
Buildings - Additions								
Meeting Room Addition	09-GA-08	3					1,000,000	1,000,000
Buildings - Additions Total							1,000,000	1,000,000
Buildings - Asbestos								
Asbestos Abatement CHS	21-ED-06	3			250,000			250,000
Buildings - Asbestos Total					250,000			250,000
Buildings - HVAC & Electrical								
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	1	5,760,000		2,000,000			7,760,000
AC Replacement	18-ED-09	3	50,000					50,000
Buildings - HVAC & Electrical Total			5,810,000		2,000,000			7,810,000
Equipment								
Personal Protective Turn-out Gear	09-PS-04	2	65,000	25,000	27,500	27,500	27,500	172,500
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
Kitchen Equipment Upgrades	16-ED-02	2		35,000				35,000
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
Special Operations Equipment	23-PS-01	3	20,000	20,000				40,000
Equipment Total			129,000	124,000	200,500	98,500	75,500	627,500
Equipment - Computers/software								
Network Upgrades	09-ED-01	1	75,000	75,000				150,000
Information Technology	09-GA-01	1	43,000	44,000	45,000	46,000	47,000	225,000
Classroom technology	23-ED-02	2	50,000	100,000	150,000	200,000	200,000	700,000

Category	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Equipment - Computers/software Total			168,000	219,000	195,000	246,000	247,000	1,075,000
Equipment - Communication								
Radio Replacement/Enhancement	09-PS-08	2	10,000	10,000	10,000	10,000	10,000	50,000
Equipment - Communication Total			10,000	10,000	10,000	10,000	10,000	50,000
Equipment - Ground Maintenance								
Mowers (fine cut)	09-PW-16	2	13,500	15,000		16,500		45,000
Ballfield Infield Groomer	23-PW-02	1	25,000					25,000
Equipment - Ground Maintenance Total			38,500	15,000		16,500		70,000
Equipment - Highway Equip								
Tri-axle Dump Truck	13-PW-07	3			225,000			225,000
Power Curber	23-PW-01	2	25,000					25,000
Dump Body	23-PW-05	1	12,000					12,000
Equipment - Highway Equip Total			37,000		225,000			262,000
Equipment - Office								
Classroom Furniture	09-ED-11	2	25,000	45,000	45,000	45,000	45,000	205,000
Fireproof File Cabinets	20-ED-04	3			50,000			50,000
Electronic Document Management System	22-GA-03	2	20,000					20,000
Furnishing replacement and additional shelving	23-CR-01	3		30,000				30,000
Equipment - Office Total			45,000	75,000	95,000	45,000	45,000	305,000
Equipment-generators								
Generator Replacement - CVFA Substation	20-PS-03	2	30,000					30,000
Equipment-generators Total			30,000					30,000
Improvements - Not Building								
Open Space Stewardship	13-PW-05	3		10,000		10,000		20,000
Relocate Transfer Station	19-PW-02	2	500,000					500,000
Improvements - Not Building Total			500,000	10,000		10,000		520,000
Infrastructure								
CNREF FUND	12-GA-01	2	0	75,000	100,000	150,000	175,000	500,000
Guardrail	13-PW-08	3	25,000		20,000		10,000	55,000
Fire Pond Maintenance and Creation	20-PS-04	3	10,000					10,000
Community Connectivity Sidewalk Extension	21-PW-07	2			300,000			300,000
Infrastructure Total			35,000	75,000	420,000	150,000	185,000	865,000
Infrastructure - Asphalt Roadway								
Crack Sealing of School Parking Lots	18-ED-01	2			20,000			20,000
Infrastructure - Asphalt Roadway Total					20,000			20,000
Infrastructure - Culverts major								
Small Bridge and Culverts	09-PW-09	3		20,000	20,000	20,000	20,000	80,000
Infrastructure - Culverts major Total				20,000	20,000	20,000	20,000	80,000

Category	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Infrastructure - Surface Treated								
GHR parking lot replacement	18-ED-07	n/a				250,000		250,000
Infrastructure - Surface Treated Total						250,000		250,000
Land								
Open Space Acquisition	09-GA-05	2	15,000	25,000	25,000	25,000	25,000	115,000
Land Total						15,000	25,000	115,000
Land - Grounds Improvements								
Field Irrigation	09-PW-11	4		20,000				20,000
Urban Forestry Stewardship	09-PW-19	3	35,000		30,000			65,000
Cemetery Expansion/Improvements	14-PW-04	3	15,000	30,000		50,000		95,000
Avery Shores Pump Station Site Improvements	23-PW-07	4			15,000			15,000
Land - Grounds Improvements Total						50,000	50,000	195,000
Land - Paved Improvements								
Sidewalk Extension and Repair	11-PW-03	4		15,000				15,000
Land - Paved Improvements Total						15,000		15,000
Park Improvements								
Miller Richardson Improvements	09-CR-07	1	25,000	500,000				525,000
Laidlaw Park Improvements	09-CR-08	3	10,000		20,000			30,000
Creaser Park	09-CR-11	3	25,000	20,000			15,000	60,000
Canoe/Kayak Launch	11-CR-02	3	18,000					18,000
Park Improvements Total						78,000	520,000	633,000
Park: Patriots								
Patriots Park Improvements	09-CR-06	2	20,000	35,000	45,000	15,000	15,000	130,000
Park: Patriots Total						20,000	35,000	130,000
Storm Sewer/Drainage								
Large Drainage Projects	09-PW-07	3	20,000			20,000		40,000
Storm Sewer/Drainage Total						20,000	20,000	40,000
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	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Street: Summer Roads Total						3,600,000	700,000	7,000,000
Unassigned								
Revaluation	09-GA-02	1		40,000	60,000	100,000		200,000
GIS Upgrades	22-GA-01	2	25,000	10,000	10,000	10,000		55,000
WPCA Replacement Pickup Truck	23-PW-06	3			35,000			35,000

Category	Project #	Priority	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Unassigned Total			25,000	50,000	105,000	110,000		290,000
Vehicles - Cars & Light Trucks								
Elderly Van Replacement	09-HS-01	3		60,000				60,000
Pick-up Trucks	09-PW-15	3	50,000			57,500		107,500
School Maintenance Vehicles	14-ED-05	3		40,000			40,000	80,000
PSS Van Replacement	18-ED-06	2		70,000				70,000
Vehicles - Cars & Light Trucks Total			50,000	170,000		57,500	40,000	317,500
Vehicles - Construction								
Large Dump Replacement	09-PW-01	1		223,300	230,000	236,900	244,000	934,200
Small Dump Trucks	09-PW-14	2	95,000			105,000		200,000
Wheelloader	13-PW-10	2	210,000					210,000
Hook Hoist Lifts	23-PW-03	3		40,000				40,000
Additional Backhoe	23-PW-04	n/a		175,000				175,000
Vehicles - Construction Total			305,000	438,300	230,000	341,900	244,000	1,559,200
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				325,000		325,000
Engine Tanker Refurbishment	19-PS-05	3		75,000	75,000			150,000
Vehicles - Fire Trucks Total				75,000	75,000	325,000		475,000
Vehicles - police								
Police Vehicle Replacements	09-PS-01	1	100,500	57,500	115,000	57,500	57,500	388,000
Vehicles - police Total			100,500	57,500	115,000	57,500	57,500	388,000
Wastewater								
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		18,000
Wastewater Total				310,000		18,000		328,000
Water								
Water Tower	14-GA-02	3					1,000,000	1,000,000
Lake Management Projects	17-PW-01	1	125,000	125,000	125,000	125,000		500,000
Water Total			125,000	125,000	125,000	125,000	1,000,000	1,500,000
GRAND TOTAL			11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

PROJECTS BY DEPARTMENT AND CATEGORY

Category <i>Department</i>		FY 23	FY 24	FY 25	FY 26	FY 27	Total
Buildings							
<u>Culture & Recreation</u>							
Library Renovation	15-CR-01	95,000					95,000
New Community Center	23-CR-2			60,000	10,000,000		10,060,000
	Sub-Total	95,000		60,000	10,000,000		10,155,000
<u>Education</u>							
School Carpet Replacement	09-ED-14	10,000		30,000			40,000
School Wood Floor Refinishing	14-ED-06		36,000		32,500	32,500	101,000
Window replacement	17-ED-01			5,000,000			5,000,000
GHR Exterior Work	19-ED-04	25,000					25,000
Relocate High School Weight Room	20-ED-05			325,000			325,000
Fire Tank Inspection	23-ED-01					25,000	25,000
	Sub-Total	35,000	36,000	5,355,000	32,500	57,500	5,516,000
<u>General Administration</u>							
Town Hall Renovations	09-GA-09				10,000		10,000
	Sub-Total				10,000		10,000
<u>Public Safety</u>							
Police Station Updates	19-PS-06	75,500			30,000		105,500
	Sub-Total	75,500			30,000		105,500
	Buildings Total	205,500	36,000	5,415,000	10,072,500	57,500	15,786,500
Buildings - Additions							
<u>General Administration</u>							
Meeting Room Addition	09-GA-08				1,000,000		1,000,000
	Sub-Total				1,000,000		1,000,000
	Buildings - Additions Total				1,000,000		1,000,000
Buildings - Asbestos							
<u>Education</u>							
Asbestos Abatement CHS	21-ED-06			250,000			250,000
	Sub-Total			250,000			250,000
	Buildings - Asbestos Total			250,000			250,000
Buildings - HVAC & Electrical							
<u>Education</u>							
School Energy/Electrical/Security Upgrades/ADA	12-ED-07	5,760,000		2,000,000			7,760,000
AC Replacement	18-ED-09	50,000					50,000
	Sub-Total	5,810,000		2,000,000			7,810,000

Category		FY 23	FY 24	FY 25	FY 26	FY 27	Total
Department							
Buildings - HVAC & Electrical Total		5,810,000		2,000,000			7,810,000
Equipment							
Education							
School Custodial Equipment	14-ED-03				25,000		25,000
CHS Lecture Hall Seating	14-ED-09			70,000			70,000
Kitchen Equipment Upgrades	16-ED-02		35,000				35,000
Replacement Lockers - CNH	21-ED-05			65,000			65,000
Sub-Total			35,000	135,000	25,000		195,000
Public Safety							
Personal Protective Turn-out Gear	09-PS-04	65,000	25,000	27,500	27,500	27,500	172,500
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
Special Operations Equipment	23-PS-01	20,000	20,000				40,000
Sub-Total		129,000	89,000	65,500	73,500	75,500	432,500
Equipment Total		129,000	124,000	200,500	98,500	75,500	627,500
Equipment - Computers/software							
Education							
Network Upgrades	09-ED-01	75,000	75,000				150,000
Classroom technology	23-ED-02	50,000	100,000	150,000	200,000	200,000	700,000
Sub-Total		125,000	175,000	150,000	200,000	200,000	850,000
General Administration							
Information Technology	09-GA-01	43,000	44,000	45,000	46,000	47,000	225,000
Sub-Total		43,000	44,000	45,000	46,000	47,000	225,000
Equipment - Computers/software Total		168,000	219,000	195,000	246,000	247,000	1,075,000
Equipment - Communication							
Public Safety							
Radio Replacement/Enhancement	09-PS-08	10,000	10,000	10,000	10,000	10,000	50,000
Sub-Total		10,000	10,000	10,000	10,000	10,000	50,000
Equipment - Communication Total		10,000	10,000	10,000	10,000	10,000	50,000
Equipment - Ground Maintenance							
Public Works							
Mowers (fine cut)	09-PW-16	13,500	15,000		16,500		45,000
Ballfield Infield Groomer	23-PW-02	25,000					25,000
Sub-Total		38,500	15,000		16,500		70,000
Equipment - Ground Maintenance Total		38,500	15,000		16,500		70,000
Equipment - Highway Equip							
Public Works							
Tri-axle Dump Truck	13-PW-07			225,000			225,000
Power Curber	23-PW-01	25,000					25,000
Dump Body	23-PW-05	12,000					12,000
Sub-Total		37,000		225,000			262,000

Category		FY 23	FY 24	FY 25	FY 26	FY 27	Total
<i>Department</i>							
Equipment - Highway Equip Total		37,000		225,000			262,000
Equipment - Office							
<u>Culture & Recreation</u>							
Furnishing replacement and additional shelving	23-CR-01		30,000				30,000
Sub-Total			30,000				30,000
<u>Education</u>							
Classroom Furniture	09-ED-11	25,000	45,000	45,000	45,000	45,000	205,000
Fireproof File Cabinets	20-ED-04			50,000			50,000
Sub-Total		25,000	45,000	95,000	45,000	45,000	255,000
<u>General Administration</u>							
Electronic Document Management System	22-GA-03	20,000					20,000
Sub-Total		20,000					20,000
Equipment - Office Total		45,000	75,000	95,000	45,000	45,000	305,000
Equipment-generators							
<u>Public Safety</u>							
Generator Replacement - CVFA Substation	20-PS-03	30,000					30,000
Sub-Total		30,000					30,000
Equipment-generators Total		30,000					30,000
Improvements - Not Building							
<u>Public Works</u>							
Open Space Stewardship	13-PW-05		10,000		10,000		20,000
Relocate Transfer Station	19-PW-02	500,000					500,000
Sub-Total		500,000	10,000		10,000		520,000
Improvements - Not Building Total		500,000	10,000		10,000		520,000
Infrastructure							
<u>CNREF</u>							
CNREF FUND	12-GA-01	0	75,000	100,000	150,000	175,000	500,000
Sub-Total		0	75,000	100,000	150,000	175,000	500,000
<u>Public Safety</u>							
Fire Pond Maintenance and Creation	20-PS-04	10,000					10,000
Sub-Total		10,000					10,000
<u>Public Works</u>							
Guardrail	13-PW-08	25,000		20,000		10,000	55,000
Community Connectivity Sidewalk Extension	21-PW-07			300,000			300,000
Sub-Total		25,000		320,000		10,000	355,000
Infrastructure Total		35,000	75,000	420,000	150,000	185,000	865,000
Infrastructure - Asphalt Roadway							
<u>Education</u>							
Crack Sealing of School Parking Lots	18-ED-01			20,000			20,000
Sub-Total				20,000			20,000

Category		FY 23	FY 24	FY 25	FY 26	FY 27	Total
<i>Department</i>							
Infrastructure - Asphalt Roadway Total				20,000			20,000
Infrastructure - Culverts major							
Public Works							
Small Bridge and Culverts	09-PW-09		20,000	20,000	20,000	20,000	80,000
Sub-Total			20,000	20,000	20,000	20,000	80,000
Infrastructure - Culverts major Total			20,000	20,000	20,000	20,000	80,000
Infrastructure - Surface Treated							
Education							
GHR parking lot replacement	18-ED-07				250,000		250,000
Sub-Total					250,000		250,000
Infrastructure - Surface Treated Total					250,000		250,000
Land							
General Administration							
Open Space Acquisition	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
Urban Forestry Stewardship	09-PW-19	35,000		30,000			65,000
Cemetery Expansion/Improvements	14-PW-04	15,000	30,000		50,000		95,000
Avery Shores Pump Station Site Improvements	23-PW-07			15,000			15,000
Sub-Total		50,000	50,000	45,000	50,000		195,000
Land - Grounds Improvements Total		50,000	50,000	45,000	50,000		195,000
Land - Paved Improvements							
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				15,000
Park Improvements							
Culture & Recreation							
Miller Richardson Improvements	09-CR-07	25,000	500,000				525,000
Laidlaw Park Improvements	09-CR-08	10,000		20,000			30,000
Creaser Park	09-CR-11	25,000	20,000			15,000	60,000
Canoe/Kayak Launch	11-CR-02	18,000					18,000
Sub-Total		78,000	520,000	20,000		15,000	633,000
Park Improvements Total		78,000	520,000	20,000		15,000	633,000
Park: Patriots							
Culture & Recreation							

Category		FY 23	FY 24	FY 25	FY 26	FY 27	Total
<i>Department</i>							
Patriots Park Improvements	09-CR-06	20,000	35,000	45,000	15,000	15,000	130,000
	Sub-Total	20,000	35,000	45,000	15,000	15,000	130,000
	Park: Patriots Total	20,000	35,000	45,000	15,000	15,000	130,000

Storm Sewer/Drainage

Public Works							
Large Drainage Projects	09-PW-07	20,000			20,000		40,000
	Sub-Total	20,000			20,000		40,000
	Storm Sewer/Drainage Total	20,000			20,000		40,000

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

Street: Summer Roads

Public Works							
Summer Roads	09-PW-06	3,600,000	700,000	850,000	900,000	950,000	7,000,000
	Sub-Total	3,600,000	700,000	850,000	900,000	950,000	7,000,000
	Street: Summer Roads Total	3,600,000	700,000	850,000	900,000	950,000	7,000,000

Unassigned

General Administration							
Revaluation	09-GA-02		40,000	60,000	100,000		200,000
GIS Upgrades	22-GA-01	25,000	10,000	10,000	10,000		55,000
	Sub-Total	25,000	50,000	70,000	110,000		255,000
Public Works							
WPCA Replacement Pickup Truck	23-PW-06			35,000			35,000
	Sub-Total			35,000			35,000
	Unassigned Total	25,000	50,000	105,000	110,000		290,000

Vehicles - Cars & Light Trucks

Education							
School Maintenance Vehicles	14-ED-05		40,000			40,000	80,000
PSS Van Replacement	18-ED-06		70,000				70,000
	Sub-Total		110,000			40,000	150,000
Human Services							
Elderly Van Replacement	09-HS-01		60,000				60,000
	Sub-Total		60,000				60,000
Public Works							
Pick-up Trucks	09-PW-15	50,000			57,500		107,500
	Sub-Total	50,000			57,500		107,500
	Vehicles - Cars & Light Trucks Total	50,000	170,000		57,500	40,000	317,500

Vehicles - Construction

Category		FY 23	FY 24	FY 25	FY 26	FY 27	Total
<i>Department</i>							
<u>Public Works</u>							
Large Dump Replacement	09-PW-01		223,300	230,000	236,900	244,000	934,200
Small Dump Trucks	09-PW-14	95,000			105,000		200,000
Wheelloader	13-PW-10	210,000					210,000
Hook Hoist Lifts	23-PW-03		40,000				40,000
Additonal Backhoe	23-PW-04		175,000				175,000
	Sub-Total	305,000	438,300	230,000	341,900	244,000	1,559,200
	Vehicles - Construction Total	305,000	438,300	230,000	341,900	244,000	1,559,200
<u>Vehicles - EMS</u>							
<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
<u>Vehicles - Fire Trucks</u>							
<u>Public Safety</u>							
Ambulance Replacement	18-PS-01				325,000		325,000
Engine Tanker Refurbishment	19-PS-05		75,000	75,000			150,000
	Sub-Total		75,000	75,000	325,000		475,000
	Vehicles - Fire Trucks Total		75,000	75,000	325,000		475,000
<u>Vehicles - police</u>							
<u>Public Safety</u>							
Police Vehicle Replacements	09-PS-01	100,500	57,500	115,000	57,500	57,500	388,000
	Sub-Total	100,500	57,500	115,000	57,500	57,500	388,000
	Vehicles - police Total	100,500	57,500	115,000	57,500	57,500	388,000
<u>Wastewater</u>							
<u>Public Works</u>							
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		18,000
	Sub-Total		310,000		18,000		328,000
	Wastewater Total		310,000		18,000		328,000
<u>Water</u>							
<u>General Administration</u>							
Water Tower	14-GA-02					1,000,000	1,000,000
	Sub-Total					1,000,000	1,000,000
<u>Public Works</u>							
Lake Management Projects	17-PW-01	125,000	125,000	125,000	125,000		500,000
	Sub-Total	125,000	125,000	125,000	125,000		500,000
	Water Total	125,000	125,000	125,000	125,000	1,000,000	1,500,000

Category
Department

FY 23

FY 24

FY 25

FY 26

FY 27

Total

GRAND TOTAL

11,396,500

6,234,800

10,485,500

12,963,400

3,986,500

45,066,700

Town of Coventry, Connecticut

Capital Improvement Plan

FY 23 thru FY 27

CATEGORY SUMMARY BY DEPARTMENT

Department <i>Category</i>	FY 23	FY 24	FY 25	FY 26	FY 27	Total
CNREF						
Infrastructure		75,000	100,000	150,000	175,000	500,000
Department Total		75,000	100,000	150,000	175,000	500,000
Culture & Recreation						
Buildings	95,000		60,000	10,000,000		10,155,000
Equipment - Office		30,000				30,000
Land - Paved Improvements						
Park Improvements	78,000	520,000	20,000		15,000	633,000
Park: Patriots	20,000	35,000	45,000	15,000	15,000	130,000
Department Total	193,000	585,000	125,000	10,015,000	30,000	10,948,000
Education						
Buildings	35,000	36,000	5,355,000	32,500	57,500	5,516,000
Buildings - Asbestos			250,000			250,000
Buildings - HVAC & Electrical	5,810,000		2,000,000			7,810,000
Equipment		35,000	135,000	25,000		195,000
Equipment - Computers/software	125,000	175,000	150,000	200,000	200,000	850,000
Equipment - Office	25,000	45,000	95,000	45,000	45,000	255,000
Infrastructure - Asphalt Roadway			20,000			20,000
Infrastructure - Surface Treated				250,000		250,000
Vehicles - Cars & Light Trucks		110,000			40,000	150,000
Department Total	5,995,000	401,000	8,005,000	552,500	342,500	15,296,000
General Administration						
Buildings				10,000		10,000
Buildings - Additions					1,000,000	1,000,000
Equipment - Computers/software	43,000	44,000	45,000	46,000	47,000	225,000
Equipment - Office	20,000					20,000
Land	15,000	25,000	25,000	25,000	25,000	115,000
Unassigned	25,000	50,000	70,000	110,000		255,000
Water					1,000,000	1,000,000
Department Total	103,000	119,000	140,000	191,000	2,072,000	2,625,000
Human Services						
Vehicles - Cars & Light Trucks		60,000				60,000
Department Total		60,000				60,000
Public Safety						
Buildings	75,500			30,000		105,500

Department

<i>Category</i>	FY 23	FY 24	FY 25	FY 26	FY 27	Total
Equipment	129,000	89,000	65,500	73,500	75,500	432,500
Equipment - Communication	10,000	10,000	10,000	10,000	10,000	50,000
Equipment-generators	30,000					30,000
Infrastructure	10,000					10,000
Vehicles - Cars & Light Trucks						
Vehicles - EMS		80,000				80,000
Vehicles - Fire Trucks		75,000	75,000	325,000		475,000
Vehicles - police	100,500	57,500	115,000	57,500	57,500	388,000
Department Total	355,000	311,500	265,500	496,000	143,000	1,571,000

Public Works

Equipment						
Equipment - Ground Maintenance	38,500	15,000		16,500		70,000
Equipment - Highway Equip	37,000		225,000			262,000
Improvements - Not Building	500,000	10,000		10,000		520,000
Infrastructure	25,000		320,000		10,000	355,000
Infrastructure - Culverts major		20,000	20,000	20,000	20,000	80,000
Land - Grounds Improvements	50,000	50,000	45,000	50,000		195,000
Land - Paved Improvements		15,000				15,000
Storm Sewer/Drainage	20,000			20,000		40,000
Street Reconstruction		3,000,000				3,000,000
Street: Summer Roads	3,600,000	700,000	850,000	900,000	950,000	7,000,000
Unassigned			35,000			35,000
Vehicles - Cars & Light Trucks	50,000			57,500		107,500
Vehicles - Construction	305,000	438,300	230,000	341,900	244,000	1,559,200
Wastewater		310,000		18,000		328,000
Water	125,000	125,000	125,000	125,000		500,000
Department Total	4,750,500	4,683,300	1,850,000	1,558,900	1,224,000	14,066,700
GRAND TOTAL	11,396,500	6,234,800	10,485,500	12,963,400	3,986,500	45,066,700