

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation
 Contact AMY MANGOLD, DIRECTO
 Type Park Improvements
 Useful Life
 Category Land Improvements
 Priority TBD

Project #	P&R-1
Project Name	Dickinson Park Playground

Description	Total Project Cost: \$438,000
<p>New playground equipment to replace existing aging playground equipment. We need new playground equipment to enhance the play value and natural experience for children and their caregivers. This new playground design will include accessibility for all users and will meet all current safety standards.</p>	

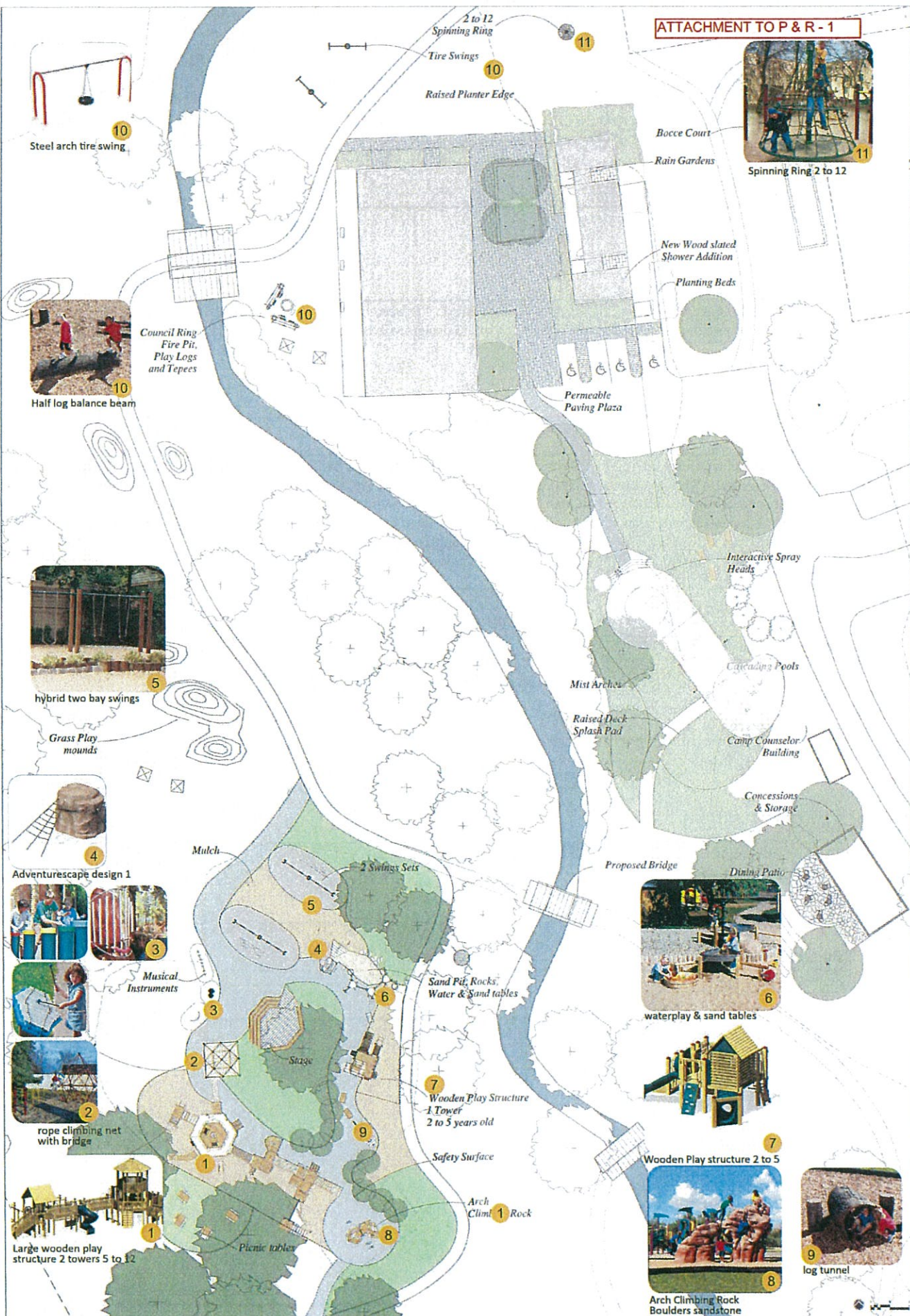
Justification
<p>The current playground has met its useful life. It does not meet current safety standards for material. Pieces of the park are continuing to be removed due to unsafe conditions. We cannot reuse pressure treated wood and cannot replace the pieces of equipment to meet the current codes. There is no handicap excessablity on the current playground. The new playground will increase the play value of the park, meet ada requirements and make the enjoyment of dickinson park a much more valuable asset to the town than in its current state. The dilapidating materials and unsafe conditions do not meet our standards. This new design was carefully thought out to preserve the connections to the familiar feel of dickinson park and to provide more imaginative play that will flow the park visitors to explore beyond the playground and to connect them with the natural environment of the park.</p>

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance	438,000					438,000
Total	438,000					438,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding	438,000					438,000
Total	438,000					438,000

Budget Impact/Other
BUDGET IMPACT IS MINIMAL. MULCH REPLACEMENT IN SPRING (\$1,500)

Budget Items	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Supplies/Materials	1,500					1,500
Total	1,500					1,500

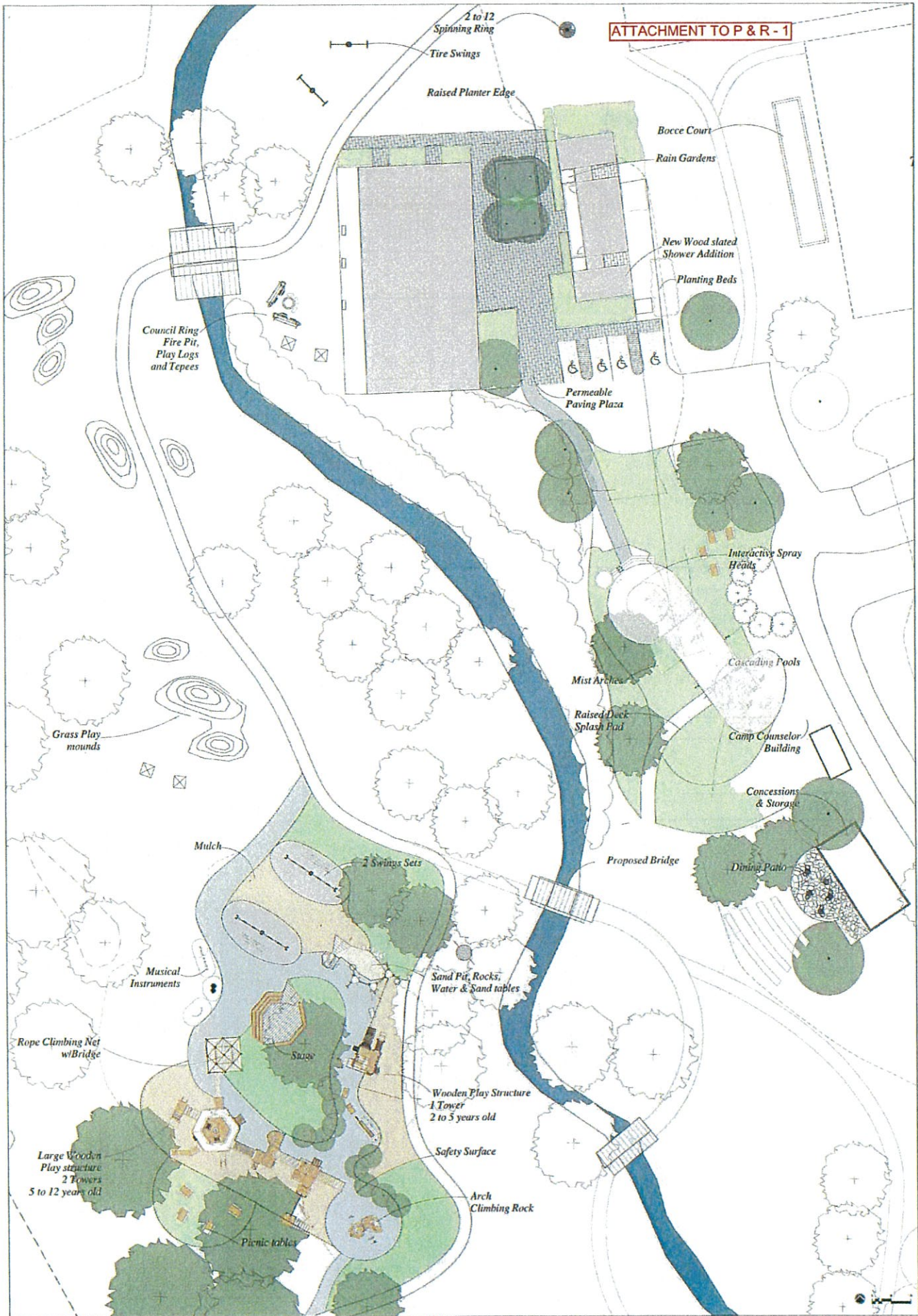


Dickinson Memorial Park
Wetland Education Center
Newtown, CT

Playground
Pavilion Plaza, WaterPlay Deck

DATE 2011 1004

Billie Cohen Ltd
LANDSCAPE DESIGN
105 BOWERY NEW YORK, NY 10002
PH: 212.431.9245 FX: 212.431.0091
BLUCOCHEN @ EARTHLINK.NET



Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation
Contact AMY MANGOLD, DIRECTO
Type Park Improvements
Useful Life
Category Infrastructure
Priority TBD

Project # P&R-2
Project Name Treadwell Park Renovations

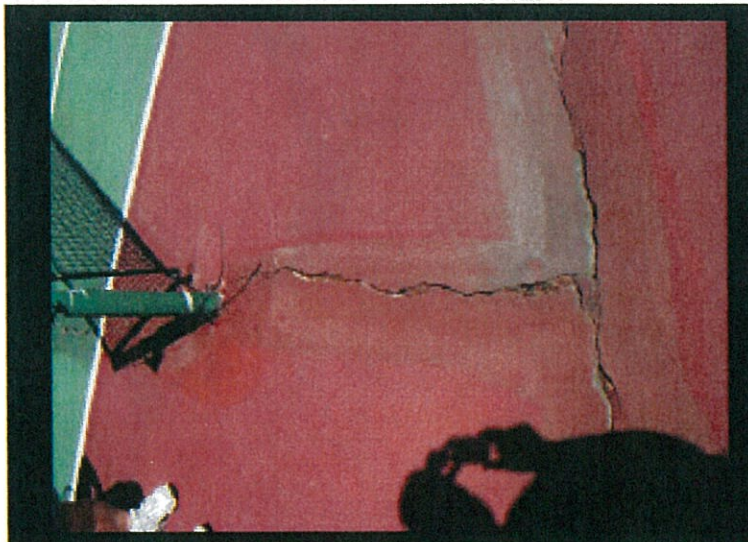
Description **Total Project Cost:** \$498,000
 To replace the existing tennis courts and basketball court at treadwell park.

Justification
 The current tennis courts have been resurfaced three times and have had crack repairs each season to try to continue safe usage. The resurfacing is beyond repair and cannot continue to be done successfully. The basketball court has large unsafe cracks and cement basket poles. The safety of this court may have to determine that we close it next season.

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance	498,000					498,000
Total	498,000					498,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding	498,000					498,000
Total	498,000					498,000

Budget Impact/Other
 THERE WILL BE NO ADDITIONAL BUDGET IMPACT



Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation
 Contact AMY MANGOLD, DIRECTO
 Type Park Improvements
 Useful Life
 Category Land Improvements
 Priority TBD

Project # **P&R-3**
 Project Name **Artificial Turf Replacement @ Treadwell Field**

Description **Total Project Cost: \$500,000**
 Replacement of artificial turf at treadwell field

Justification
 The artificial turf field was installed in 2005. This turf surface has an 8 year lifespan and warranty. This field is utilized more than any athletic field in the town and it has begun to show its wear and tear. We do not want to wait until users and residents are complaining that it is in bad condition or unsafe. P & r decided it should be replaced on time at the lifespan ending period. This project will be funded from the surcharge fund collected for such expenses through the sports groups that use the fields.

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance	500,000					500,000
Total	500,000					500,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Other	500,000					500,000
Total	500,000					500,000

Budget Impact/Other
 THERE IS NO ADDITIONAL IMPACT ON THE OPERATING BUDGET



Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation
 Contact AMY MANGOLD, DIRECTO
 Type Building construction/renovatio
 Useful Life
 Category Buildings
 Priority TBD

Project # **P&R-4**
 Project Name **Community Center**

Description Total Project Cost: \$15,500,000
 To provide a communitiy center for the residents of newtown and to house the offices for parks and recreation.

Justification
 The parks and recreation department currently has no facility to run programs other than the teen center bldg. P & r uses the schools and must operate on the school schedule and has second priority for all school related activities. The parks and recreation office space is still housed at 3 main street below the police department. This office space is limited in many ways including storage and outside parking. The town of Newtown is also in need of an indoor pool facility as we have very little use of the high school pool. This pool facility would also include a zero entry pool along with a lap pool which will be of great use to our senior citizens and parents with small children in town. Swim lessons, along with exercise and swim team usage will greatly benefit parks and recreation opportunities in Newtown. This community center could also provide space and programming for the senior population that has currently outgrown their own center. There are a few options for a community center in Newtown, a standalone building, reuse of existing town facility, and the purchase an existing facility to house the center .funds will be needed to plan & design for that best option

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Planning/Design		500,000				500,000
Construction/Maintenance			10,000,000	5,000,000		15,000,000
Total		500,000	10,000,000	5,000,000		15,500,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding		500,000	10,000,000	5,000,000		15,500,000
Total		500,000	10,000,000	5,000,000		15,500,000

Budget Impact/Other
 A DETAILED OPERATING BUDGET IMPACT WILL BE CALCULATED AS THE PROJECT START DATE GETS CLOSER. NO ADDITIONAL STAFF REQUIREMENTS ARE ANTICIPATED (IN THE GENERAL FUND).



Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation
Contact AMY MANGOLD, DIRECTOR
Type Park Improvements
Useful Life
Category Buildings
Priority TBD

Project #	P&R-5
Project Name	Bath House/Concessions Stand @ Eichlers Cove

Description	Total Project Cost: \$325,000
Bath house/concession for Eichlers and some additional infrastructure improvements (recommendations to come from Eichler's subcommittee)	

Justification
Currently there is no bathrooms at Eichler's cove. Patrons who pay to use the facility or rent a boat slip use portable bathrooms. There is no changing area, sinks, showers or toilets other than temporary. There is also no area for food purchase or to use a concession area for events that we would like to have in the future at the sight.

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance			325,000			325,000
Total			325,000			325,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding			325,000			325,000
Total			325,000			325,000

Budget Impact/Other
NO IMPACT ON THE GENERAL FUND OPERATING BUDGET. ADDITIONAL OPERATING ITEMS SUCH AS UTILITIES AND SALARIES WILL BE FUNDED BY THE EICHLER'S COVE SPECIAL REVENUE FUND.

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation

Contact

Type Park Improvements

Useful Life

Category Infrastructure

Priority TBD

Project # **P&R-7**
 Project Name **Treadwell/Dickinson Parking Lots**

Description

Total Project Cost: \$450,000

To replace the dilapidated parking lot near the new band shell and basketball court at Dickinson to prepare a new parking lot at Treadwell park near the former maintenance building

Justification

The lower parking lot at Dickinson Park is a complete mess. Pot holes, trenches, cracks and dirt. This lot is beyond its useful life and needs to be replaced. The new maintenance garage at trades lane is almost complete. The staff and equipment will be moving to that new location. This leaves the area around the old maintenance Facility free for a new parking lot. The current lot is always full and very crowded. The amount of cars entering and exiting at one time is problematic and unsafe. The parks and recreation department can add almost 70 parking spots at that site. This parking would be allocated for a specific field use along with the pavilion and employee parking in the summer for lifeguards, gate guards and counselors. This will free up parking in the main lot and create a much less crowded, busy and unsafe current situation.

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance			450,000			450,000
Total			450,000			450,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding			450,000			450,000
Total			450,000			450,000

Budget Impact/Other

A SMALL MAINTENANCE SAVINGS ON THE OPERATIONAL BUDGET



TREADWELL PARKING



DICKINSON PARKING

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Parks & Recreation
 Contact AMY MANGOLD, DIRECTO
 Type Utility Infrastructure
 Useful Life
 Category Infrastructure
 Priority 2 - Medium

Project # **P&R-8**
 Project Name **High School Back Field Light Installation**

Description Total Project Cost: \$300,000
 Install lights on the high school back multi use practice field.

Justification
 Newtown youth football and cheer currently utilizes Taylor field at Hawley school for practices. The practices run from august to November and run into the evening. Lights are required for these practices. The lights that are currently at Taylor field are only temporary and are rented. Permanent lights at Taylor field do not make sense as the parking and availability of that field is very limited. Hawley School is also in the borough and there are many homes in that area that field lights would disturb. The back high school field is a great fit for NYF practices. The sleds and football equipment is already in place, there is ample parking, it is not a neighborhood setting. Due to the size of the field other groups including the hs would benefit from the longer use time that lights at this field would provide. Field time is always required by many groups and we do not always have enough. The addition of lights would provide more use and a better practice location for NYF & cheer. These lights would be on a separate meter and the users of the lights would pay for that energy time required.

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance	300,000					300,000
Total	300,000					300,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Other	300,000					300,000
Total	300,000					300,000

Budget Impact/Other
 NONE - LIGHTING FEES WOULD BE PAID BY THE USER GROUPS.

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Police
 Contact CHIEF MICHAEL KEHOE
 Type Building construction/renovatio
 Useful Life
 Category Buildings
 Priority TBD

Project # **Pol -1**
 Project Name **Police Facility**

Description Total Project Cost: \$500,000
 A comprehensive space needs study was completed and it determined that the police facility at 3 Main St. was inadequate. The current facility no longer fulfills the day to day needs of policing functions for the Town of Newtown. Architectual & Engineering Designs fees are needed to move the project forward.

Justification
 The Police facility was built in 1981 based upon projections that we have far exceeded. The growth of the community and police personnel have made the current facility overcrowded, outdated and inadequate for a modern and professional police agency. The planning of this project started in 2002 with numerous CIP requests for improvements. A comprehensive Space Needs Study and Site Evaluation of 3 Main Street was completed. Monies will be needed to professionally design the building.

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Planning/Design					500,000	500,000
Total					500,000	500,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding					500,000	500,000
Total					500,000	500,000

Budget Impact/Other
 Detailed operational budget impact will be determined closer to project start date.

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Public Works
 Contact FRED HURLEY, DIRECTOR
 Type Road Improvements
 Useful Life
 Category Infrastructure
 Priority TBD

Project # **PW -1**
 Project Name **Capital Road Program**

Description Total Project Cost: \$10,000,000
 Complete reconstruction of aging roads per the current capital road plan.

Justification
 Public safety

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Total	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
General Fund	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Total	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000

Budget Impact/Other
 The budget impact is that the road maintenance costs will be stable. The roads that are improved or replaced cost less to maintain, the roads we don't improve or replace cost more to maintain. So the \$2,000,000 we invest into roads enable us to have stable maintenance costs.

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Public Works
 Contact FRED HURLEY, DIRECTOR
 Type Road Improvements
 Useful Life
 Category Infrastructure
 Priority TBD

Project # **PW -2**
 Project Name **Bridge Replacement Program**

Total Project Cost: \$1,809,000

Description

Bridge replacement per the bridge replacement schedule.

Justification

Public safety

Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Construction/Maintenance	430,000	315,000	300,000	414,000	350,000	1,809,000
Total	430,000	315,000	300,000	414,000	350,000	1,809,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding	430,000	315,000	300,000	414,000	350,000	1,809,000
Total	430,000	315,000	300,000	414,000	350,000	1,809,000

Budget Impact/Other

The budget impact of replacing a bridge (at the right time) is that we avoid large maintenance costs.

**NEWTOWN PUBLIC WORKS
CAPITAL IMPROVEMENT PLAN
FISCAL YEARS 2013/2014 – 2017/2018**

**2013 – 2014
Capital Road**

Major Reconstruction	
Brushy Hill	\$ 300,000
Butterfield Road	\$ 200,000
Riverside Road	\$ 200,000
Eden Hill	\$ 200,000
Platts Hill Road	\$ 200,000
Hundred Acres Road	\$ 200,000

Total Reconstruction \$1,300,000

Major Resurfacing	
Hattertown Road	\$ 175,000
Pole Bridge Road	\$ 100,000

Total Resurfacing \$ 175,000

Walnut Tree Hill Bridge Cost Share	\$ 225,000
Engineering	\$ 50,000
Guiderail	\$ 100,000
Bridge Deck Replacement	\$ 50,000

Total Capital Road **\$2,000,000**

BRIDGES

Poverty Hollow Road Bridge	\$ 430,000
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Total Bridge Replacement **\$430,000**

**\$1,000,000 HAS BEEN
APPROVED IN THE OPERATING
BUDGET FOR THE LAST
SEVERAL YEARS**

**NEWTOWN PUBLIC WORKS
CAPITAL IMPROVEMENT PLAN
FISCAL YEARS 2013/2014 – 2017/2018**

**2014 – 2015
Capital Road**

Major Reconstruction		
Brushy Hill	\$ 300,000	
Butterfield Road	\$ 150,000	
Riverside Road	\$ 300,000	
Hundred Acres Road	\$ 300,000	
Platts Hill Road	\$ 200,000	
Total Reconstruction	\$1,250,000	
Major Resurfacing		
Hanover Road	\$350,000	
Currituck Road	\$300,000	
Total Resurfacing	\$650,000	
Engineering	\$50,000	
Guiderail	\$50,000	
Total Capital Road		\$2,000,000

BRIDGES

Brushy Hill Road Bridge	\$315,000	
Total Bridge Replacement		\$315,000

**NEWTOWN PUBLIC WORKS
CAPITAL IMPROVEMENT PLAN
FISCAL YEARS 2013/2014 – 2017/2018**

2015 – 2016

Capital Road Budget Breakdown

Major Reconstruction		
Brushy Hill	\$ 400,000	
Butterfield Road	\$ 300,000	
Bennetts Bridge	\$ 250,000	
Ox Hill	\$ 300,000	
Hundred Acres Road	\$ 200,000	
Total Reconstruction	\$1,450,000	
Major Resurfacing		
Currituck Road	\$225,000	
New Lebbon Road	\$225,000	
Total Resurfacing	\$450,000	
Engineering	\$ 50,000	
Guiderail	\$ 50,000	
Total Capital Road		\$2,000,000
BRIDGES		
Old Hawleyville Road #2	\$300,000	
Total Bridge Replacement		\$300,000

**NEWTOWN PUBLIC WORKS
CAPITAL IMPROVEMENT PLAN
FISCAL YEARS 2013/2014 – 2017/2018**

**2016 – 2017
Capital Road**

Major Reconstruction		
Birch Hill Road	\$ 350,000	
Pond Brook Road	\$ 550,000	
Hundred Acres	\$ 200,000	
Total Reconstruction	\$1,100,000	
Major Resurfacing		
Jeremiah Road	\$ 350,000	
Great Hill Road	\$ 350,000	
Gelding Hill Road	\$ 100,000	
Total Resurfacing	\$ 800,000	
Engineering	\$ 50,000	
Guide Rail	\$ 50,000	
Total Capital Road		\$2,000,000

BRIDGES

Pond Brook Road	\$414,000	
Total Bridge Replacement		\$414,000

**NEWTOWN PUBLIC WORKS
CAPITAL IMPROVEMENT PLAN
FISCAL YEARS 2013/2014 – 2017/2018**

**2017 – 2018
Capital Road**

Major Reconstruction	
Hopewell Road	\$ 200,000
Alpine Drive	\$ 250,000
Pond Brook	\$ 350,000
Toddy Hill	\$ 300,000
Total Reconstruction	\$1,100,000
Major Resurfacing	
Toddy Hill Road	\$500,000
Taunton Hill Road	\$300,000
Total Resurfacing	\$800,000
Engineering	\$50,000
Guide Rail	\$50,000
Total Capital Road	\$2,000,000

BRIDGES

Old Hawleyville Road #2	\$ 292,000
Bennetts Bridge Road	\$ 333,000
Pond Brook Road	\$ 414,000
Toddy Hill Road	\$1,130,000
Total Bridge Replacement	\$2,169,000

TOWN OF NEWTOWN
MEADOW BROOK ROAD BRIDGE

SEPTEMBER 2009

Revised 1/21/10

Prepared by: Anchor Engineering Services, Inc.

OPINION OF CONSTRUCTION COST

ITEM NO.	CDOT REFERENCE	CONSTRUCTION ITEM	QUANTITY	PAY UNIT	UNIT COST (\$)	TOTAL COST (\$)
1	2.01	CLEARING & GRUBBING	1	LS	4,000.00	4,000.00
2	2.02A	EARTH EXCAVATION	260	CY	25.00	6,500.00
3	2.03	STRUCTURE EXCAVATION - EARTH	380	CY	35.00	13,300.00
4	2.03	STRUCTURE EXCAVATION - ROCK	0	CY	70.00	0.00
5	2.04A	COFFERDAM AND DEWATERING (HANDLING WATER)	1	LS	10,000.00	10,000.00
6	2.07	BORROW	0	CY	25.00	0.00
7	2.09	FORMATION OF SUBGRADE	815	SY	3.00	2,445.00
8	2.12	SUBBASE	275	CY	45.00	12,375.00
9	2.13	GRANULAR FILL (CRUSHED STONE)	55	CY	45.00	2,475.00
10	2.16	PERVIOUS STRUCTURE BACKFILL	230	CY	35.00	8,050.00
11	2.19	SEDIMENTATION CONTROL SYSTEM (SILT FENCE)	550	LF	4.00	2,200.00
12	3.02	ROLLED GRANULAR BASE	0	CY	60.00	0.00
13	3.04	PROCESSED AGGREGATE BASE	86	TON	40.00	3,440.00
14	4.06	BITUMINOUS CONCRETE CLASS 1	100	TON	100.00	10,000.00
15	4.06	BITUMINOUS CONCRETE CLASS 2	90	TON	100.00	9,000.00
16	4.06	BITUMINOUS CONCRETE CLASS 12	5	TON	100.00	500.00
17	4.06	SAWING & SEALING JOINTS	120	LF	10.00	1,200.00
18	5.03	REMOVAL OF SUPERSTRUCTURE (CMP ARCH, STONE & CONC. PARAPETS)	1	LS	10,000.00	10,000.00
19	5.07	REMOVAL OF EXISTING STORM DRAINAGE	1	LS	1,000.00	1,000.00
20	5.07	TYPE "C" CATCH BASIN	2	EA	2,000.00	4,000.00
21	5.07	TYPE "CL" CATCH BASIN	1	EA	1,800.00	1,800.00
23	6.01A	PRECAST CONCRETE BOX CULVERT (12' WIDE X 8' RISE)	60	LF	1,250.00	75,000.00
24	6.01	CONCRETE (CLASS "A")	75	CY	700.00	52,500.00
25	6.01	CONCRETE (CLASS "F")	4	CY	1,200.00	4,800.00
26	6.02	DEFORMED STEEL BARS	4650	LB	2.00	9,300.00
27	6.02	DEFORMED STEEL BARS - EPOXY COATED	700	LB	2.25	1,575.00
28	6.51	12" HDPE PIPE	12	LF	55.00	660.00
29	6.51	15" HDPE PIPE	129	LF	70.00	9,030.00
30	6.51	42" RC PIPE	33	LF	225.00	7,425.00
31	6.51	42" RC CULVERT END	2	EA	2,100.00	4,200.00
32	7.03	INTERMEDIATE RIPRAP	38	CY	80.00	3,040.00
33	7.07	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	102	SY	40.00	4,080.00
34	7.08	DAMP PROOFING	46	SY	25.00	1,150.00
35	7.25	BAGGED STONE	32	CF	15.00	480.00
36	8.15	BITUMINOUS CONCRETE CURBING	190	LF	5.00	950.00
37	9.04	METAL BRIDGE RAIL	102	LF	100.00	10,200.00
38	9.10	METAL BEAM RAIL R-B 350	106	LF	30.00	3,180.00
39	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE I	4	EA	1,000.00	4,000.00
40	9.50	TURF ESTABLISHMENT	445	SY	2.00	890.00
41	9.71A	MAINTENANCE & PROTECTION OF TRAFFIC	1	LS	5,000.00	5,000.00
42	9.74	REMOVAL OF EXISTING MASONRY (SUBSTRUCTURE - CONCRETE & STONE MASONRY)	20	CY	350.00	7,000.00
43	9.75	MOBILIZATION	1	LS	10,000.00	10,000.00
44	9.80	CONSTRUCTION STAKING	1	LS	3,000.00	3,000.00
45	12.08	SIGN FACE SHEET ALUMINUM	0	SF	60.00	0.00
46	12.09	PAINTED PAVEMENT MARKINGS	315	LF	2.00	630.00
SUB-TOTAL						320,375.00
10% CONTINGENCY AND INCIDENTAL ITEMS						32,037.50
TOTAL OPINION OF CONSTRUCTION COST ESTIMATE						352,412.50

USE \$353,000

TOWN OF NEWTOWN
BRUSHY HILL ROAD BRIDGE

ATTACHMENT TO PW - 1 & 2

MARCH 2009

Prepared by: Anchor Engineering Services, Inc.

OPINION OF CONSTRUCTION COST - DRAFT PLAN SUBMISSION 3/13/09

ITEM NO.	CDOT REFERENCE	CONSTRUCTION ITEM	QUANTITY	PAY UNIT	UNIT COST (\$)	TOTAL COST (\$)
1	2.01	CLEARING & GRUBBING	1	LS	4,000.00	4,000.00
2	2.02A	EARTH EXCAVATION (STREAMBED CHANNEL LINING & ROADWAY)	300	CY	25.00	7,500.00
3	2.03	STRUCTURE EXCAVATION - EARTH	455	CY	35.00	15,925.00
4	2.04A	COFFERDAM AND DEWATERING (HANDLING WATER)	1	LS	10,000.00	10,000.00
5	2.05	TRENCH EXCAVATION	65	CY	25.00	1,625.00
6	2.09	FORMATION OF SUBGRADE	750	SY	3.00	2,250.00
7	2.12	SUBBASE	250	CY	45.00	11,250.00
8	2.13	GRANULAR FILL (CRUSHED STONE)	65	CY	45.00	2,925.00
9	2.16	PERVIOUS STRUCTURE BACKFILL	155	CY	35.00	5,425.00
10	2.19	SEDIMENTATION CONTROL SYSTEM (SILT FENCE AND/OR HAYBALES)	250	LF	4.00	1,000.00
11	3.04	PROCESSED AGGREGATE BASE	80	TON	40.00	3,200.00
12	4.06	BITUMINOUS CONCRETE CLASS 1	95	TON	100.00	9,500.00
13	4.06	BITUMINOUS CONCRETE CLASS 2	85	TON	100.00	8,500.00
14	4.06	BITUMINOUS CONCRETE CLASS 12	5	TON	100.00	500.00
15	4.06	SAWING & SEALING JOINTS	250	LF	10.00	2,500.00
16	5.03	REMOVAL OF SUPERSTRUCTURE (EXISTING SUPERSTRUCTURE)	1	LS	5,000.00	5,000.00
17	6.01A	PRECAST CONCRETE BOX CULVERTS (12' WIDE X 6' RISE)	60.5	LF	1,000.00	60,500.00
18	6.01	CONCRETE (CLASS "A")	70	CY	700.00	49,000.00
19	6.01	CONCRETE (CLASS "F")	5	CY	1,200.00	6,000.00
20	6.02	DEFORMED STEEL BARS	4200	LB	2.00	8,400.00
21	6.02	DEFORMED STEEL BARS - EPOXY COATED	900	LB	2.25	2,025.00
22	6.51A	18" HIGH DENSITY POLYETHYLENE PIPE (HDPE)	100	LF	45.00	4,500.00
23	7.03	INTERMEDIATE RIPRAP	25	CY	80.00	2,000.00
24	7.07	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	95	SY	40.00	3,800.00
25	7.08	DAMP PROOFING	40	SY	25.00	1,000.00
26	7.25	BAGGED STONE	32	CF	15.00	480.00
27	9.04	METAL BRIDGE RAIL	101	LF	100.00	10,100.00
28	9.10	METAL BEAM RAIL R-B 350	75	LF	30.00	2,250.00
29	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE II	4	EA	1,000.00	4,000.00
30	9.12	REMOVE SINGLE POST	19	EA	25.00	475.00
31	9.22	BITUMINOUS CONCRETE DRIVEWAY	215	SY	40.00	8,600.00
32	9.50	TURF ESTABLISHMENT	550	SY	2.00	1,100.00
33	9.71	MAINTENANCE & PROTECTION OF TRAFFIC	1	LS	5,000.00	5,000.00
34	9.74	REMOVAL OF EXISTING MASONRY (EXISTING SUBSTRUCTURE)	30	CY	350.00	10,500.00
35	9.75	MOBILIZATION	1	LS	10,000.00	10,000.00
36	9.80	CONSTRUCTION STAKING	1	LS	3,000.00	3,000.00
37	12.09	PAINTED PAVEMENT MARKINGS	260	LF	2.00	520.00
SUB-TOTAL						284,350.00
10% CONTINGENCY AND INCIDENTAL ITEMS						28,435.00
TOTAL OPINION OF CONSTRUCTION COST ESTIMATE						312,785.00

USE **\$313,000**

TOWN OF NEWTOWN
OLD HAWLEYVILLE ROAD #2 BRIDGE

FEBRUARY 2009

Prepared by: Anchor Engineering Services, Inc.

OPINION OF CONSTRUCTION COST - DRAFT PLAN SUBMISSION 2/27/09

ITEM NO.	CDOT REFERENCE	CONSTRUCTION ITEM	QUANTITY	PAY UNIT	UNIT COST (\$)	TOTAL COST (\$)
1	2.01	CLEARING & GRUBBING	1	LS	4,000.00	4,000.00
2	2.02A	EARTH EXCAVATION (STREAMBED CHANNEL LINING & ROADWAY)	240	CY	25.00	6,000.00
3	2.03	STRUCTURE EXCAVATION - EARTH	460	CY	35.00	16,100.00
4	2.04A	COFFERDAM AND DEWATERING (HANDLING WATER)	1	LS	15,000.00	15,000.00
5	2.09	FORMATION OF SUBGRADE	700	SY	3.00	2,100.00
6	2.12	SUBBASE	235	CY	45.00	10,575.00
7	2.13	GRANULAR FILL (CRUSHED STONE)	55	CY	45.00	2,475.00
8	2.16	PERVIOUS STRUCTURE BACKFILL	100	CY	35.00	3,500.00
9	2.19	SEDIMENTATION CONTROL SYSTEM (SILT FENCE AND/OR HAYBALES)	360	LF	4.00	1,440.00
10	3.02	ROLLED GRANULAR BASE	20	CY	45.00	900.00
11	3.04	PROCESSED AGGREGATE BASE	75	TON	40.00	3,000.00
12	4.06	BITUMINOUS CONCRETE CLASS 1	90	TON	100.00	9,000.00
13	4.06	BITUMINOUS CONCRETE CLASS 2	80	TON	100.00	8,000.00
14	4.06	BITUMINOUS CONCRETE CLASS 12	4	TON	100.00	400.00
15	4.06	SAWING & SEALING JOINTS	140	LF	10.00	1,400.00
16	5.03	REMOVAL OF SUPERSTRUCTURE (EXISTING SUPERSTRUCTURE)	1	LS	5,000.00	5,000.00
17	6.01A	PRECAST CONCRETE BOX CULVERTS (12' WIDE X 5' RISE)	53	LF	950.00	50,350.00
18	6.01A	PRECAST CONCRETE SLOPED END CULVERTS (12' WIDE X 5' RISE)	11	LF	950.00	10,450.00
19	6.01	CONCRETE (CLASS "A")	60	CY	700.00	42,000.00
20	6.01	CONCRETE (CLASS "F")	8	CY	1,200.00	9,600.00
21	6.02	DEFORMED STEEL BARS	3900	LB	2.00	7,800.00
22	6.02	DEFORMED STEEL BARS - EPOXY COATED	1000	LB	2.25	2,250.00
23	7.03	INTERMEDIATE RIPRAP	25	CY	80.00	2,000.00
24	7.07	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	75	SY	40.00	3,000.00
25	7.08	DAMP PROOFING	30	SY	25.00	750.00
26	7.25	BAGGED STONE	32	CF	15.00	480.00
27	9.04	METAL BRIDGE RAIL	94	LF	100.00	9,400.00
28	9.10	METAL BEAM RAIL R-B 350	115	LF	30.00	3,450.00
29	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE I	2	EA	1,000.00	2,000.00
30	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE II	2	EA	1,000.00	2,000.00
31	9.22	BITUMINOUS CONCRETE DRIVEWAY	25	SY	40.00	1,000.00
32	9.50	TURF ESTABLISHMENT	320	SY	2.00	640.00
33	9.71	MAINTENANCE & PROTECTION OF TRAFFIC	1	LS	5,000.00	5,000.00
34	9.74	REMOVAL OF EXISTING MASONRY (EXISTING SUBSTRUCTURE)	30	CY	350.00	10,500.00
35	9.75	MOBILIZATION	1	LS	10,000.00	10,000.00
36	9.80	CONSTRUCTION STAKING	1	LS	3,000.00	3,000.00
37	12.09	PAINTED PAVEMENT MARKINGS	312	LF	2.00	624.00
SUB-TOTAL						265,184.00
10% CONTINGENCY AND INCIDENTAL ITEMS						26,518.40
TOTAL OPINION OF CONSTRUCTION COST ESTIMATE						291,702.40

USE \$292,000

TOWN OF NEWTOWN
POND BROOK ROAD BRIDGE

ATTACHMENT TO PW - 1 & 2

JULY 2009

Prepared by: Anchor Engineering Services, Inc.

OPINION OF CONSTRUCTION COST - DRAFT PLAN SUBMISSION 7/14/09

ITEM NO.	CDOT REFERENCE	CONSTRUCTION ITEM	QUANTITY	PAY UNIT	UNIT COST (\$)	TOTAL COST (\$)
1	2.01	CLEARING & GRUBBING	1	LS	4,000.00	4,000.00
2	2.02	EARTH EXCAVATION	135	CY	25.00	3,375.00
3	2.02A	CHANNEL EXCAVATION	75	CY	50.00	3,750.00
4	2.03	STRUCTURE EXCAVATION - EARTH	400	CY	35.00	14,000.00
5	2.03	STRUCTURE EXCAVATION - ROCK	3	CY	100.00	300.00
6	2.04A	COFFERDAM AND DEWATERING (HANDLING WATER)	1	LS	15,000.00	15,000.00
7	2.09	FORMATION OF SUBGRADE	355	SY	3.00	1,065.00
8	2.12	SUBBASE	140	CY	45.00	6,300.00
9	2.13	GRANULAR FILL (CRUSHED STONE)	5	CY	45.00	225.00
10	2.16	PERVIOUS STRUCTURE BACKFILL	200	CY	35.00	7,000.00
11	2.19	SEDIMENTATION CONTROL SYSTEM (SILT FENCE AND/OR HAYBALES)	215	LF	4.00	860.00
12	3.04	PROCESSED AGGREGATE BASE	50	TON	40.00	2,000.00
13	4.06	BITUMINOUS CONCRETE CLASS 1	55	TON	100.00	5,500.00
14	4.06	BITUMINOUS CONCRETE CLASS 2	45	TON	100.00	4,500.00
15	4.06	BITUMINOUS CONCRETE CLASS 12	6	TON	100.00	600.00
16	5.03	REMOVAL OF SUPERSTRUCTURE (EXISTING SUPERSTRUCTURE)	1	LS	8,000.00	8,000.00
17	5.14	PRESTRESSED DECK UNITS	294	LF	200.00	58,800.00
18	6.14A	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	47	LF	125.00	5,875.00
19	5.21	ELASTOMERIC BEARING PADS	1134	CF	2.00	2,268.00
20	6.01	CONCRETE (CLASS 'A')	200	CY	700.00	140,000.00
21	6.01	CONCRETE (CLASS 'F')	7	CY	1,200.00	8,400.00
22	6.02	DEFORMED STEEL BARS	4800	LB	2.00	9,600.00
23	6.02	DEFORMED STEEL BARS - EPOXY COATED	1700	LB	2.25	3,825.00
24	6.02	DOWEL BAR SPLICER SYSTEM - EPOXY COATED	160	EA	30.00	4,800.00
25	7.03	INTERMEDIATE RIPRAP	35	CY	80.00	2,800.00
26	7.07	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	140	SY	40.00	5,600.00
27	7.08	DAMPPROOFING	40	SY	25.00	1,000.00
28	7.25	BAGGED STONE	32	CF	15.00	480.00
29	9.04	METAL BRIDGE RAIL	150	LF	100.00	15,000.00
30	9.10	METAL BEAM RAIL R-B 350	110	LF	30.00	3,300.00
31	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE I	2	EA	1,000.00	2,000.00
32	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE II	1	EA	1,000.00	1,000.00
33	9.11A	METAL BEAM RAIL TERMINAL ELEMENT	1	EA	100.00	100.00
34	9.22	BITUMINOUS CONCRETE DRIVEWAY	25	SY	40.00	1,000.00
35	9.50	TURF ESTABLISHMENT	160	SY	2.00	320.00
36	9.71	MAINTENANCE & PROTECTION OF TRAFFIC	1	LS	5,000.00	5,000.00
37	9.74	REMOVAL OF EXISTING MASONRY (EXISTING SUBSTRUCTURE)	45	CY	350.00	15,750.00
38	9.75	MOBILIZATION	1	LS	10,000.00	10,000.00
39	9.80	CONSTRUCTION STAKING	1	LS	3,000.00	3,000.00
40	12.09	PAINTED PAVEMENT MARKINGS	210	LF	2.00	420.00
SUB-TOTAL						377,013.00
10% CONTINGENCY AND INCIDENTAL ITEMS						37,701.30
TOTAL OPINION OF CONSTRUCTION COST ESTIMATE						414,714.30

USE \$415,000

TOWN OF NEWTOWN
BENNETT'S BRIDGE ROAD BRIDGE

JUNE 2009

DRAFT

Prepared by: Anchor Engineering Services, Inc.

OPINION OF CONSTRUCTION COST - DRAFT PLAN SUBMISSION 6/16/09

ITEM NO.	CDOT REFERENCE	CONSTRUCTION ITEM	QUANTITY	PAY UNIT	UNIT COST (\$)	TOTAL COST (\$)
1	2.01	CLEARING & GRUBBING	1	LS	4,000.00	4,000.00
2	2.02A	EARTH EXCAVATION	250	CY	25.00	6,250.00
3	2.03	STRUCTURE EXCAVATION - EARTH	400	CY	35.00	14,000.00
4	2.03	STRUCTURE EXCAVATION - ROCK	75	CY	70.00	5,250.00
5	2.04A	COFFERDAM AND DEWATERING (HANDLING WATER)	1	LS	10,000.00	10,000.00
6	2.07	BORROW	0	CY	25.00	0.00
7	2.09	FORMATION OF SUBGRADE	750	SY	3.00	2,250.00
8	2.12	SUBBASE	250	CY	45.00	11,250.00
9	2.13	GRANULAR FILL (CRUSHED STONE)	45	CY	45.00	2,025.00
10	2.16	PERVIOUS STRUCTURE BACKFILL	340	CY	35.00	11,900.00
11	2.19	SEDIMENTATION CONTROL SYSTEM (SILT FENCE)	450	LF	4.00	1,800.00
12	3.02	ROLLED GRANULAR BASE	9	CY	60.00	540.00
13	3.04	PROCESSED AGGREGATE BASE	80	TON	40.00	3,200.00
14	4.06	BITUMINOUS CONCRETE CLASS 1	87	TON	100.00	8,700.00
15	4.06	BITUMINOUS CONCRETE CLASS 2	66	TON	100.00	6,600.00
16	4.06	BITUMINOUS CONCRETE CLASS 12	2	TON	100.00	200.00
17	4.06	SAWING & SEALING JOINTS	44	LF	10.00	440.00
18	5.03	REMOVAL OF SUPERSTRUCTURE (REINF. CONC. DECK & CONC. PARAPETS)	1	LS	6,500.00	6,500.00
19	5.07	REMOVAL OF EXISTING STORM DRAINAGE	1	LS	500.00	500.00
20	5.07	TYPE "C" CATCH BASIN	2	EA	2,000.00	4,000.00
21	5.07	CONVERT TYPE "C" CATCH BASIN TO TYPE "CL"	1	EA	1,000.00	1,000.00
22	5.07	CONVERT CATCH BASIN TO MANHOLE	1	EA	1,200.00	1,200.00
23	6.01A	PRECAST CONCRETE BOX CULVERT (12' WIDE X 10' RISE)	26.5	LF	1,250.00	33,125.00
24	6.01	CONCRETE (CLASS "A")	115	CY	700.00	80,500.00
25	6.01	CONCRETE (CLASS "F")	4	CY	1,200.00	4,800.00
26	6.02	DEFORMED STEEL BARS	6930	LB	2.00	13,860.00
27	6.02	DEFORMED STEEL BARS - EPOXY COATED	430	LB	2.25	967.50
28	6.51	15" RC PIPE	47	LF	80.00	3,760.00
29	6.51	36" RC PIPE	10	LF	200.00	2,000.00
30	7.03	INTERMEDIATE RIPRAP	65	CY	80.00	5,200.00
31	7.07	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	42	SY	40.00	1,680.00
32	7.08	DAMP PROOFING	86	SY	25.00	2,150.00
33	7.25	BAGGED STONE	32	CF	15.00	480.00
34	9.04	METAL BRIDGE RAIL	95	LF	100.00	9,500.00
35	9.10	METAL BEAM RAIL R-B 350	38	LF	30.00	1,140.00
36	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE I	3	EA	1,000.00	3,000.00
37	9.11	METAL BEAM RAIL R-B 350 END ANCHORAGE TYPE II	1	EA	1,000.00	1,000.00
38	9.50	TURF ESTABLISHMENT	240	SY	2.00	480.00
39	9.71A	MAINTENANCE & PROTECTION OF TRAFFIC	1	LS	5,000.00	5,000.00
40	9.74	REMOVAL OF EXISTING MASONRY (SUBSTRUCTURE - CONCRETE MASONRY)	37	CY	350.00	12,950.00
41		REMOVE & PROTECT STONE WALLS	1	LS	5,000.00	5,000.00
42	9.75	MOBILIZATION	1	LS	10,000.00	10,000.00
43	9.80	CONSTRUCTION STAKING	1	LS	3,000.00	3,000.00
44	12.08	SIGN FACE SHEET ALUMINUM	17	SF	60.00	1,020.00
45	12.09	PAINTED PAVEMENT MARKINGS	295	LF	2.00	590.00
SUB-TOTAL						302,217.50
10% CONTINGENCY AND INCIDENTAL ITEMS						30,221.75
TOTAL OPINION OF CONSTRUCTION COST ESTIMATE						332,439.25

USE \$333,000

Capital Improvement Plan
Town of Newtown, Connecticut

'13/'14 thru '17/'18

Department Senior Center
 Contact
 Type Unassigned
 Useful Life
 Category Buildings
 Priority TBD

Project # **SR CTR-1**
 Project Name **New Senior Center**

Description Total Project Cost: \$500,000
 Construct a new Senior Center. Location to be determined.

Justification
 Growing senior population justifies a larger building for senior services

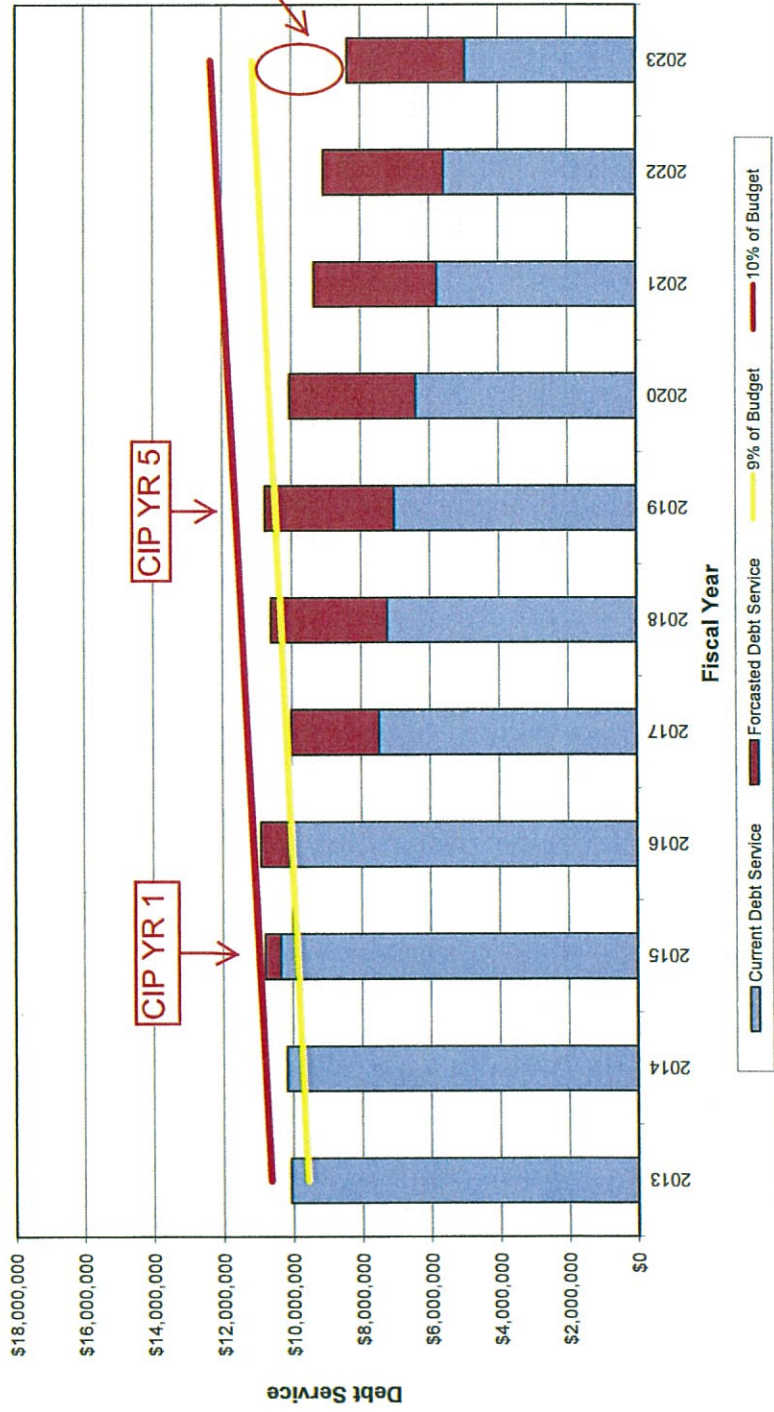
Expenditures	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Planning/Design				500,000		500,000
Total				500,000		500,000

Funding Sources	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	Total
Bonding				500,000		500,000
Total				500,000		500,000

Budget Impact/Other
 Budget impact to be determined. A larger building to accommodate a larger population will result in higher operational expenses (utilities, janitorial etc.)

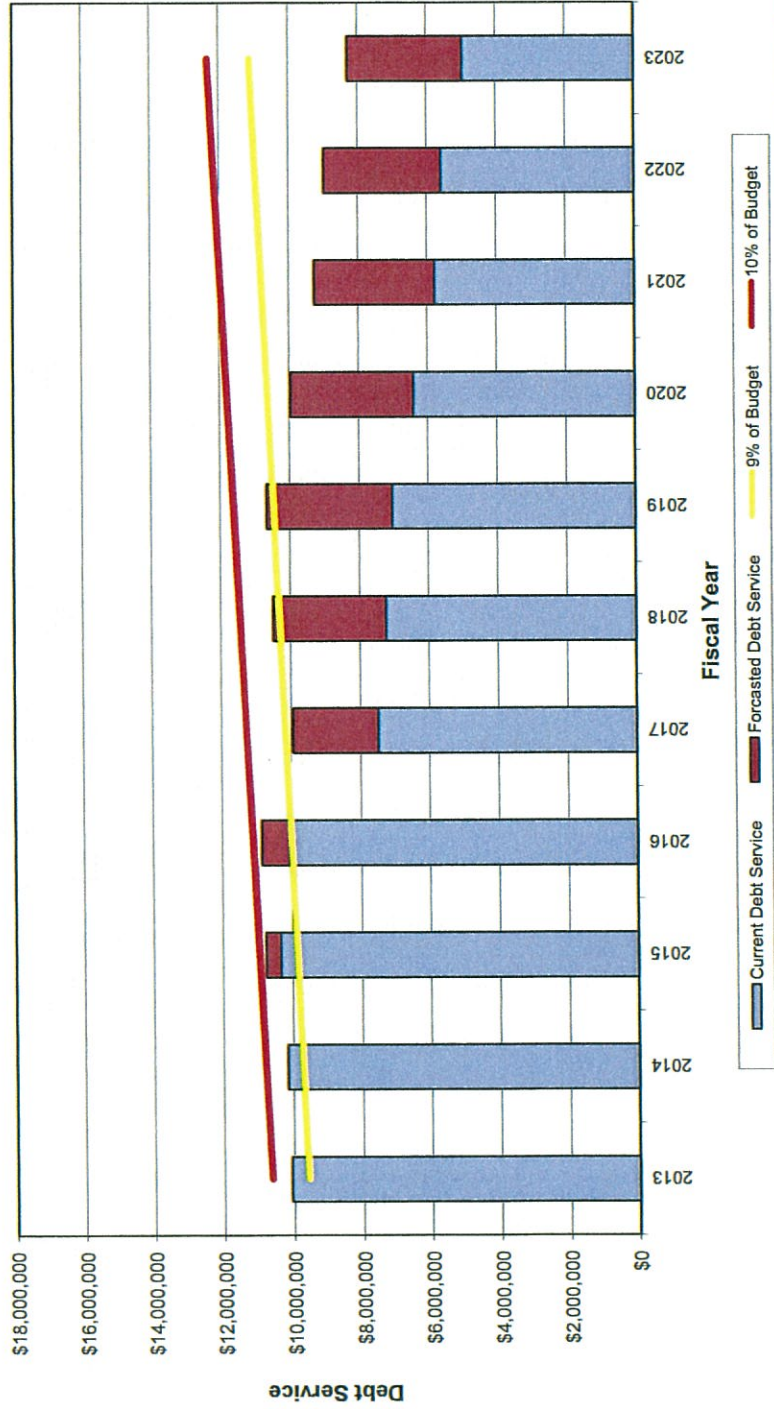
SEE DATA ASSUMPTIONS FOR BUDGET GROWTH AND BOND INTEREST RATES

**TOWN OF NEWTOWN
2013 - 14 TO 2017-18 CIP EFFECT ON FUTURE DEBT SERVICE**



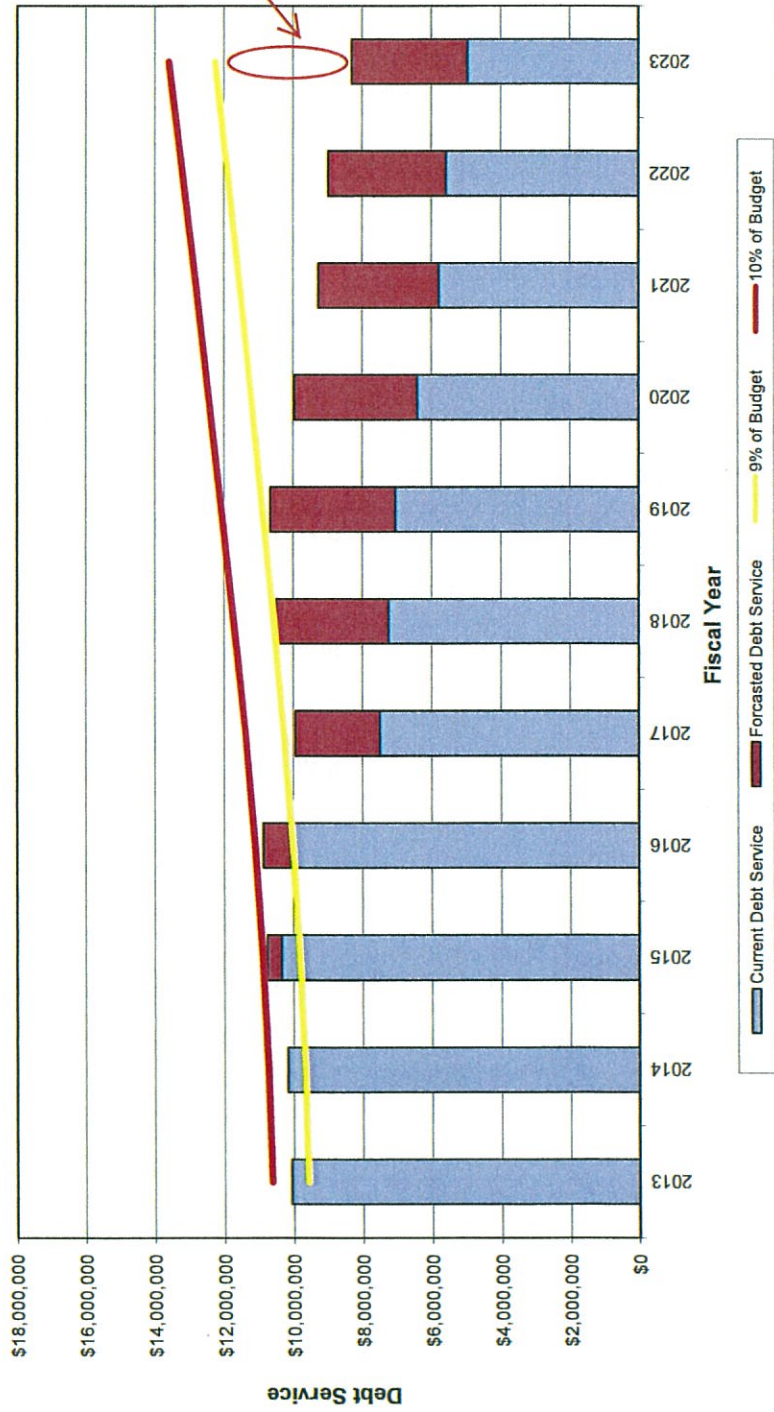
SEE DATA ASSUMPTIONS FOR BUDGET GROWTH AND BOND INTEREST RATES

**TOWN OF NEWTOWN
2013 - 14 TO 2017-18 CIP EFFECT ON FUTURE DEBT SERVICE**



SEE DATA ASSUMPTIONS FOR BUDGET GROWTH AND BOND INTEREST RATES

**TOWN OF NEWTOWN
2013 - 14 TO 2017-18 CIP EFFECT ON FUTURE DEBT SERVICE**



CAPACITY FOR FUTURE PROJECTS INCREASED

