

Town of Ellington

Capital Improvements



Fiscal Year 2023-24

Town of Ellington
Capital Improvements Fiscal Year 2023-24
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TOWN OF ELLINGTON FIRST SELECTMAN'S OFFICE



MEMO

Date: October 13, 2022

To: Agency Chairpersons and Department Heads

From: Lori L. Spielman, First Selectman

Subject: 2023-2024 Capital Improvements Budget Requests
2023 Meeting Schedules

2023-2024 Capital Improvements Budget Requests: Due Tuesday, November 15, 2022.

Attached are the Capital Improvements Program Policy & Procedure and the Capital Improvement Survey Form to be used for budget request submittals. Include as much detail as possible in preparing Capital Improvement Budget requests. **Please be advised that a current quote must be included with Capital Improvement Program Survey forms when submitting a Capital Improvement budget request. Submissions received without the current quote will be returned to the Department Head.**

The deadline for submittal of Capital Improvement requests is **Tuesday, November 15, 2022**. Please fill out the attached Survey Form (*which is writeable and will auto-sum*) and email it, along with the corresponding quote, no later than this deadline to:

| | |
|----------------------|--|
| Felicia LaPlante at | flaplante@ellington-ct.gov and |
| Tiffany Pignataro at | tpignataro@ellington-ct.gov and |
| Lori Spielman at | lspielman@ellington-ct.gov |

2023 Committee/Commission/Agency Meeting Schedule – Due Thursday, December 1, 2022:

In accordance with CT State Statutes, **every Town Agency is required to file** a schedule of regular meetings for the ensuing year **with the Town Clerk**; and no such meeting of any such public agency shall be held any sooner than thirty days after such schedule has been filed. Please be advised that compliance with this regulation is required in order to continue the regular operation of the Town's boards, agencies and commissions. Since no meeting may be held any sooner than thirty days after the schedule has been filed, **please file your 2023 Meeting Schedule with the Town Clerk no later than Thursday, December 1, 2022.**

Attached is a list of the 2023 holidays that will be observed by the Town of Ellington. No agency shall meet on any of the designated holidays. No meetings are scheduled at Town Hall on Friday

evenings. **Per Town Charter, no meetings may be held on the evening of the Annual Town Budget Meeting which is Tuesday, May 9, 2023.**

FREEDOM OF INFORMATION ACT [FOIA]:

Please be reminded that any Town of Ellington “public agency” must file an agenda and minutes of its meetings with the Town Clerk. The FOIA definition of "PUBLIC AGENCY" for purposes of complying with the FOIA law includes: *ANY COMMITTEE, SUBDIVISION, AGENCY, DEPARTMENT, INSTITUTION, BUREAU, BOARD OR COMMISSION OF STATE AND LOCAL GOVERNMENT.*

We appreciate receiving copies of all agendas and minutes. This procedure has allowed the First Selectman's Office to be kept informed of important Town deliberations.

Thank you all for your continued support.

Attachments

cc: Board of Selectmen
Dr. Scott Nicol, Superintendent of Schools
Tiffany Pignataro, Finance Officer/Treasurer
Felicia LaPlante, Assistant Finance Officer/Treasurer

TOWN OF ELLINGTON CAPITAL IMPROVEMENTS PROGRAM

Policy & Procedure

1. Charter Requirements:

In accordance with Section 504 of the Charter the Board of Selectmen (BOS) is required to prepare a Capital Improvements Program for the town on an annual basis.

“...Board of Selectmen shall present to the Board of Finance a program concerning municipal improvements of proposed capital projects for the ensuing fiscal year and for five (5) fiscal years thereafter. Estimates of the costs of such projects shall be submitted to the Board of Selectmen by each department, office and agency annually by December 1,”

2. Purpose:

The Capital Improvements Program is a planning tool used on an annual basis to evaluate the adequacy of existing facilities and to project the timely replacement of public safety equipment. In evaluating the needs of the town in terms of major public improvements the entire range of public facilities and service requirements must be reviewed. All town agencies and departments are requested to submit requests for Capital Improvements Projects. The planning period is to be no less than six years and can be as many as twenty years into the future.

3. Benefits:

Long-range planning to responsibly assess the Town's needs for major public improvements:

- a. Stabilization of the Tax Rate** - A Capital Improvements Program helps the town avoid a dramatically fluctuating tax rate by scheduling capital improvements of a lower priority or developing projects in annual phases. A Capital Improvements Program enables a town to determine the impact new capital improvements will have upon the operating budget and what the appropriate mix of financing should be.
- b. Anticipation of Service Problems and Needs** - A Capital Improvements Program enables a community to anticipate future service needs and problems and potential service interruptions before they occur.
- c. Managing Development** - By directing the placement of capital improvements such as water and sewer extensions, purchases of conservation land, street paving, etc., officials can influence the development and redevelopment of various parts of the community.
- d. Coordination of Projects** - A Capital Improvements Program enables the coordination of the activities of municipal agencies. Such coordination helps eliminate duplication, delays, and conflicts in programs and construction schedules.
- e. Improvement of Management Practices** - Use of a Capital Improvements Program encourages the systematic analysis of needs, resources, and solutions to local problems.

4. Statement of Official Policy:

Definition - AN ITEM VALUED AT \$20,000 OR MORE THAT ADDS TO OR SUSTAINS THE FIXED ASSET INVENTORY OF THE TOWN AND HAS A LIFE EXPECTANCY OF FIVE YEARS OR MORE.

A Capital Improvement Project requires an expenditure of public funds, over and above annual operating expenses, for the purchase, construction, or replacement of the physical assets of the town. In accordance with the State of Connecticut State Statutes a Capital Improvement Project is described as a “major improvement” or betterment, of a non-recurring nature, to the physical plant of the municipality, as differentiated from ordinary repairs or maintenance of a recurring nature.”

5. Budget Request Procedure/Schedule:

| | |
|---|--|
| <i>December 1</i> | Due date for Capital Improvement Budget Requests to be submitted to the BOS. |
| <i>January</i> | BOS Capital Improvements Committee (CIC) holds Capital Improvement Budget requests hearing(s) for presentation of requests. |
| | BOS meets to discuss Capital Improvements Budget requests/recommendations of CIC. |
| <i>No later than last Tuesday in February</i> | BOS shall recommend to the BOF, at BOF meeting, the Capital Improvement Projects to be undertaken. |
| <i>No later than March 15</i> | Finance Officer presents budget to Board of Finance. |
| <i>Prior to March 31</i> | BOF holds budget hearings for boards, agencies and commissions at Town Hall. |
| <i>2nd Tuesday in April</i> | Public Hearing on the budget at High School Auditorium. |
| <i>Thursday after 2nd Tuesday in April</i> | BOF budget deliberations. |
| <i>Within 15 days of Public Hearing</i> | BOF recommend a budget which includes Capital Improvements Projects. |
| <i>At least 5 days before Town Meeting</i> | BOF publish budget recommendations in newspaper and make copies available in Town Clerk’s office. |
| <i>2nd Tuesday in May</i> | Annual Town Budget Meeting - High School Auditorium |

6. Capital Improvement Appropriation Procedure:

According to the procedure that has been followed by the Town of Ellington, each Capital Improvement Project included in the Annual Town Budget Document must be again approved by the requesting agency with specifications and an estimated budget for the

project. BOS, BOF, Planning and Zoning Commission (PZC) and Town Meeting approvals must be secured for projects that are to be bonded (road construction, site acquisition, building construction, major building repairs, etc.)

| Authorization to Expend: | |
|---|--|
| <i>Approval by Requesting Agency (30 days)</i> | Capital Projects are subject to the bidding procedures and accordingly specifications are required in order to have the project put out to bid. These specifications are developed and provided by the requesting agency and submitted to the Finance Officer for review and final approval. |
| <i>Approval by BOS, BOF, PZC & Town Meeting (90 days)</i> | Upon appropriate approvals, the Town Attorney reviews the bid documents. The Finance Officer prepares to put the specific project out to bid (with BOS and BOF concurrence a Capital Improvement Project can be put out to bid without an appropriation being in place as long as the legal notice stipulates that funding has not been approved). The bidding process requires at least ten days public notice plus preparation time. |
| Bidding Process: | |
| <i>Requesting Agency Recommendation (30 days)</i> | The requesting agency, by resolution, recommends award of the bid for the specific Capital Improvement Project to the BOS. |
| <i>Award of Bid (30 to 90 days)</i> | The BOS, by resolution, awards the bid as recommended by the requesting agency. |
| <i>Consultant Services (See Above)</i> | Should the Capital Improvement Project be of such magnitude that a consultant needs to be hired to prepare specifications, then a contract and budget is required for the consultant as well. The requesting agency or BOS may require that the bidding procedure be used to select a consultant. |
| <i>Waiving Bidding Procedure</i> | Should the requesting agency ask that the bidding procedure be waived by the BOS, specific reasons stating why it would be in the best interest of the town to do so must be presented in the form of a resolution to the BOS. |

7. Priority:

- | | | |
|-----|----------------------|--|
| [1] | Committed Projects: | Projects already in progress or for which Town Meeting approval has already been received. |
| [2] | Urgent Projects: | Projects which will eliminate a PROVEN or OBVIOUS hazard to public health or safety. |
| [3] | Needed Projects: | Projects which are needed to replace unsatisfactory conditions in existing facilities or projects which are needed to provide minimum services. |
| [4] | Desirable Projects: | Projects which will result in reduced operating costs and projects which will eliminate a POTENTIAL hazard to public health or safety, or will eliminate a nuisance condition. |
| [5] | Acceptable Projects: | Projects to provide a new facility or asset, or to improve an existing standard of service. |

8. Form:

Capital Improvement Program Survey Form (see attached).

Approved BOS: 11/18/1985
Revised BOS: 10/24/1988
Revised BOS: 09/15/2014
Revised BOS: 04/11/2022

| | 2022-23 | 2022-23 | 2022-23 | COST | 2023-24 | 2023-24 | 2023-24 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | | |
|--|-----------------|-------------------|--------------|----------------------|-------------------------|--------------------------|--------------------------|--------------|---|---------|-----------|---------|---------|--|--|
| BOARD OF SELECTMEN | | BOS | | | | | | | CAPITAL IMPROVEMENTS BUDGET REQUEST 2022-23 | | | | | | |
| APPROVED CAPITAL IMPROVEMENT BUDGET- 2023-24 | | Approved Requests | | | | APPROVED BOS CAP | BOS APPROVED CAP IMP | BOF APPROVED | | | | | | | |
| | Budget Requests | Cap Non-Recur | BOF APPROVED | TOTAL ESTIMATED COST | BUDGET REQUESTS 2023-24 | IMP COM PROJECTS 2023-24 | CAP IMP PROJECTS 2023-24 | | | | | | | | |
| Amounts shown in dollars | 2022-23 | 2022-23 | 2022-23 | COST | 2023-24 | 2023-24 | 2023-24 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | | |
| ROAD CONSTRUCTION | | | | | | | | | | | | | | | |
| Road Overlay | 650,000 | 650,000 | 650,000 | 3,900,000 | 650,000 | | | | 650,000 | 650,000 | 650,000 | 650,000 | 650,000 | | |
| Local Capital Improvement Program | 108,005 | 108,005 | 108,297 | 108,297 | 108,297 | | | | - | - | - | - | - | | |
| Unimproved Road Improvement | 30,000 | 30,000 | 30,000 | 180,000 | 30,000 | | | | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | | |
| Sidewalks | - | | | 300,000 | 100,000 | | | | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | | |
| Traffic Calming | - | | | 20,000 | - | | | | - | - | 20,000 | - | - | | |
| Large/Small Bridges | 30,000 | 30,000 | 30,000 | 260,000 | 30,000 | | | | 140,000 | 30,000 | 30,000 | 30,000 | - | | |
| Total | 818,005 | 818,005 | 818,297 | 4,768,297 | 918,297 | - | - | - | 860,000 | 750,000 | 770,000 | 750,000 | 720,000 | | |
| SITE ACQUISITION | | | | | | | | | | | | | | | |
| FS - Real Estate Purchase | - | - | - | 150,000 | 50,000 | | | | - | 50,000 | - | 50,000 | - | | |
| Total | - | - | - | 150,000 | 50,000 | - | - | - | - | 50,000 | - | 50,000 | - | | |
| BUILDING CONSTRUCTION | | | | | | | | | | | | | | | |
| DPW - Crystal Lake Beach | - | | | 25,000 | - | | | | - | - | 25,000 | - | - | | |
| BOE - CIP Construction Projects | - | | | 600,000 | 95,000 | | | | 100,000 | 100,000 | 100,000 | 100,000 | 105,000 | | |
| BOE - HVAC Replacements and Upgrades | - | | | 11,366,250 | 6,736,250 | | | | - | - | 4,630,000 | - | - | | |
| BOE - Windermere School Solar Photovoltaic | 500,000 | | | - | - | - | | | - | - | - | - | - | | |
| Total | 500,000 | - | - | 11,991,250 | 6,831,250 | - | - | - | 100,000 | 100,000 | 4,755,000 | 100,000 | 105,000 | | |
| BUILDING REPAIRS | | | | | | | | | | | | | | | |
| DPW - Town Hall Renovation/Addition | 30,000 | 30,000 | 30,000 | 180,000 | 30,000 | | | | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | | |
| DPW - Animal Control Facility | - | | | 20,000 | - | | | | 20,000 | - | - | - | - | | |
| DPW - Tedford Park Pavilion | - | | | 25,000 | - | | | | - | - | 25,000 | - | - | | |
| DPW - Town Hall Gutter Installation | - | | | 150,000 | 150,000 | | | | - | - | - | - | - | | |
| EVAC - Engine Exhaust Removal System | 23,794 | 23,794 | | - | - | | | | - | - | - | - | - | | |
| FS - Senior Center Energy Project | - | | | 32,033 | 32,033 | | | | - | - | - | - | - | | |
| DPW - Senior Center Café Updates | - | | | 120,000 | 20,000 | | | | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | | |
| DPW - DPW Facility Maintenance | - | | | 120,000 | 20,000 | | | | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | | |
| DPW - Hall Memorial Library | - | | | 250,000 | 100,000 | | | | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | | |
| EVFD - HVAC 29 Main Street | - | | | 140,485 | 140,485 | | | | - | - | - | - | - | | |
| BOE - Gymnasium Floor Replacement | 92,000 | 92,000 | | - | - | | | | - | - | - | - | - | | |
| BOE - Roof Replacement Program | - | | | 5,151,380 | - | | | | - | - | 5,151,380 | - | - | | |
| BOE - EMS Elevator Modernization | 95,000 | 95,000 | | - | - | | | | - | - | - | - | - | | |
| BOE - Windermere School Floor Abatement | 400,000 | - | | - | - | | | | - | - | - | - | - | | |
| BOE - Windermere School Window Replacement | 200,000 | - | | - | - | | | | - | - | - | - | - | | |
| BOE - Windermere School Roof Replacement | 1,714,800 | - | | - | - | | | | - | - | - | - | - | | |
| Total | 2,555,594 | 240,794 | 30,000 | 6,188,898 | 492,518 | - | - | - | 120,000 | 100,000 | 5,276,380 | 100,000 | 100,000 | | |

| BOARD OF SELECTMEN | | | | | | | | | CAPITAL IMPROVEMENTS BUDGET REQUEST 2022-23 | | | | | | |
|---|----------|----------|----------|-----------|----------|----------|----------|----------|---|---------|---------|---------|---------|--|--|
| APPROVED CAPITAL IMPROVEMENT | | BOS | | | | | | | | | | | | | |
| BUDGET- 2023-24 | | Approved | | | | APPROVED | BOS | BOF | | | | | | | |
| | Budget | Cap Non- | BOF | TOTAL | BUDGET | IMP COM | CAP IMP | APPROVED | | | | | | | |
| Amounts shown in dollars | Requests | Recur | APPROVED | ESTIMATED | REQUESTS | PROJECTS | PROJECTS | | | | | | | | |
| | 2022-23 | 2022-23 | 2022-23 | COST | 2023-24 | 2023-24 | 2023-24 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | | |
| | | | | | | | | | | | | | | | |
| MISCELLANEOUS | | | | | | | | | | | | | | | |
| DPW - Parking Lot Renovations | 605,000 | 605,000 | 405,000 | 480,000 | 40,000 | | | | 40,000 | 100,000 | 100,000 | 100,000 | 100,000 | | |
| DPW - Transfer Station Site Improvements at Town Garage | - | | | 80,000 | - | | | | - | 20,000 | 20,000 | 20,000 | 20,000 | | |
| DPW - Landfill/Brush Dump Redevelopment | - | | | 20,000 | - | | | | - | 20,000 | - | - | - | | |
| DPW - HML Air Conditioning Replacement | 100,000 | 100,000 | | - | - | | | | - | - | - | - | - | | |
| DPW - Tennis & Basketball Court Maintenance | 30,000 | 30,000 | 30,000 | 60,000 | - | | | | 20,000 | - | 20,000 | - | 20,000 | | |
| DPW - High School Track | 230,000 | 230,000 | | 60,000 | - | | | | 20,000 | - | 20,000 | - | 20,000 | | |
| DPW - Robert Tedford Memorial Park Trail | - | | | 80,000 | - | | | | - | 20,000 | 20,000 | 20,000 | 20,000 | | |
| FS - Elderly Housing Study | - | | | 20,000 | 20,000 | | | | - | - | - | - | - | | |
| Assessor - Revaluation | - | | | 351,000 | 67,000 | | | | 67,000 | 67,000 | 50,000 | 50,000 | 50,000 | | |
| EVFD - Refurbish Heavy Rescue Truck | - | | | 300,000 | 300,000 | | | | - | - | - | - | - | | |
| BOE - Equipment Upgrades | - | | | 625,000 | 105,000 | | | | 105,000 | 105,000 | 105,000 | 105,000 | 100,000 | | |
| Total | 965,000 | 965,000 | 435,000 | 2,076,000 | 532,000 | - | - | - | 252,000 | 332,000 | 335,000 | 295,000 | 330,000 | | |
| EQUIPMENT PURCHASE | | | | | | | | | | | | | | | |
| DPW - Snow Plow Dumptrucks Replacement | - | | | 760,000 | 250,000 | | | | - | 255,000 | - | 255,000 | - | | |
| DPW - Small Dump Trucks | - | | | 65,000 | - | | | | - | - | 65,000 | - | - | | |
| DPW - Pick Up Trucks | 45,000 | 45,000 | | 100,000 | - | | | | 50,000 | - | 50,000 | - | - | | |
| DPW - Pick Up Truck Superintendent | - | - | | 50,000 | 50,000 | | | | - | - | - | - | - | | |
| DPW - Backhoe Excavator | - | | | 90,000 | - | | | | - | - | 90,000 | - | - | | |
| DPW - Full Size Excavator | - | | | 250,000 | - | | | | - | - | - | 250,000 | - | | |
| DPW - Turf Mower | - | | | 120,000 | - | | | | - | 120,000 | - | - | - | | |
| DPW - Roadside Mower | - | | | 245,000 | 245,000 | | | | - | - | - | - | - | | |
| DPW - Loader | - | | | 200,000 | - | | | | 200,000 | - | - | - | - | | |
| DPW - Pool Car/Town Staff Vehicle | 70,000 | 70,000 | | 50,000 | - | | | | - | - | 50,000 | - | - | | |
| DPW - 5 Ton Roller | - | | | 100,000 | - | | | | - | - | 100,000 | - | - | | |
| DPW - Skid Steer | | | | 70,000 | - | | | | 70,000 | - | - | - | - | | |
| DPW - Stand on Blower | - | | | 18,000 | - | | | | - | 18,000 | - | - | - | | |
| DPW - Vacuum Trailer | - | | | 80,000 | - | | | | - | 80,000 | - | - | - | | |
| DPW - Parks Equipment | - | | | 125,000 | - | | | | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | | |
| IT - Computer Replacement Cycle | 145,000 | 145,000 | 145,000 | - | - | | | | - | - | - | - | - | | |
| EVFD/CLFD - Replacement Fire Hose | - | | | 56,357 | 56,357 | | | | - | - | - | - | - | | |
| EVFD - Replmt Service Truck | - | | | 80,000 | 80,000 | | | | - | - | - | - | - | | |
| EVAC - Chassis Replacement | - | | | 80,000 | 80,000 | | | | - | - | - | - | - | | |
| CLFD - SCBA Fill Station Replacement | - | | | 25,000 | 25,000 | | | | - | - | - | - | - | | |
| CLFD - Replacement Hydraulic Rescue Tools | - | | | 125,000 | 125,000 | | | | - | - | - | - | - | | |
| BOE - Vehicle Replacement | - | | | 155,000 | 30,000 | | | | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | | |

| BOARD OF SELECTMEN | | | | | | | | | CAPITAL IMPROVEMENTS BUDGET REQUEST 2022-23 | | | | | | |
|---|-----------|---------------|--------------|------------|-----------|----------|----------|----------|---|-----------|------------|-----------|-----------|--|--|
| APPROVED CAPITAL IMPROVEMENT | | BOS | | | | | | | | | | | | | |
| BUDGET- 2023-24 | | Approved | | | | APPROVED | BOS | BOF | | | | | | | |
| | Budget | Requests | | TOTAL | BUDGET | BOS CAP | APPROVED | APPROVED | | | | | | | |
| Amounts shown in dollars | Requests | Cap Non-Recur | BOF APPROVED | ESTIMATED | REQUESTS | IMP COM | CAP IMP | | | | | | | | |
| | 2022-23 | 2022-23 | 2022-23 | COST | 2023-24 | 2023-24 | 2023-24 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | | |
| BOE - Modern Classroom Furniture | 30,000 | 30,000 | | - | - | | | | - | - | - | - | - | | |
| BOE - Computer Replacement Cycle | 385,000 | | | - | - | | | | - | - | - | - | - | | |
| DPW - Police Cruisers | 50,000 | 50,000 | | 100,000 | 50,000 | | | | - | 50,000 | - | - | - | | |
| FS - First Selectman Vehicle | 35,000 | 35,000 | | - | - | | | | - | - | - | - | - | | |
| Total | 760,000 | 375,000 | 145,000 | 2,944,357 | 991,357 | - | - | - | 370,000 | 573,000 | 405,000 | 555,000 | 50,000 | | |
| Grand Total | 5,598,599 | 2,398,799 | 1,428,297 | 28,118,802 | 9,815,422 | - | - | - | 1,702,000 | 1,905,000 | 11,541,380 | 1,850,000 | 1,305,000 | | |
| TOTAL FUNDING | 5,598,599 | 2,398,799 | 1,428,297 | 28,118,802 | 9,815,422 | - | - | - | 1,702,000 | 1,905,000 | 11,541,380 | 1,850,000 | 1,305,000 | | |
| LESS FED/STATE GRANTS/ASSESSMENTS/BOND/LEASE | | | | | | | | | | | | | | | |
| State Grant - Winderm Sch Solar Photovoltaic replmt - 50% | 250,000 | | | - | - | - | | | - | - | - | - | - | | |
| State Grant - Winderm Sch Floor Abatement - 50% | 200,000 | | | - | - | - | | | - | - | - | - | - | | |
| State Grant - Winderm Sch Window Replacement - 25% | 50,000 | | | - | - | - | | | - | - | - | - | - | | |
| State Grant - Windermere School Reroofing - 50% | 857,400 | | | - | - | - | | | - | - | - | - | - | | |
| State Grant - BOE Roof Replacement Program | - | | | 2,554,440 | - | | | | - | - | 2,554,440 | - | - | | |
| State Grant - BOE Major Construction HVAC | - | | | 3,368,125 | 3,368,125 | | | | - | - | - | - | - | | |
| 5 Year "Lease" - 0% Interest | - | | | 32,033 | 32,033 | | | | - | - | - | - | - | | |
| Ambulance Fee Fund | | | | 80,000 | 80,000 | | | | | | | | | | |
| State Grant - LOCIP (1) | 108,005 | 108,005 | 108,297 | 108,297 | 108,297 | | | - | - | - | - | - | - | | |
| TOTAL | 1,465,405 | 108,005 | 108,297 | 6,142,895 | 3,588,455 | - | - | - | - | - | 2,554,440 | - | - | | |
| NET COST TO TOWN | 4,133,194 | 2,290,794 | 1,320,000 | 21,975,907 | 6,226,967 | - | - | - | 1,702,000 | 1,905,000 | 8,986,940 | 1,850,000 | 1,305,000 | | |
| CAP NON REC FUND | | | | | | | | | | | | | | | |
| One Mill for FY2022-23= \$1,567,246 | | | | | | | | | | | | | | | |

Road Construction

| ELLINGTON PUBLIC WORKS | | | | | | | | |
|---|-----------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| CAPITAL IMPROVEMENT BUDGET | | | | | | | | |
| 5 YEAR PROGRAM | | | | | | | | |
| PROJECT | CURRENT BALANCE | CURRENT YEAR 2022/23 | YEAR 1 2023/24 | YEAR 2 2024/25 | YEAR 3 2025/26 | YEAR 4 2026/27 | Year 5 2027/28 | COMMENTS |
| EQUIPMENT | | | | | | | | |
| LARGE DUMP TR. DO-ALL BODY | \$3.11 | | \$250,000.00 | | \$255,000.00 | | \$255,000.00 | 10 Frontline trucks replacement - First of the 2007 trucks Rear feed truck body, asphalt, loam, deicing |
| SMALL DUMP TR. PICKUP TRUCKS | | \$45,000.00 | | \$50,000.00 | | \$65,000.00 | | 2024/25 Replacement of GMC Dump Pickup Truck replacements (Parks) |
| BACKHOE / EXCAV TURF MOWER LG STAFF VEHICLE | | | | | \$120,000.00 | \$90,000.00 | | New Purchase, replacement for the Backhoe/Excavator Turf mower replacement space holder Superintendent of Operations Vehicle |
| POOL CAR LOADER | | \$70,000.00 | \$50,000.00 | | | \$50,000.00 | | Pool Vehicle Replacement in 2024/25 |
| SIDEWALK PLOW/THRO 5 TON ROLLER | | | | \$200,000.00 | | \$100,000.00 | | Replacing existing sidewalk clearing unit - space holder Replacing our current 5 ton unit- space holder |
| POLICE VEHICLE | \$12,588.00 | \$50,000.00 | \$50,000.00 | | \$50,000.00 | | | Replacing 2012 Tahoe, 100,000+ miles |
| ROAD GRADER | \$0.00 | | | | | | | Recommending replacement in 2027/28 |
| VACUUM TRAILER | | | | | \$80,000.00 | | | Do not have & would save money in long term |
| SKID STEER ROADSIDE MOWER | | | \$245,000.00 | \$70,000.00 | | | | Existing is wearing out/Old Replace the aging Mott Mower |
| STAND-ON BLOWER EXCAVATOR | | | | | \$18,000.00 | | \$250,000.00 | Would make things more efficient Opens doors to new projects, waterway cleaning |
| PARKS EQUIPMENT | | | | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | Turf roller, infield laser, line striper, infield machine |
| FACILITIES | | | | | | | | |
| ANIMAL CONTROL FAC. | | | | \$20,000.00 | | | | Planning/study needs of Department facility |
| TEDFORD PARK PAVILION | | | | | | \$25,000.00 | | Planning/scope of needs of Pavilion and Park |
| OVERLAY PROGRAM | \$0.00 | \$650,000.00 | \$650,000.00 | \$650,000.00 | \$650,000.00 | \$650,000.00 | \$650,000.00 | Road repair, Chip & Crack Seal leveling & overlays * CIP FUNDS |
| UNIMPROVED ROADS LOCIP | \$19,798.77 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | Apply milling and seal with drainage improvements State Grant for Road Improvements |
| CULVERT REPLACEMENTS | \$221,692.51 | | | | | | | Burbank Road Culvert - Webster Road -Turkey Brook Culvert |
| LG/SM BRIDGES | \$150,000.00 | \$30,000.00 | \$30,000.00 | \$140,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | Bridge Assessment |
| SIDEWALK PROJECTS | \$1,883.34 | | \$100,000.00 | \$40,000.00 | \$40,000.00 | \$40,000.00 | \$40,000.00 | Place holder for future projects |
| LIBRARY PROJECTS | | \$100,000.00 | \$100,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | Air Handlers, windows, |
| CRYSTAL LAKE BEACH | | | | | | \$25,000.00 | | Beach Parking and play Area renovations |
| TOWN FACILITIES UPGRADES | | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | Renovations continued, flooring and fixtures |
| PARKING LOTS MAINT. | \$410,653.73 | \$605,000.00 | \$40,000.00 | \$40,000.00 | \$100,000.00 | \$100,000.00 | \$100,000.00 | Town Hall & Library 2022 Center School 2023 |
| TRAFFIC CALMING | | | | | | \$20,000.00 | | Roundabout repairs |
| TOWN HALL RENO'S | \$0.00 | | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | \$30,000.00 | Gutter Installation |
| DPW MAINTENANCE | | | \$20,000.00 | \$20,000.00 | \$20,000.00 | \$20,000.00 | \$20,000.00 | Recycle Facility, New Furnace, Clean DPW Roof, Salt Dome Roof |
| GUIDERAIL PROGRAM | | | | | | | | New guiderail installation at various locations (Check for grants) |
| WINDSORVILLE @PINNEY INT | | | | | | | | New Alignment (LRARP) |
| TEDFORD PARKING LOT LIGHTING | | | | | | | | Removed from Comprehensive Light Project |
| SENIOR CENTER | | | \$20,000.00 | \$20,000.00 | \$20,000.00 | \$20,000.00 | \$20,000.00 | |
| EOC | | | | | | | | New Generator |
| PARKS & FIELDS | | | | | | | | |
| T & B-BALL COURT MAINT. | \$85,000.00 | \$30,000.00 | | \$20,000.00 | | \$20,000.00 | | Resurfacing and painting of tennis and basketball courts |
| HIGH SCHOOL TRACK | | \$230,000.00 | | \$20,000.00 | | \$20,000.00 | | Resurfacing of the High School track |
| LANDFILL REDEVELOP | | | | | \$20,000.00 | | | Re-development Plan of Landfill Brush collection site |
| TRANSFER ST. IMPROVE | | | | | \$20,000.00 | \$20,000.00 | \$20,000.00 | Site Improvements per State Permit Town Public Works Area |
| TEDFORD PK EXERCISE TRAIL | | | | | \$20,000.00 | \$20,000.00 | \$20,000.00 | Trail and exercise stations |
| | | | | | | | | |
| | \$901,619.46 | \$1,978,005.00 | \$1,765,000.00 | \$1,465,000.00 | \$1,558,000.00 | \$1,480,000.00 | \$1,520,000.00 | |

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---|--|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Road Overlay Program | | | |
| Project Description: Public roadway infrastructure maintenance. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input checked="" type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Public paved roadways require constant maintenance. These fund are used to provide that maintenance in many different ways. The department's 5-year road plan speaks to where/how the money is spent. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: Rehabilitation treatments extend the life of the road to increase the time between reconstruction. | | | | | | | Type of Project: Road Maintenance | | | |
| Costs if not implemented: More expense due to completely deteriorated roads. Damage to motorist's vehicle resulting in insurance claims. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 650000 | 650000 | 650000 | 650000 | 650000 | 650000 | 3900000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 650000 | 650000 | 650000 | 650000 | 650000 | 650000 | 3900000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 650000 | 650000 | 650000 | 650000 | 650000 | 650000 | 3900000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Local Capital Improvement Program | | |
| Project Description: State Grant that the Town has earmarked for road construction, renovation, repair or resurfacing. | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: Maintenance of Town Roads | | | | | | | | Required/Desired Date of Project Completion: 12/31/2023 | | |
| Benefits: | | | | | | | | Type of Project: Road Construction | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Quote |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | (4) | 108297 | 0 | 0 | 0 | | 0 | 108297 | 0 | |
| Equipment Purchases | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 108297 | 0 | 0 | 0 | 0 | 0 | 108297 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 108297 | 0 | 0 | 0 | 0 | 0 | 108297 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Unimproved Roads | | | |
| Project Description: Public roadway infrastructure maintenance. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Public unimproved roadways require constant maintenance. These funds are used to provide that maintenance in many different ways. The goal of this fund is to spend for maintenance as necessary and save for future improvement. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: Working toward reducing total miles of unimproved roads as well as caring for existing conditions. | | | | | | | Type of Project: Road Maintenance | | | |
| Costs if not implemented: More expense due to completely deteriorated roads. Damage to motorist's vehicle resulting in insurance claims. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 180000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 180000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 180000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|--|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Sidewalks | | | |
| Project Description: Repair, replace and add sidewalks. Abbott, Route 140 at Crystal lake, downtown etc. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input checked="" type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The public has been vocal to construct new sidewalks around Town. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Provide safe, accessible routes for all modes of transportation | | | | | | | Type of Project: Sidewalks | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 100000 | 40000 | 40000 | 40000 | 40000 | 40000 | 300000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 100000 | 40000 | 40000 | 40000 | 40000 | 40000 | 300000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 100000 | 40000 | 40000 | 40000 | 40000 | 40000 | 300000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Traffic Calming | | | |
| Project Description: Request for funds to be used to support the care of the roundabout and other traffic calming measures that may arise. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The public has been vocal about increased vehicular speeds. These funds will be used to help mitigate these issues by utilizing traffic calming techniques and devices. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: | | | | | | | Type of Project: Repair/Construction | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | 0 | 0 | 20000 | | 0 | 20000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 20000 | 0 | 0 | 20000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 20000 | 0 | 0 | 20000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Lg/Sm Bridges | | | |
| Project Description: Engineering costs for local bridges both small and large. Burbank Rd., Webster rd, and Turkey Brook (amongst others) | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Assessing condition and safety of structures that have been deemed in need or replacing by the State. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Continue to allow watershed to flow. | | | | | | | Type of Project: Construction | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | | | | | | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 30000 | 140000 | 30000 | 30000 | 30000 | | 260000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 30000 | 140000 | 30000 | 30000 | 30000 | 0 | 260000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 30000 | 140000 | 30000 | 30000 | 30000 | 0 | 260000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Preliminary Construction Cost Estimate -11-11-22

Ellington

Webster Road Culvert Replacement

Preliminary Construction Cost Estimate -11-11-22

Ellington

Burbank Road Culvert Replacement

Site Acquisition

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|---|---|---|---|
| Agency/Department: First Selectman | | | | | | | Project Name: Real Estate Purchase | | | |
| Project Description: Funding allocated to the purchase of real estate | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input checked="" type="checkbox"/> #4 Desirable Project |
| Justification: Allows Town to plan for and have funding available in future years instead of requesting additional appropriation when a purchase is requested | | | | | | | Required/Desired Date of Project Completion: 12/31/2023 | | | |
| Benefits: Removes the need for the Town to request an additional appropriation and instead budget over time | | | | | | | Type of Project: Road Construction | | | |
| Costs if not implemented: When the Town seeks to purchase real estate, requires an additional appropriation which at this time would go against our Fund Balance Policy | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Quote |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | (1) | 50000 | 0 | 50000 | 0 | 50000 | 0 | 150000 | 0 | |
| Equipment Purchases | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 50000 | 0 | 50000 | 0 | 50000 | 0 | 150000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 50000 | 0 | 50000 | 0 | 50000 | 0 | 150000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Building Construction

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|---|
| Agency/Department: Public Works Department | | | | | | | Project Name: Crystal lake Beach | | | |
| Project Description: These funds would be used to plan and upgrade our current lake resource and user amenities, picnic tables, recreation/play areas, restrooms, drainage and parking. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input checked="" type="checkbox"/> #4 Desirable Project |
| Justification: The beach is in need of some upgrades. Grants will be researched to assist with this project. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: | | | | | | | Type of Project: Facilities | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | 0 | 0 | 25000 | | 0 | 25000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 25000 | 0 | 0 | 25000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 25000 | 0 | 0 | 25000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

**Ellington Public Schools - Capital Improvement Plan
Summary**

| | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 2028-2029 | 6-Year Total |
|-------------------------------|---------------------|------------------|------------------|---------------------|------------------|------------------|---------------------|
| Vehicle Replacement | \$ 30,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 155,000 |
| Equipment Upgrades | \$ 105,000 | \$105,000 | \$105,000 | \$ 105,000 | \$105,000 | \$100,000 | \$ 625,000 |
| CIP Construction Projects | \$ 95,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 105,000 | \$ 600,000 |
| Total CIP Request | \$ 230,000 | \$230,000 | \$230,000 | \$ 230,000 | \$230,000 | \$230,000 | \$ 1,380,000 |
| Major Construction Requests | \$ 6,736,250 | \$ - | \$ - | \$ 9,781,380 | \$ - | \$ - | \$16,517,630 |
| Total Project Requests | \$ 6,966,250 | \$230,000 | \$230,000 | \$10,011,380 | \$230,000 | \$230,000 | \$17,897,630 |
| Expected Reimbursement | \$ 3,368,125 | \$ - | \$ - | \$ 2,554,440 | \$ - | \$ - | \$ 5,922,565 |
| Net Cost to the Town | \$ 3,598,125 | \$230,000 | \$230,000 | \$ 7,456,940 | \$230,000 | \$230,000 | \$11,975,065 |

Ellington Public Schools - Capital Improvement Plan
Detail

| Location | Location | Funding Source | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 2028-2029 | 6-Year Total |
|---|----------------|----------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|----------------------|
| Vehicle Replacement | | | \$ 30,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 155,000 |
| Special Education Van | Districtwide | CIP | \$ - | \$ - | \$ 35,000 | \$ - | \$ 35,000 | \$ - | \$ 70,000 |
| Maintenance Vehicle | Districtwide | CIP | \$ 30,000 | \$ - | \$ - | \$ - | \$ - | \$ 35,000 | \$ 65,000 |
| Subtotal - Planned Projects | | | \$ 30,000 | \$ - | \$ 35,000 | \$ - | \$ 35,000 | \$ 35,000 | \$ 135,000 |
| Estimated Balance | | | \$ - | \$ 25,000 | \$ 15,000 | \$ 40,000 | \$ 30,000 | \$ 20,000 | \$ 20,000 |
| Furniture & Equipment Upgrades | | | \$ 105,000 | \$ 105,000 | \$ 105,000 | \$ 105,000 | \$ 105,000 | \$ 100,000 | \$ 625,000 |
| Modern Classroom Furniture | Districtwide | CIP | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 180,000 |
| Computer Replacement Cycle - Lease Break Plan | Districtwide | CIP | | | | \$ 135,000 | \$ 115,000 | \$ 35,000 | \$ 285,000 |
| A/V Replacement - Lease Break Plan | Districtwide | CIP | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 150,000 |
| Subtotal - Planned Projects | | | \$ 55,000 | \$ 55,000 | \$ 55,000 | \$ 190,000 | \$ 170,000 | \$ 90,000 | \$ 615,000 |
| Estimated Balance | | | \$ 50,000 | \$ 100,000 | \$ 150,000 | \$ 65,000 | \$ - | \$ 10,000 | \$ 10,000 |
| CIP Construction Projects | | | \$ 95,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 105,000 | \$ 600,000 |
| EHS Auditorium Exterior | EHS | CIP | \$ - | \$ - | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 320,000 |
| Water System Safety Upgrades | CLS | CIP | \$ 20,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 20,000 |
| Gymnasium Floor | CLS | CIP | \$ - | \$ 92,000 | \$ - | \$ - | \$ - | \$ - | \$ 92,000 |
| Flooring replacement | Districtwide | CIP | \$ - | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 100,000 |
| Subtotal - Planned Projects | | | \$ 20,000 | \$ 112,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 532,000 |
| Estimated Balance | | | \$ 75,000 | \$ 63,000 | \$ 63,000 | \$ 63,000 | \$ 63,000 | \$ 68,000 | \$ 68,000 |
| Total CIP Request | | | \$ 230,000 | \$ 230,000 | \$ 230,000 | \$ 230,000 | \$ 230,000 | \$ 230,000 | \$ 1,380,000 |
| Major Consturction Projects | | | \$ 6,736,250 | \$ - | \$ - | \$ 9,781,380 | \$ - | \$ - | \$ 16,517,630 |
| Roof Replacement (@ 25 Years) | EMS | Bond, SCG | \$ - | \$ - | \$ - | \$ 1,700,000 | \$ - | \$ - | \$ 1,700,000 |
| HVAC Replacement and Upgrades | District | Bond, SCG | \$ 6,736,250 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 6,736,250 |
| HVAC Replacement and Upgrades | District | Bond | \$ - | \$ - | \$ - | \$ 4,630,000 | \$ - | \$ - | \$ 4,630,000 |
| Roof Replacement (@21 years) | Center | Bond, SCG | \$ - | \$ - | \$ - | \$ 500,000 | \$ - | \$ - | \$ 500,000 |
| Roof Replacement (@21 years) | Central Office | Bond, SCG | \$ - | \$ - | \$ - | \$ 85,000 | \$ - | \$ - | \$ 85,000 |
| Roof Replacement (@20 years) | EHS | Bond, SCG | \$ - | \$ - | \$ - | \$ 2,866,380 | \$ - | \$ - | \$ 2,866,380 |
| Subtotal | | | \$ 6,736,250 | \$ - | \$ - | \$ 9,781,380 | \$ - | \$ - | \$ 16,517,630 |
| Estimated Balance | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Request CIP, Lease, Finance | | | \$6,966,250 | \$230,000 | \$230,000 | \$10,011,380 | \$230,000 | \$230,000 | \$17,897,630 |
| Estimated Grant | | | \$3,368,125 | \$0 | \$0 | \$2,554,440 | \$0 | \$0 | \$5,922,565 |
| Net Cost to Town | | | \$3,598,125 | \$230,000 | \$230,000 | \$7,456,940 | \$230,000 | \$230,000 | \$11,975,065 |

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|---|--|
| Agency/Department: Ellington Board of Education | | | | | | | Project Name: BOE - CIP Construction Projects | | | |
| Project Description: Standard line-item for ongoing minor construction projects associated with keeping up the schools. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The Board of Education is seeking a standard allocation to address long-term capital needs within its schools. This will assist the district in planning within its operating budget, where surprise capital projects often eat at other ongoing maintenance and operational costs. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Allow for a longer-term planning by the Board of Education in replacement of outdated equipment. | | | | | | | Type of Project: | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 95000 | 100000 | 100000 | 100000 | 100000 | 105000 | 600000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 95000 | 100000 | 100000 | 100000 | 100000 | 105000 | 600000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 95000 | 100000 | 100000 | 100000 | 100000 | 105000 | 600000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|---|--|
| Agency/Department: Ellington Board of Education | | | | | | | Project Name: BOE - HVAC Replacements and Upgrades | | | |
| Project Description: Address long-term HVAC needs within the school district | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Based on the reports of conditions at Center, Crystal Lake, Ellington Middle School and Ellington High School, the district is planning to accomplish all projects except for true air conditioning of classrooms within the current CIP window. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Long term plan to address indoor air quality in all school spaces. | | | | | | | Type of Project: | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 3 | 6736250 | 0 | 0 | 4630000 | 0 | 0 | 11366250 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 6736250 | 0 | 0 | 4630000 | 0 | 0 | 11366250 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | -3368125 | 0 | 0 | 0 | 0 | 0 | -3368125 | 0 | |
| TOTAL COST TO TOWN | | 3368125 | 0 | 0 | 4630000 | 0 | 0 | 7998125 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Building Repairs

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Town Facilities Upgrades | | | |
| Project Description: Continued renovations of flooring and fixtures throughout town facilities | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Existing facilities are aging and require yearly maintenance | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: provides a great place to work & attracts top talent | | | | | | | Type of Project: Facility Renovations | | | |
| Costs if not implemented: If facilities are not maintained, significantly larger costs will be incurred | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 180000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 180000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 180000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|--|---|--|---|
| Agency/Department: Public Works Department | | | | | | | Project Name: Animal Control Facility | | | |
| Project Description: Study the existing building and develop a scope of needs to upgrade the facility | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input checked="" type="checkbox"/> #4 Desirable Project |
| Justification: | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: | | | | | | | Type of Project: Planning and engineering | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | 1 | 0 | 20000 | 0 | 0 | 0 | 0 | 20000 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 0 | | | | | | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 20000 | 0 | 0 | 0 | 0 | 20000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 20000 | 0 | 0 | 0 | 0 | 20000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|---|
| Agency/Department: Public Works Department | | | | | | | Project Name: Tedford Park Pavilion | | | |
| Project Description: Develop a concept plan to provide a more sustainable layout for the future and renovate the existing pavilion at Tedford park to meet the needs of the users. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input checked="" type="checkbox"/> #4 Desirable Project |
| Justification: | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: | | | | | | | Type of Project: Planning & Engineering | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | 1 | 0 | | 0 | 25000 | 0 | 0 | 25000 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 0 | | | | | | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 25000 | 0 | 0 | 25000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 25000 | 0 | 0 | 25000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---|--|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Town Hall gutter installation | | | |
| Project Description: Town Hall gutter fabrication & installation. The proposal includes trimming the roof edge to eliminate 1 row of slate tiles, replacing the bottom row of slate with new, installing ice & water sheathing 4' from edge and installing 6" copper gutters & downspouts. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input checked="" type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The building currently lacks gutters and show signs of brick deterioration, in addition to flooding of the basement during large rain events. The proposed gutters would be aesthetically pleasing and very beneficial to the survival of the aging building. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: Extended life of exterior painted surfaces. Reduce the potential for basement flooding. | | | | | | | Type of Project: New gutter installation | | | |
| Costs if not implemented: Potential brick failure at ground level due to water logging. Basement flooding/mold issues. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 150000 | 0 | 0 | 0 | 0 | 0 | 150000 | 0 | See quote |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 150000 | 0 | 0 | 0 | 0 | 0 | 150000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 150000 | 0 | 0 | 0 | 0 | 0 | 150000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

ESTANISLAU CONSTRUCTION CO. INC.

P.O. Box 607

South Windsor, CT. 06074

Telephone# (860) 228-0033

Lic. # 0553396

dinizestan50@gmail.com

November 8, 2022

Ellington Town Hall
55 Main Street
Ellington, CT 06029

Work to be done: Upper roof copper gutters.

Remove 5 rows of slate, remove existing snow rails cut and remove existing crown moldings so copper gutter will sit flat onto fascia board. Gutter now becomes the new molding. Install Water & Ice Shield, re-slate and re-install snow rails. Copper gutter to be custom made 6" inch opening 20 oz copper. All joints to be riveted and soldered.

Downspouts:

Downspouts to be 4 "copper round corrugated there will be a total of six main downspouts.

Total price for this work will be \$109,750.00.

Price does not include scaffolding, scaffolding will additional.

Tripple G will be supplying and erecting scaffolding the price for that work will be \$38,600.00.

Sincerely,

Diniz Estanislau
Estanislau Construction, Co. Inc.

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---|---|--|--|
| Agency/Department: First Selectman | | | | | | | Project Name: Senior Center Energy Project | | | |
| Project Description: Energy Opportunity program for the Ellington Senior Center, this would include High-Performance Lighting, pipe insulation and other additional energy efficient measures | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Energy efficiencies would bring cost savings of \$5,399 and cost the Town \$5,338 a year for five years, 0% Interest, after which time, Town would see full savings | | | | | | | Required/Desired Date of Project Completion: 8/1/2023 | | | |
| Benefits: Energy Efficiency-Decrease energy costs which are increasing drastically given current rates | | | | | | | Type of Project: Updates | | | |
| Costs if not implemented: \$5,400 annually | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 8 | 32033 | 0 | 0 | 0 | 0 | 0 | 32033 | 0 | Quote |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 32033 | 0 | 0 | 0 | 0 | 0 | 32033 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 32033 | 0 | 0 | 0 | 0 | 0 | 32033 | 0 | |

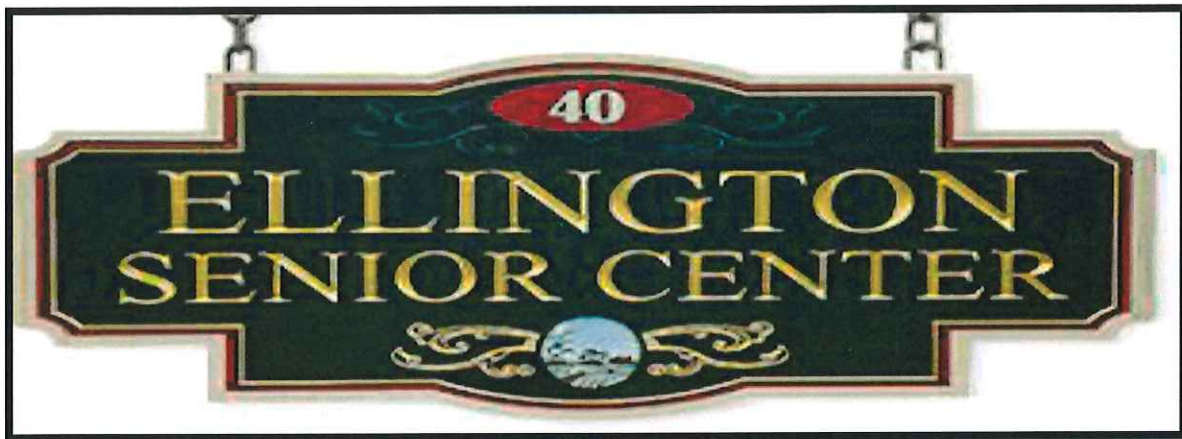
*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Town of Ellington Senior Center Preliminary

40 Maple St. Ellington, CT 06029

October 31, 2022

Energy Project: EO22-2000



Prepared for
Lori Spielman

Prepared by
Sam Schneider
Earthlight Technologies LLC
128 West Road
Ellington, CT 06029
(860) 871-9700 ext. 131





Energy Efficiency Project - Preliminary Financial Summary

October 31, 2022

RE: Energy Project

EO22-2000

Town of Ellington - Senior Center
Lori Spielman

40 Maple Street

Ellington, CT 06029

Municipal EO Program Highlights:

The Energy Opportunity program offers turnkey proposals for materials and labor, eliminating multiple quotes. Municipal customers have access to financial incentives to buy down the cost of energy efficiency projects and on-bill financing at 0% for up to 84 months through Eversource. This means most projects do not require a capital outlay from the customer.

Earthlight Technologies offers a 3 year Labor and 5 year Material Warranty.

Cash Flow Analysis

kWh rate **0.1650**

| | |
|----------------------------------|-------------------|
| Annual Energy Savings | 32,725 kWh |
| Annual Gas Savings | |
| Annual Cost Savings | \$5,399.63 |
| Total Annual Cost Savings | \$5,399.63 |

Key Financials

| | |
|-----------------------|-------------|
| Incentive Percentage: | 18% |
| Payback (pre-tax) | 5.93 years |
| Simple 10-yr Return: | \$21,964.17 |

Project Cost Analysis

| | | |
|--------------------------------|-----------|--------------------|
| Project Cost | \$ | 38,932.08 |
| CT Tax (Exempt) | + | \$ - |
| Total Project Cost | \$ | 38,932.08 |
| Conservation Incentive | - | \$ 6,900.00 |
| Net Total Customer Cost | \$ | 32,032.08 |

Customer Loan Analysis

| | | |
|-----------------------|----|---------------|
| Customer Loan Amount* | \$ | 32,032.08 |
| Rate * | | 0.00% |
| # of Months * | | 72 |
| Monthly Payment | \$ | (444.89) |
| Monthly Savings | \$ | 449.97 |

Net Monthly Cashflow \$ **5.08**

*The loan is transferable if business is sold under loan

Energy Conservation Measures

High-Performance Lighting

Occupancy Sensors ✓
High Performance Lighting ✓
Photocells

Energy -Efficient HVAC

Tune Up
Programmable Thermostats
Heating and AC Upgrades ✓

Energy -Efficient Refrigeration

Open Refrigeration Night Covers
Refrigeration Controls
High Efficiency ECM Motors
Vending Machine Controls

Additional Energy -Efficient Measures

Air Compressors
Premium Motors & VFDs
Pipe Insulation, Spray Valves, Low-Flow Showerheads, or Aerators

Green Factor

This project is equivalent to:

| | |
|--------|---|
| 1,164 | Gallons of oil not burned or |
| 30,289 | Pounds of CO2 emissions avoided or |
| 14,154 | Pounds of coal not burned or |
| 4 | Homes provided with power for 1 year or |
| 57,413 | Miles driven by an average passenger vehicle per year |





LETTER OF INTENT

October 31, 2022

Town of Ellington Senior Center
40 Maple St.
Ellington, CT 06029

Re: Energy Efficiency Project- EO22-2000

Dear Lori Spielman,

Earthlight looks forward to working with you and the Town of Ellington Senior Center location on the energy efficiency project. This letter shall confirm our mutual understanding of the general scope of the work. Earthlight will follow up with EO Energy Efficiency proposals setting forth in full the specific terms and conditions of our business relationship.

1. Project Description

Total Project Cost - \$ 38,932.08 Estimated Utility Incentive - \$ 6,900.00 Net Cost - \$ 32,032.08

Earthlight is proposing high performance lighting, sensors, pipe insulation and aerators installation.

See attached for more detail specifications and financial summaries.

2. Local Utility Company Energy Efficiency Incentive Program

An important part of the project is the dollar energy incentive that may be offered by your local utility company. To qualify, Earthlight will be preparing, on your behalf, certain documents, including engineering data, drawings, descriptions, spreadsheets, and other company-requested documentation. Your input regarding the current and future energy demands of your business is critical because the utility company will use it for calculating the amount of an incentive. The utility company will inform us of the amount, if any, by issuing a EO Energy Efficiency proposal. Upon receipt, Earthlight and Town of Ellington Senior Center will meet to finalize the project's specific energy efficiency measures.

3. Legal Effect; Termination

This Letter of Intent may be terminated at any time by either party. Further, neither party has any legal obligations to each other until the Purchase Agreement is fully executed.

Understood & Accepted:

By service provider: Earthlight Technologies LLC

By client: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Signed: _____

Signed: _____

Scope of Work -TOWN OF ELLINGTON SENIOR CENTER

| Area Information | | Existing | | | | Proposed | | | | Savings | | |
|----------------------------------|-----|-------------|--|------|-------|---------------------------------------|-----|----------------|-------------|---------|---------------|-----------------|
| Location | Qty | Fixture | Fixture Attributes | W | Burn | Proposed | Qty | Control | Control Qty | W New | Proposed Burn | Total kWh Saved |
| 001 Activities room | 12 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 | KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 12 | | 0 | 18.0 | 2,600 | 1,219.92 |
| 002 Storage 1 & 2 in activities | 2 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 1,040 | SYL RT 5/6 900L | 2 | | 0 | 13.0 | 1,040 | 83.72 |
| 003 Right entrance | 1 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 1 | | 0 | 13.0 | 2,600 | 104.65 |
| 004 Game room | 12 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 | KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 12 | EM BALLAST (1) | 1 | 18.0 | 2,600 | 1,219.92 |
| 005 Game room | 8 | INCAN-I72-1 | Decorative-Medium-Open - no lens-Suspe | 54.0 | 2,600 | LED BR 30 10 W (9.5BR30) | 8 | | 0 | 9.5 | 2,600 | 1,064.44 |
| 006 Mechanical electrical | 1 | F-F17T8-4 | Troffer-2X2-Prismatic-Recessed | 62.0 | 520 | KEYSTONE KT-LED8T8-24G-840-E - (4) | 1 | | 0 | 3.0 | 520 | 35.28 |
| 007 Mechanical | 2 | F-F17T8-4 | Troffer-2X2-Prismatic-Recessed | 62.0 | 520 | KEYSTONE KT-LED8T8-24G-840-E - (4) | 2 | | 0 | 36.0 | 520 | 31.10 |
| 008 Janitor | 2 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 1,040 | KEYSTONE KT-LED8T8-24G-840-E - (2) | 2 | | 0 | 18.0 | 1,040 | 47.84 |
| 009 Restroom 1 | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED8T8-24G-840-E - (2) | 1 | EM BALLAST (1) | 1 | 18.0 | 780 | 17.94 |
| 010 Restroom 2 | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED8T8-24G-840-E - (2) | 1 | EM BALLAST (1) | 1 | 18.0 | 780 | 17.94 |
| 011 Health room | 6 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 | KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 6 | EM BALLAST (2) | 2 | 18.0 | 2,600 | 609.96 |
| 012 Health room | 1 | LED-L8-1 | 6-in Can-Medium-Open - no lens-Recesse | 8.0 | 260 | Do Nothing | 1 | | 0 | 8.0 | 260 | 0.00 |
| 013 Restroom in health | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED8T8-24G-840-E - (2) | 1 | EM BALLAST (1) | 1 | 18.0 | 780 | 17.94 |
| 014 Hall to game room | 7 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 7 | EM BALLAST (4) | 4 | 13.0 | 2,600 | 732.55 |
| 015 Main lobby | 6 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 6 | EM BALLAST (2) | 2 | 13.0 | 2,600 | 627.90 |
| 016 Main lobby | 4 | F-F28T5-2 | Direct/Indirect-1X4-Volumetric-Wall | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 4 | | 0 | 26.0 | 2,600 | 442.52 |
| 017 Library | 6 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 6 | | 0 | 13.0 | 2,600 | 627.90 |
| 018 Main entrance | 2 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 2 | EM BALLAST (1) | 1 | 13.0 | 2,600 | 209.30 |
| 019 Office 1 | 7 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 7 | CEIL. MT. SNSR | 1 | 13.0 | 1,820 | 814.18 |
| 020 Dining room | 30 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 | KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 30 | EM BALLAST (6) | 6 | 18.0 | 2,600 | 3,049.80 |
| 021 Storage in dining | 1 | F-F17T8-4 | Troffer-2X2-Prismatic-Recessed | 62.0 | 520 | KEYSTONE KT-LED8T8-24G-840-E - (4) | 1 | | 0 | 36.0 | 520 | 15.55 |
| 022 Kitchen | 9 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 2,100 | KEYSTONE KT-LED8T8-24G-840-E - (2) | 9 | | 0 | 18.0 | 2,100 | 434.70 |
| 023 Hood | 3 | CFL-CF26W-1 | Jelly Jar-Medium-Clear-Surface | 28.0 | 1,040 | LED A 19 8 W | 3 | | 0 | 6.0 | 1,040 | 78.94 |
| 024 Dry food room | 1 | F-F17T8-4 | Troffer-2X2-Prismatic-Recessed | 62.0 | 2,100 | KEYSTONE KT-LED8T8-24G-840-E - (4) | 1 | | 0 | 36.0 | 2,100 | 62.79 |
| 025 Restroom | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED8T8-24G-840-E - (2) | 1 | | 0 | 18.0 | 780 | 17.94 |
| 026 Front desk | 2 | F-F28T5-2 | Troffer-2X4-Volumetric-Recessed | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 2 | | 0 | 26.0 | 2,600 | 221.26 |
| 027 Break area | 9 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 | SYL RT 5/6 900L | 9 | | 0 | 13.0 | 2,600 | 941.85 |
| 028 Community development office | 2 | F-F28T5-2 | Troffer-2X4-Volumetric-Recessed | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 2 | | 0 | 26.0 | 2,600 | 221.26 |
| 029 Assistant director office | 2 | F-F28T5-2 | Troffer-2X4-Volumetric-Recessed | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 2 | | 0 | 26.0 | 2,600 | 221.26 |
| 030 Multi purpose room | 19 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 | KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 19 | EM BALLAST (4) | 4 | 18.0 | 2,600 | 1,931.54 |
| 031 Storage in multi purpose | 1 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 520 | SYL RT 5/6 900L | 1 | | 0 | 13.0 | 520 | 20.93 |
| 032 Restroom 1 | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 1 | EM BALLAST (1) | 1 | 18.0 | 780 | 17.94 |
| 033 Restroom 2 | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 1 | | 0 | 18.0 | 780 | 17.94 |
| 034 Restroom 3 | 1 | F-F17T8-2 | Troffer-2X2-Prismatic-Recessed | 38.0 | 780 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 1 | | 0 | 18.0 | 780 | 17.94 |
| 035 Erin office | 2 | F-F28T5-2 | Troffer-2X4-Volumetric-Recessed | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 2 | | 0 | 26.0 | 2,600 | 221.26 |
| 036 Transportation office | 2 | F-F28T5-2 | Troffer-2X4-Volumetric-Recessed | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 2 | | 0 | 26.0 | 2,600 | 221.26 |
| 037 Bookkeeper | 2 | F-F28T5-2 | Troffer-2X4-Volumetric-Recessed | 63.0 | 2,600 | KEYSTONE KT-LED12T5HE-48G-840-E - (2) | 2 | | 0 | 26.0 | 2,600 | 221.26 |
| 038 Break room | 4 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 | KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 4 | | 0 | 18.0 | 2,600 | 406.64 |

| | | | | | | | | | | | |
|--------------------------------|----|-------------|---|-------|---|----|----------------|---|------|-------|-----------|
| 039 Storage in break room | 1 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 520 SYL RT 5/6 900L | 1 | | 0 | 13.0 | 520 | 20.93 |
| 040 Left entrance | 1 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 SYL RT 5/6 900L | 1 | | 0 | 13.0 | 2,600 | 104.65 |
| 041 Arts and crafts | 12 | F-F24T5-2 | Troffer-2X2-Volumetric-Recessed | 52.0 | 2,600 KEYSTONE KT-LED8T5HE-24G-840-E-CP-(2) | 12 | EM BALLAST (1) | 1 | 18.0 | 2,600 | 1,219.92 |
| 042 Storage in arts | 1 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 1,040 SYL RT 5/6 900L | 1 | | 0 | 13.0 | 1,040 | 41.86 |
| 043 Hall to Arts and Crafts | 14 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 2,600 SYL RT 5/6 900L | 14 | EM BALLAST (6) | 6 | 13.0 | 2,600 | 1,465.10 |
| 044 Front portico | 8 | CFL-CF42W-1 | 8-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 4,300 SYL RT 5/6 900L - 8" GOOF STRIP | 8 | EM BALLAST (2) | 2 | 13.0 | 4,300 | 1,384.60 |
| 045 Side doors | 2 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 4,300 SYL RT 5/6 900L | 2 | EM BALLAST (2) | 2 | 13.0 | 4,300 | 346.15 |
| 046 Flag | 1 | LED-L40-1 | Flood-Medium-Clear-Knuckle Mount | 40.0 | 4,300 Do Nothing | 1 | | 0 | 40.0 | 4,300 | 0.00 |
| 047 Back door | 2 | CFL-CF42W-1 | 6-in Can-Plug-in 4 Pin-Open -Recessed | 48.0 | 4,300 SYL RT 5/6 900L | 2 | EM BALLAST (1) | 1 | 13.0 | 4,300 | 346.15 |
| 048 Back wall | 6 | LED-L8-1 | Flood-Medium-Open - no lens-Knuckle Mount | 8.0 | 260 Do Nothing | 6 | | 0 | 8.0 | 260 | 0.00 |
| 049 Pavilion | 2 | LED-L8-1 | Fan-Medium-Frosted-Pendant | 8.0 | 260 Do Nothing | 2 | | 0 | 8.0 | 260 | 0.00 |
| 050 Parking lot poles | 12 | MH-MH250-1 | Shoe Box-Mogul-Clear-Pole | 295.0 | 4,300 RAB A17-3T100 | 12 | | 0 | 98.0 | 4,300 | 10,165.20 |
| 051 Restroom / Kitchen Faucets | 4 | NO AERATOR | NO AERATOR | 0.0 | 520 NEW FAUCET AERATORS | 4 | | 1 | 0.0 | 520 | 1,236.00 |
| 052 Kitchen Sprayer | 1 | NO CONTROLS | | 0.0 | 1,040 NEW SPRAY VALVE | 1 | | 1 | 0.0 | 1,040 | 126.00 |

A17-3T100N



Color: Bronze

Weight: 11.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

| Type | Constant Current |
|-------------|------------------|
| 120V | 1.0A |
| 208V | 0.60A |
| 240V | 0.50A |
| 277V | 0.40A |
| Input Watts | 99W |

LED Info

| | |
|----------------|-----------------|
| Watts | 100W |
| Color Temp | 4000K (Neutral) |
| Color Accuracy | 72 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 14,432 lm |
| Efficacy | 145.8 lm/W |

Technical Specifications

Compliance

UL Listed:

Suitable for wet locations

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:

Ingress protection rating of IP65 for dust and water

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: PLR2J0C3RS9X

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 1.50A, 208V: 0.70A, 240V: 0.70A, 277V: 0.60A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

3.67% at 120V, 10.35% at 277V

Power Factor:

99.8% at 120V, 94% at 277V

Surge Protection:

10kV

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Construction

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Lens:

Polycarbonate lens

Technical Specifications (continued)

Construction

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Vibration Rating:

3G vibration rating per ANSI C136.31

EPA:

- 1 Fixture: 0.46
- 2 Fixtures at 90°: 0.60
- 2 Fixtures at 180°: 0.93
- 3 Fixtures at 90°: 0.93
- 4 Fixtures at 90°: 0.93

EPA with Slipfitter & Adjustable Arm Mounting Accessories (Sold Separately)

- 1 Fixture: 0.66
- 2 Fixtures at 90°: 0.80
- 2 Fixtures at 180°: 1.32
- 3 Fixtures at 90°: 1.32
- 4 Fixtures at 90°: 1.32

Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

Long-life, high-efficiency, surface-mount LEDs

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Other

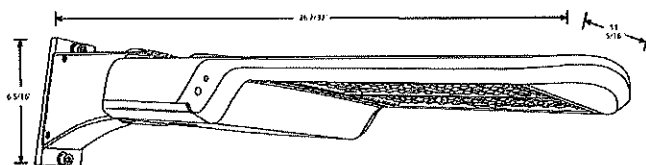
5 Yr Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- 0-10V Dimming, standard
- 100,000-hour LED lifespan
- 5-Year, Limited Warranty

A17-3T100N



Ordering Matrix

| Family | Distribution | Wattage/Lumens | Mounting | Color Temp | Driver | Options |
|--------|---------------|---------------------|------------------------------------|--------------------|-------------------------|------------------------------|
| A17 | - | 3T | 100 | N | | |
| | 3T = Type III | 70 = 70W/10,000LM | Blank = Universal Pole Mount | Blank = 5000K Cool | Blank = 120-277V, 0-10V | Blank = No Option |
| | 4T = Type IV | 100 = 100W/15,000LM | SF = Slipfitter (Factory installed | N = 4000K Neutral | Dimming | /3PRS = 3-pin Receptacle and |
| | 5T = Type V | 150 = 150W/22,500LM | SF available in 150W) | | /480 = 480V, 0-10V | Shorting Cap |
| | | 200 = 200W/30,000LM | | | Dimming ¹ | /7PRS = 7-pin Receptacle and |
| | | 240 = 240W/36,000LM | | | | Shorting Cap |
| | | 300 = 300W/45,000LM | | | | /MVS = Microwave Motion |
| | | 375 = 375W/51,800LM | | | | Sensor |
| | | | | | | /LC = Lightcloud® Controller |

¹ 480V driver available standard on 150W and 300W and by special order on 100, 240 and 375W. Not available on 70W or 200W models.

Type II distribution available as special order

Wall mount and adjustable universal pole mount available as optional field-installed accessories

Project:

Type:

Prepared By:

Date:



UPC: 019813748160



Features and Benefits

Energy efficient replacement for incandescent and halogen lamps

Constructed from durable plastic which lowers risk of breakage

Rated for use in enclosed and open fixtures in dry or damp locations (>15W A19 is Open fixture rated)

Frosted lens produces smooth diffuse light

Longer lifespan compared to legacy equivalents minimizes replacement and maintenance costs

ENERGY STAR Compliant

Dimmable with common dimmer types (check compatibility list)

Technical Specifications

Performance

Product Type:

A-Line

Input Wattage:

5W

Typical Lumen Output:

460

Efficacy:

80 lm/W

Color Temperature:

3000K Warm White

CRI:

80

L70 Lifespan:

15,000 Hours

Dimmable:

Yes, down to 10%

Construction

Bulb Shape:

A19

Base Type:

E26

Beam Angle:

230°

Other

Equivalency:

40W Incandescent

Warranty (Years):

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Electrical

Power Factor:

≥0.7

Operating Temperature:

-20°C - 45°C

Input Voltage:

120V

Operating Frequency:

60 Hz

Technical Specifications (continued)

Technical Specifications

For Use Outdoors in Open Fixtures:

No

Compliance

UL Listed:

Yes

ENERGY STAR V2.0:

This product is ENERGY STAR® Version 2.0
Certified

Energy Star ID:

2357488

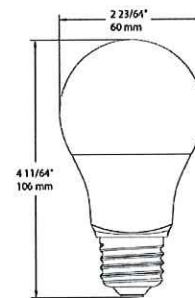
CEC Status:

Not lawful for sale in California

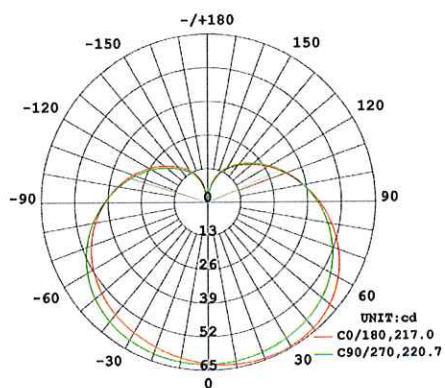
Case and Pallet Dimensions

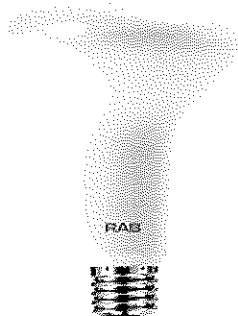
| | QTY | LENGTH (in) | WIDTH (in) | HEIGHT (in) |
|--------|------|-------------|------------|-------------|
| CASE | 12 | 15.4 | 5.2 | 4.9 |
| PALLET | 2268 | 47.2 | 39.4 | 45.7 |

Dimension



Light Distribution





Replace conventional BR30 halogen bulbs. Dimmable LED, 80 CRI.

Color: White

Weight: 0.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Watts 9W
Color Temp 4000K (Cool White)
Lumens 720
Efficacy 75.8 LPW
Color Accuracy 80 CRI
L70 Accuracy 25,000

LED Info

Input Voltage 120V
Power Factor 0.8
Flicker <30%
THDi N/A
R9

Technical Specifications

Listings

UL Listed:

Yes

FCC:

Yes

Rohs:

Yes

CEC Status:

Not lawful for sale in California

ENERGY STAR V2.0:

This product is ENERGY STAR® Version 2.0 Certified

Energy Star ID:

2329312

Description

Dimmable:

Yes, down to 10%

Lamp Type:

Reflector

Bulb Type:

BR30

Base Type:

E26, Medium Screw Base

Material:

Plastic

Construction

Operating Temperature:

-20 - 45°C

MOL (inches):

5.12"

MOD (inches):

3.7"

LED Characteristics

Lifespan:

25,000-hour LED lifespan based on IES LM-70 results

Other

Equivalent:

65W Incandescent BR30

Warranty:

3 years

Optical

Beam Angle:

110°

Shipping Information

Case Qty:

6

Technical Specifications (continued)

Shipping Information

Case Dimensions:

11.97 x 7.99 x 6.5

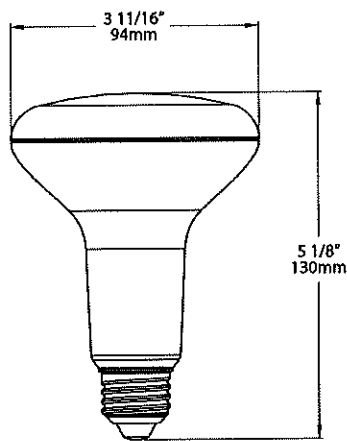
Pallet Quantity of Pieces:

720

Pallet Dimensions:

47.87 x 39.96 x 38.98

Dimensions



Features

REFLECTOR REPLACEMENT - Replacement for incandescent and halogen BR reflector lamps

ENERGY SAVINGS - Save up to 85% on energy

25,000-HOUR LIFESPAN - Long-life product

DAMP RATED - Suitable for damp locations

ENCLOSED FIXTURE RATED - May be used in both enclosed and open fixtures

DIMMABLE - Compatible with most common dimmer models

SHATTERPROOF - Plastic lamps for rugged applications

110°deg; + BEAM ANGLE - Wide beam angle for maximum light distribution

80 CRI - Ideal for general lighting applications



EXTERNAL DRIVE LED

TYPE C LED TUBES

KT-LED8T5HE-24G-8XX-E

T5 LED LAMP

DESCRIPTION

8W T5 LED Tube | Type C | 3500–5000K | >82 CRI | 0–10V Dimming



RoHS
Compliant

5 YEAR
WARRANTY

LAMP TYPE: Linear

BULB TYPE: T5 LED

BASE TYPE: G5

DIMMING TYPE: 0–10V

WATTAGE: 8W

LAMP INPUT VOLTAGE: 36–45Vdc

COLOR TEMPERATURE: 3500–5000K

COLOR RENDERING INDEX (CRI): >82



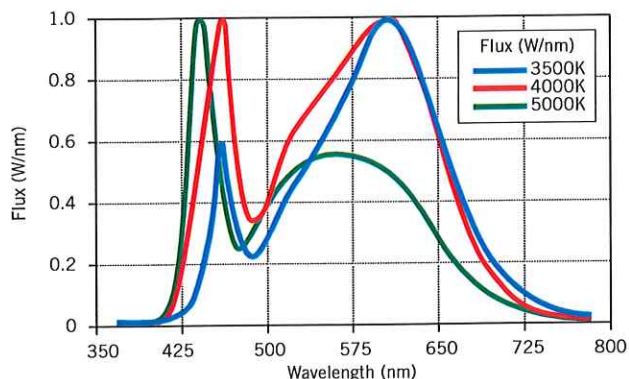
PRODUCT FEATURES

- UL Type C LED tubes, powered by Keystone Type C LED drivers
- UL Classified Std. 1598C
- Glass construction with metal end caps
- Operating temperature: –20°C/–4°F to 45°C/113°F
- THD <15% at full driver load
- PF >0.90 at full driver load
- 0–10V dimmable
- 50,000+ hours lifetime
- Keystone tube and driver pairing wires either single-ended or double-ended. See wiring diagrams for details and common ballast retrofit scenarios
- Low optical flicker

LAMP SPECIFICATIONS

| | | Driver: KTLD-2LT5HE-UV-8C-VDIM | | | | | | Driver: KTLD-4LT5HE-UV-8C-VDIM | | | | | | |
|-----------------------|-------------|--------------------------------|----------------|------------------|---------------------|----------------|------------------|--------------------------------|----------------|------------------|---------------------|----------------|------------------|--------------|
| | | 1 Lamp | | | 2 Lamps | | | 3 Lamps | | | 4 Lamps | | | |
| Catalog Number | Color Temp. | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Power Factor |
| KT-LED8T5HE-24G-835-E | 3500K | 9W | 1050 lm | 117 lm/W | 18W | 2100 lm | 117 lm/W | 27W | 3150 lm | 117 lm/W | 36W | 4200 lm | 117 lm/W | >0.9 |
| KT-LED8T5HE-24G-840-E | 4000K | 9W | 1100 lm | 122 lm/W | 18W | 2200 lm | 122 lm/W | 27W | 3300 lm | 122 lm/W | 36W | 4400 lm | 122 lm/W | >0.9 |
| KT-LED8T5HE-24G-850-E | 5000K | 9W | 1100 lm | 122 lm/W | 18W | 2200 lm | 122 lm/W | 27W | 3300 lm | 122 lm/W | 36W | 4400 lm | 122 lm/W | >0.9 |

SPECTRAL DISTRIBUTION



RATED LIFE

L70 (Hours) 50,000

BEAM ANGLE: 160°

VISIBLE LIGHT AREA: 325°

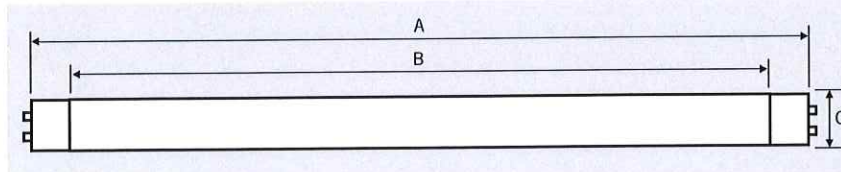
KT-LED8T5HE-24G-8XX-E

T5 LED LAMP

DRIVER SPECIFICATIONS

| Catalog Number | Description | Dimensions |
|------------------------|--|-----------------------|
| KTLD-2LT5HE-UV-8C-VDIM | Driver for (2) 2' T5HO Type C lamps; 120–277V input, 0–10V dimming | 1.10" x 1.32" x 9.53" |
| KTLD-4LT5HE-UV-8C-VDIM | Driver for (4) 2' T5HO Type C lamps; 120–277V input, 0–10V dimming | 1.24" x 1.61" x 9.69" |

PHYSICAL CHARACTERISTICS

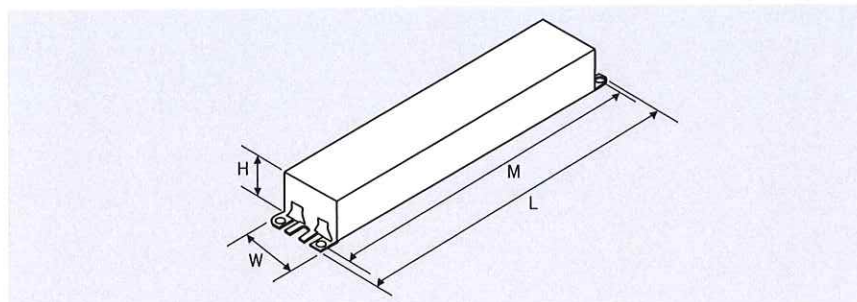


LAMP DIMENSIONS

| | |
|------------------------|--------|
| A (Body Length) | 21.56" |
| B (Illuminated Length) | 17.63" |
| C (Diameter) | 0.82" |

NOMINAL LENGTH: 24"

BASE TYPE: G5



DRIVER DIMENSIONS

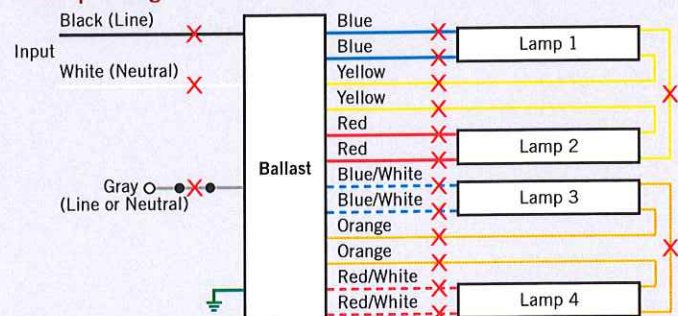
| KTLD-2LT5HE-UV-8C-VDIM | KTLD-4LT5HE-UV-8C-VDIM |
|------------------------|------------------------|
| L (Length) | 9.53" |
| W (Width) | 1.32" |
| H (Height) | 1.10" |
| M (Mounting) | 8.94" |
| L (Length) | 9.69" |
| W (Width) | 1.61" |
| H (Height) | 1.24" |
| M (Mounting) | 9.09" |

WIRING INSTRUCTIONS

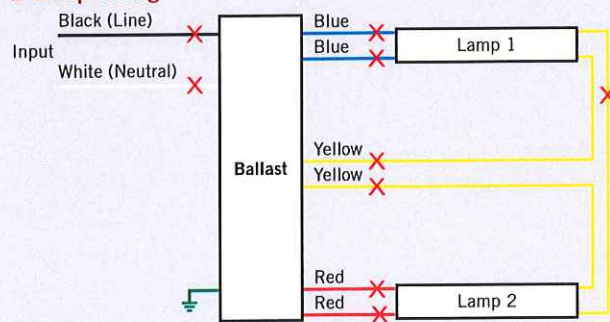
1. Shut off power.
2. Remove existing fluorescent tube(s) and diffuser (if applicable).
3. Open ballast compartment cover, cut all wires (as shown below), and remove existing ballast. Disconnect starter (if applicable).

TYPICAL BALLAST CONFIGURATIONS

4-Lamp Wiring



2-Lamp Wiring



(continued on page 3)



EXTERNAL DRIVE LED

TYPE C LED TUBES

KT-LED8T5HE-24G-8XX-E

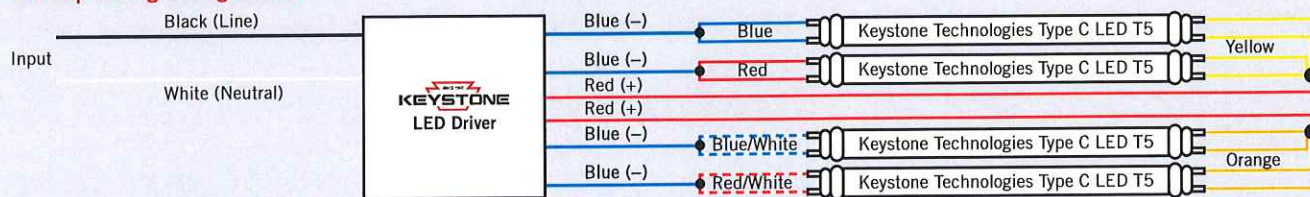
T5 LED LAMP

WIRING INSTRUCTIONS *(continued)*

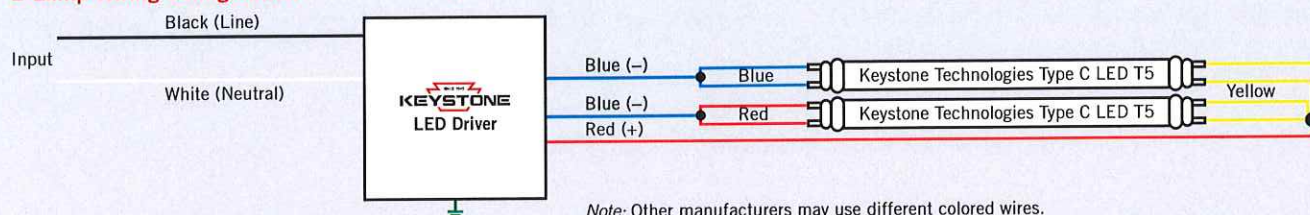
- Check the mounting holes of ballast to see whether they are suitable to install LED driver. If not, drill new holes for mounting. Install LED driver to luminaire using screws.
- Wire according to diagrams (as shown below). **Note: Do not leave any loose wires exposed.**

RETROFIT WIRING

4-Lamp Wiring Configuration



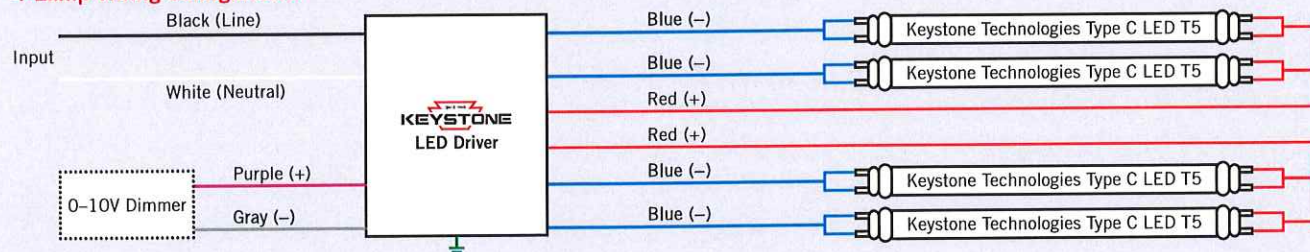
2-Lamp Wiring Configuration



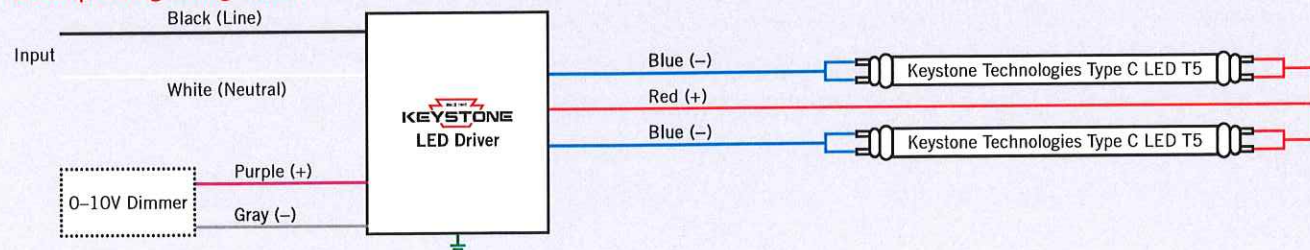
Note: Other manufacturers may use different colored wires.

NEW INSTALLATION: DOUBLE-ENDED WIRING

4-Lamp Wiring Configuration



2-Lamp Wiring Configuration



(continued on page 4)



EXTERNAL DRIVE LED

TYPE C LED TUBES

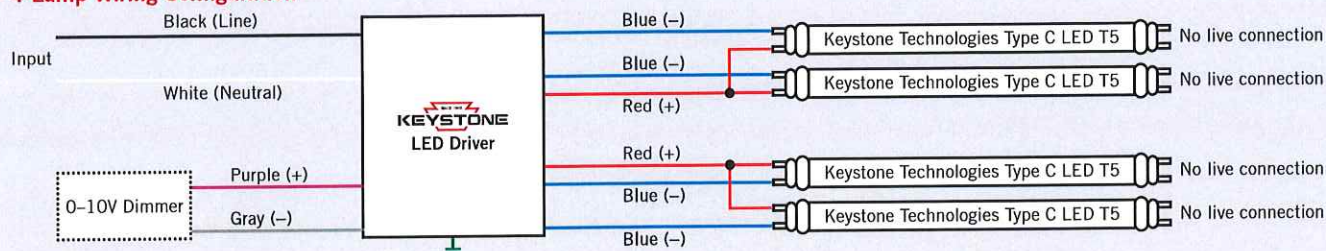
KT-LED8T5HE-24G-8XX-E

T5 LED LAMP

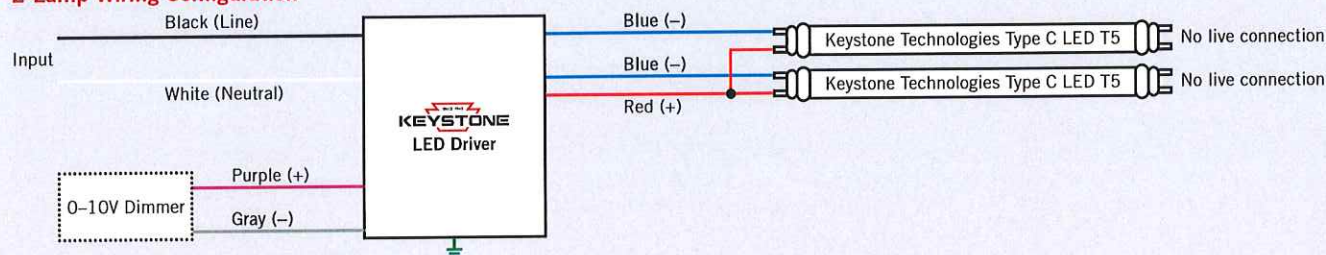
WIRING INSTRUCTIONS *(continued)*

NEW INSTALLATION: SINGLE-ENDED WIRING

4-Lamp Wiring Configuration



2-Lamp Wiring Configuration



6. Close compartment cover and make sure live parts are not accessible. Affix field-applied label in a visible section inside the luminaire.
7. Install the LED tubes and cover the diffuser (if applicable).
8. Turn on power and verify that the tubes are working correctly. **If not, immediately turn off power and contact Keystone Technologies.**

ORDERING INFORMATION

| ORDER CODE | PACK QTY. | EASY CODE | UPC |
|-----------------------|-----------|-----------|--------------|
| KT-LED8T5HE-24G-835-E | 25 | XAD-51 | 843654132983 |
| KT-LED8T5HE-24G-840-E | 25 | KLO-14 | 843654132990 |
| KT-LED8T5HE-24G-850-E | 25 | WZC-19 | 843654133003 |

CATALOG NUMBER BREAKDOWN

KT-LED8T5HE-24G-8XX-E

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-------------------------|------------|-----------|-------------|---------------------------|----------------------|-------|---------------------|-------------------------|
| 1 Keystone Technologies | 2 LED Lamp | 3 Wattage | 4 Lamp Type | 5 Nominal Length (Inches) | 6 Glass Construction | 7 CRI | 8 Color Temperature | 9 External Drive Series |



EXTERNAL DRIVE LED

TYPE C LED TUBES

KT-LED8T8-24G-8XX-E

T8 LED LAMP

DESCRIPTION

8W T8 LED Tube | Type C | 3000–5000K | >83 CRI | 0–10V Dimming



RoHS
Compliant

5 YEAR
WARRANTY

LAMP TYPE: Linear

BULB TYPE: T8 LED

BASE TYPE: G13 (Medium Bi-Pin)

DIMMING TYPE: 0–10V

WATTAGE: 8W

LAMP INPUT VOLTAGE: 36–45Vdc

COLOR TEMPERATURE: 3000–5000K

COLOR RENDERING INDEX (CRI): >83



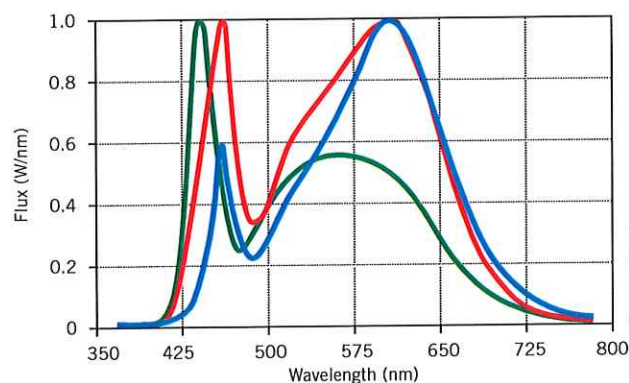
PRODUCT FEATURES

- Compatible with Keystone external drive LED drivers
- Replacement for conventional fluorescent lamps
- 50,000+ hour lifetime
- Type C application for custom installations and maximum efficiency
- Environmentally friendly: No mercury used
- Instant startup
- Frosted glass eliminates pixelation
- UL Classified (pending)
- Operating temperature: –20°C/–4°F to 45°C/113°F
- 120+ lumens per watt
- DLC Listed

OPERATING SPECIFICATIONS

| | | KTLD-2LT8-UV-8C-VDIM | | | | | | KTLD-4LT8-UV-8C-VDIM | | | | | | |
|---------------------|-------------|----------------------|----------------|------------------|---------------------|----------------|------------------|----------------------|----------------|------------------|---------------------|----------------|------------------|--------------|
| Catalog Number | Color Temp. | 1 Lamp | | | 2 Lamps | | | 3 Lamps | | | 4 Lamps | | | Power Factor |
| | | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | |
| KT-LED8T8-24G-830-E | 3000K | 9W | 1,100 | 122 lm/W | 18W | 2,200 | 122 lm/W | 27W | 3,300 | 122 lm/W | 36W | 4,400 | 122 lm/W | >0.9 |
| KT-LED8T8-24G-835-E | 3500K | 9W | 1,125 | 125 lm/W | 18W | 2,250 | 125 lm/W | 27W | 3,375 | 125 lm/W | 36W | 4,500 | 125 lm/W | >0.9 |
| KT-LED8T8-24G-840-E | 4000K | 9W | 1,150 | 128 lm/W | 18W | 2,300 | 128 lm/W | 27W | 3,450 | 128 lm/W | 36W | 4,600 | 128 lm/W | >0.9 |
| KT-LED8T8-24G-850-E | 5000K | 9W | 1,200 | 133 lm/W | 18W | 2,400 | 133 lm/W | 27W | 3,600 | 133 lm/W | 36W | 4,800 | 133 lm/W | >0.9 |

SPECTRAL DISTRIBUTION



RATED LIFE

L70 (Hours) 50,000

BEAM ANGLE: 240°

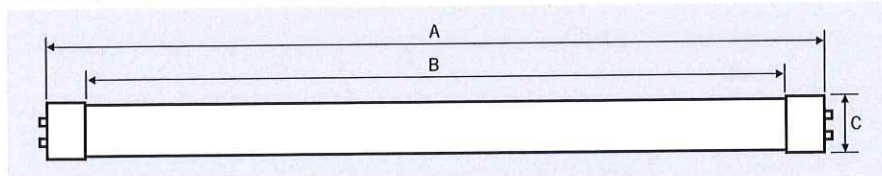
VISIBLE LIGHT AREA: 325°



KT-LED8T8-24G-8XX-E

T8 LED LAMP

PHYSICAL CHARACTERISTICS

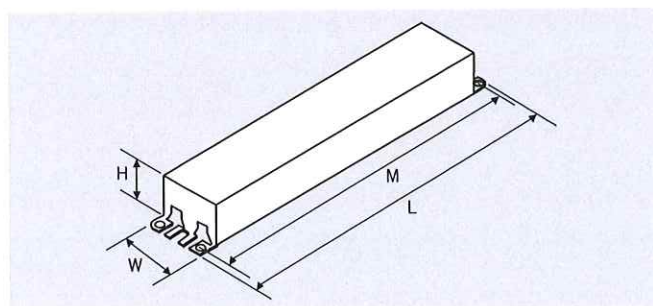


LAMP DIMENSIONS

| | |
|------------------------|--------|
| A (Body Length) | 23.23" |
| B (Illuminated Length) | 22.12" |
| C (Diameter) | 1.00" |

NOMINAL LENGTH: 48"

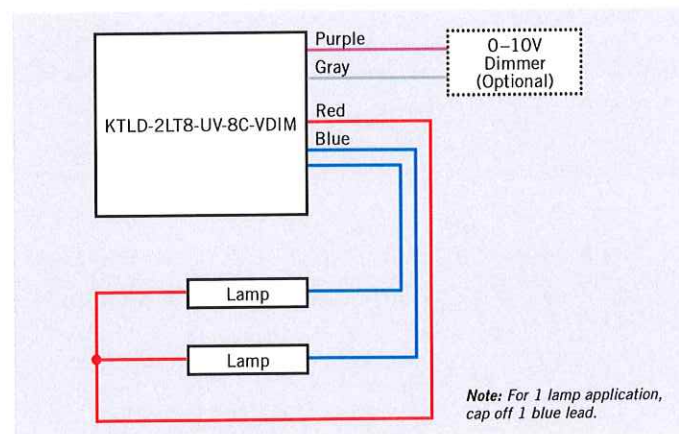
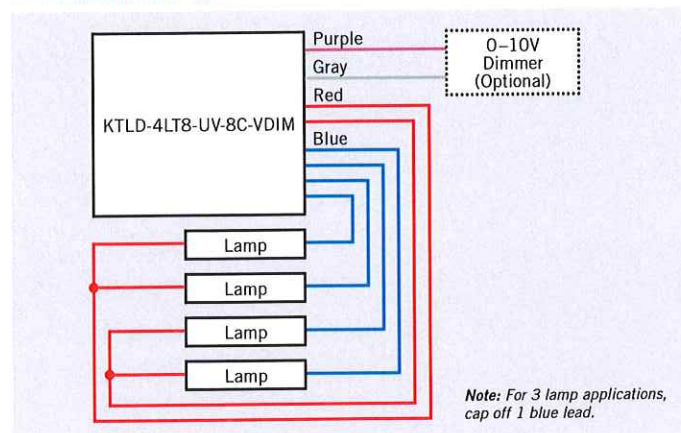
BASE TYPE: G13 (Medium Bi-Pin)



DRIVER DIMENSIONS

| KTLD-2LT8-UV-8C-VDIM | | KTLD-4LT8-UV-8C-VDIM | |
|----------------------|-------|----------------------|-------|
| Length (L) | 9.50" | Length (L) | 9.60" |
| Width (W) | 1.30" | Width (W) | 1.80" |
| Height (H) | 1.10" | Height (H) | 1.30" |
| Mounting (M) | 8.90" | Mounting (M) | 8.90" |

WIRING DIAGRAMS





KT-LED8T8-24G-8XX-E

T8 LED LAMP

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|------------------------|-----------------------------------|-----------|-------------|
| KT-LED8T8-24G-8XX-E-CP | Carton Pack (Egg Crate Packaging) | 25 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED8T8-24G-8XX-E

1 2 3 4 5 6 7 8 9

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Glass Construction
- 7 800 Series
- 8 Color Temperature
- 9 External Drive Series



EXTERNAL DRIVE LED

TYPE C LED TUBES

KT-LED12T5HE-48G-8XX-E

T5 LED LAMP

DESCRIPTION

12W T5 LED Tube | Type C | 3500–5000K | >82 CRI | 0–10V Dimming



RoHS
Compliant

5 YEAR
WARRANTY

LAMP TYPE: Linear

BULB TYPE: T5 LED

BASE TYPE: G5

DIMMING TYPE: 0–10V

WATTAGE: 12W

LAMP INPUT VOLTAGE: 36–45Vdc

COLOR TEMPERATURE: 3500–5000K

COLOR RENDERING INDEX (CRI): >82



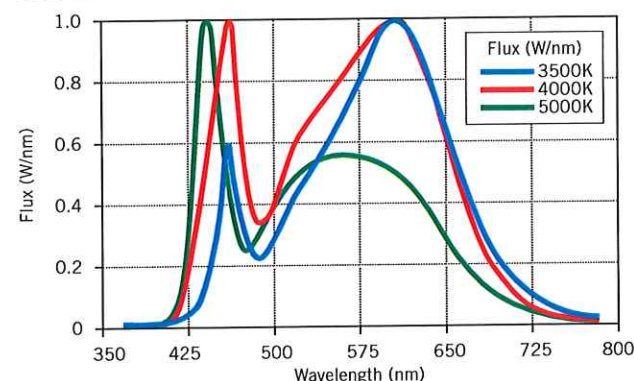
PRODUCT FEATURES

- UL Type C LED tubes, powered by Keystone Type C LED drivers
- UL Classified Std. 1598C
- Glass construction with metal end caps
- Operating temperature: -20°C/-4°F to 45°C/113°F
- THD <15% at full driver load
- PF >0.90 at full driver load
- 0–10V dimmable
- 50,000+ hours lifetime
- Keystone tube and driver pairing wires either single-ended or double-ended. See wiring diagrams for details and common ballast retrofit scenarios
- Low optical flicker

LAMP SPECIFICATIONS

| | | Driver: KTLD-2LT5HE-UV-12C-VDIM | | | | | | Driver: KTLD-4LT5HE-UV-12C-VDIM | | | | | | |
|------------------------|-------------|---------------------------------|----------------|------------------|---------------------|----------------|------------------|---------------------------------|----------------|------------------|---------------------|----------------|------------------|--------------|
| | | 1 Lamp | | | 2 Lamps | | | 3 Lamps | | | 4 Lamps | | | |
| Catalog Number | Color Temp. | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Nominal Input Power | Nominal Lumens | Nominal Efficacy | Power Factor |
| KT-LED12T5HE-48G-835-E | 3500K | 13W | 1700 lm | 130 lm/W | 26W | 3400 lm | 130 lm/W | 39W | 5100 lm | 130 lm/W | 52W | 6800 lm | 130 lm/W | >0.9 |
| KT-LED12T5HE-48G-840-E | 4000K | 13W | 1750 lm | 134 lm/W | 26W | 3500 lm | 134 lm/W | 39W | 5200 lm | 134 lm/W | 52W | 6900 lm | 134 lm/W | >0.9 |
| KT-LED12T5HE-48G-850-E | 5000K | 13W | 1800 lm | 138 lm/W | 26W | 3600 lm | 138 lm/W | 39W | 5400 lm | 138 lm/W | 52W | 7200 lm | 138 lm/W | >0.9 |

SPECTRAL DISTRIBUTION



RATED LIFE

L70 (Hours) 50,000

BEAM ANGLE: 240°

VISIBLE LIGHT AREA: 325°

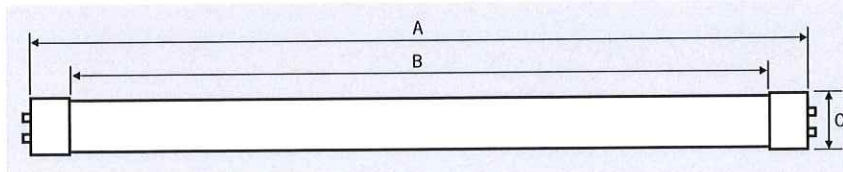
KT-LED12T5HE-48G-8XX-E

T5 LED LAMP

DRIVER SPECIFICATIONS

| Catalog Number | Description | Dimensions |
|-------------------------|--|-----------------------|
| KTLD-2LT5HE-UV-12C-VDIM | Driver for (2) 4' T5 Type C lamps; 120-277V input, 0-10V dimming; 270mA output current | 1.10" × 1.33" × 9.50" |
| KTLD-4LT5HE-UV-12C-VDIM | Driver for (4) 4' T5 Type C lamps; 120-277V input, 0-10V dimming; 270mA output current | 1.30" × 1.80" × 9.60" |

PHYSICAL CHARACTERISTICS

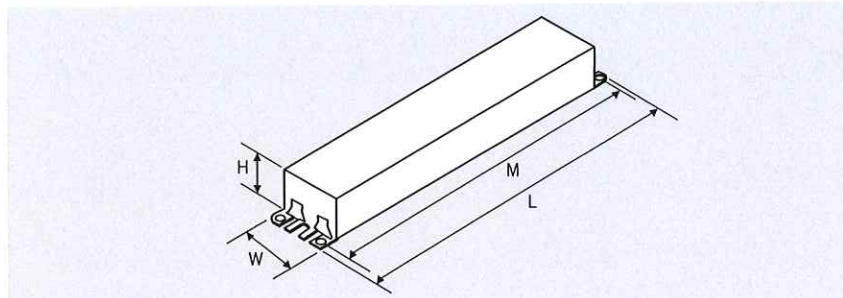


LAMP DIMENSIONS

| | |
|------------------------|--------|
| A (Body Length) | 47.24" |
| B (Illuminated Length) | 45.50" |
| C (Diameter) | 0.63" |

NOMINAL LENGTH: 48"

BASE TYPE: G5



DRIVER DIMENSIONS

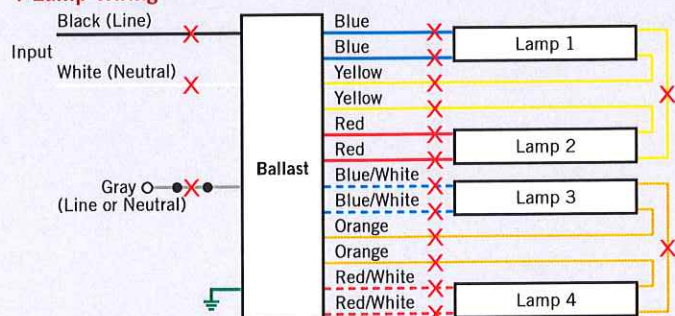
| KTLD-2LT5HE-UV-12C-VDIM | KTLD-4LT5HE-UV-12C-VDIM |
|-------------------------|-------------------------|
| L (Length) | 9.50" |
| W (Width) | 1.33" |
| H (Height) | 1.10" |
| M (Mounting) | 8.90" |

WIRING INSTRUCTIONS

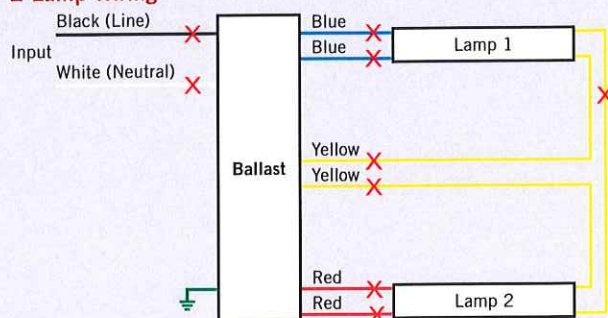
1. Shut off power.
2. Remove existing fluorescent tube(s) and diffuser (if applicable).
3. Open ballast compartment cover, cut all wires (as shown below), and remove existing ballast. Disconnect starter (if applicable).

TYPICAL BALLAST CONFIGURATIONS

4-Lamp Wiring



2-Lamp Wiring



(continued on page 3)



EXTERNAL DRIVE LED

TYPE C LED TUBES

KT-LED12T5HE-48G-8XX-E

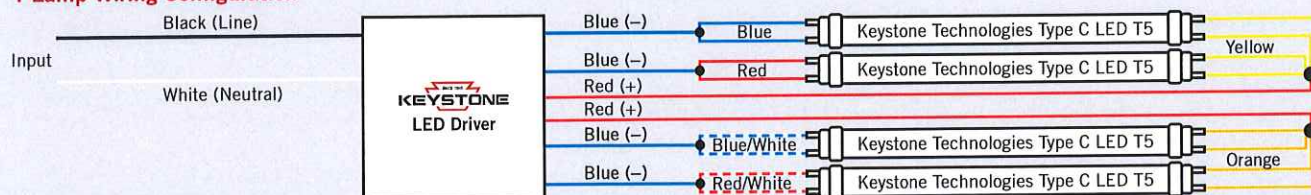
T5 LED LAMP

WIRING INSTRUCTIONS (continued)

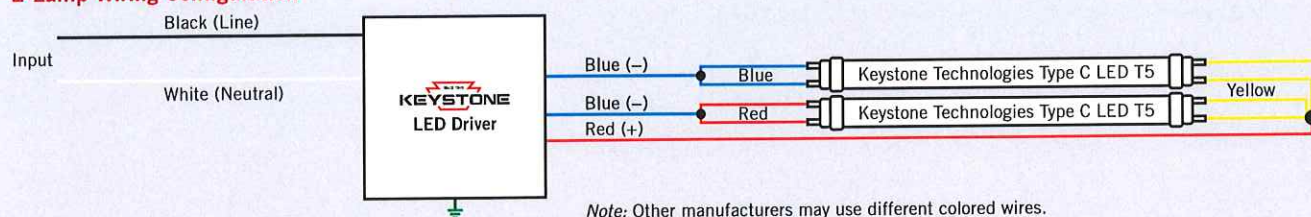
- Check the mounting holes of ballast to see whether they are suitable to install LED driver. If not, drill new holes for mounting. Install LED driver to luminaire using screws.
- Wire according to diagrams (as shown below). **Note: Do not leave any loose wires exposed.**

RETROFIT WIRING

4-Lamp Wiring Configuration

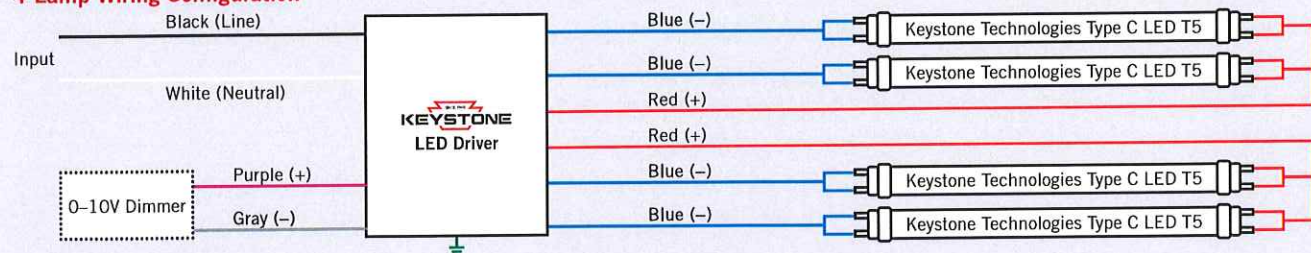


2-Lamp Wiring Configuration

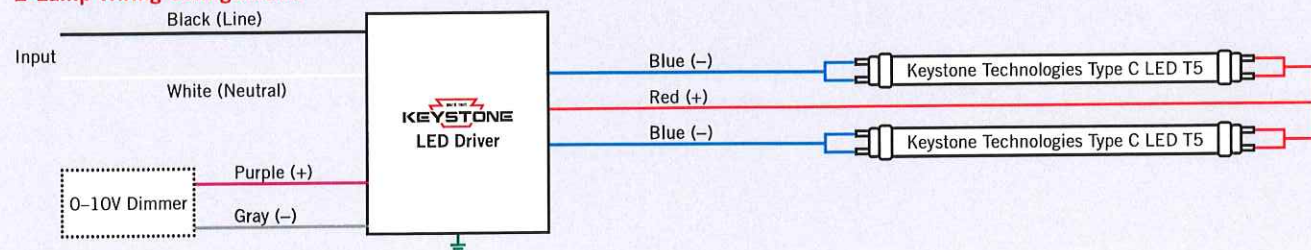


NEW INSTALLATION: DOUBLE-ENDED WIRING

4-Lamp Wiring Configuration



2-Lamp Wiring Configuration



(continued on page 4)



EXTERNAL DRIVE LED

TYPE C LED TUBES

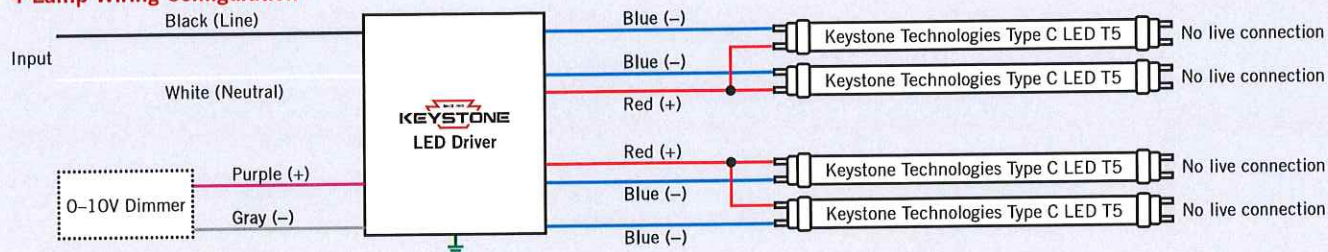
KT-LED12T5HE-48G-8XX-E

T5 LED LAMP

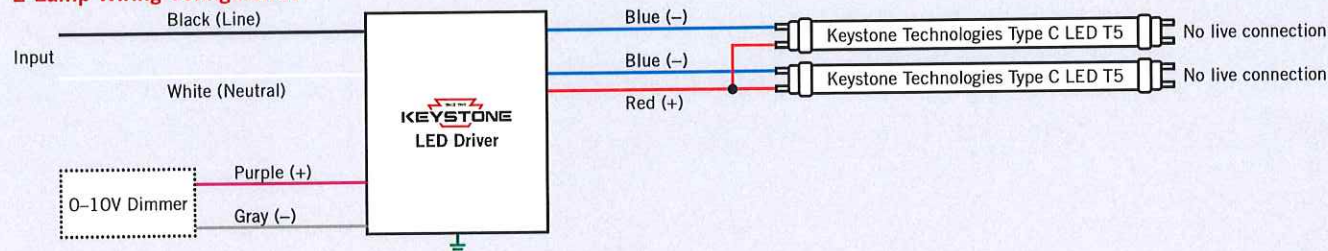
WIRING INSTRUCTIONS (continued)

NEW INSTALLATION: SINGLE-ENDED WIRING

4-Lamp Wiring Configuration



2-Lamp Wiring Configuration



6. Close compartment cover and make sure live parts are not accessible. Affix field-applied label in a visible section inside the luminaire.
7. Install the LED tubes and cover the diffuser (if applicable).
8. Turn on power and verify that the tubes are working correctly. **If not, immediately turn off power and contact Keystone Technologies.**

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|------------------------|-----------------------------------|-----------|-------------|
| KT-LED12T5HE-48G-8XX-E | Carton Pack (Egg Crate Packaging) | 25 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED12T5HE-48G-8XX-E

1 2 3 4 5 6 7 8 9

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Nominal Length (Inches)
- 6 Glass Construction
- 7 800 Series
- 8 Color Temperature
- 9 External Drive Series

Catalog # :

Project :

Prepared By :

Date :



Mirada Medium - MRM Outdoor LED Area Light

The Mirada's sleek design makes it perfectly-suited for architectural & commercial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Mirada offers high performance factory-rotatable silicone optics, 5 standard CCTs, 42,000+ delivered lumens, and is available with integral Airlink™ Wireless Controls.

Features & Specifications

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance. See page 5 for more details.

Electrical

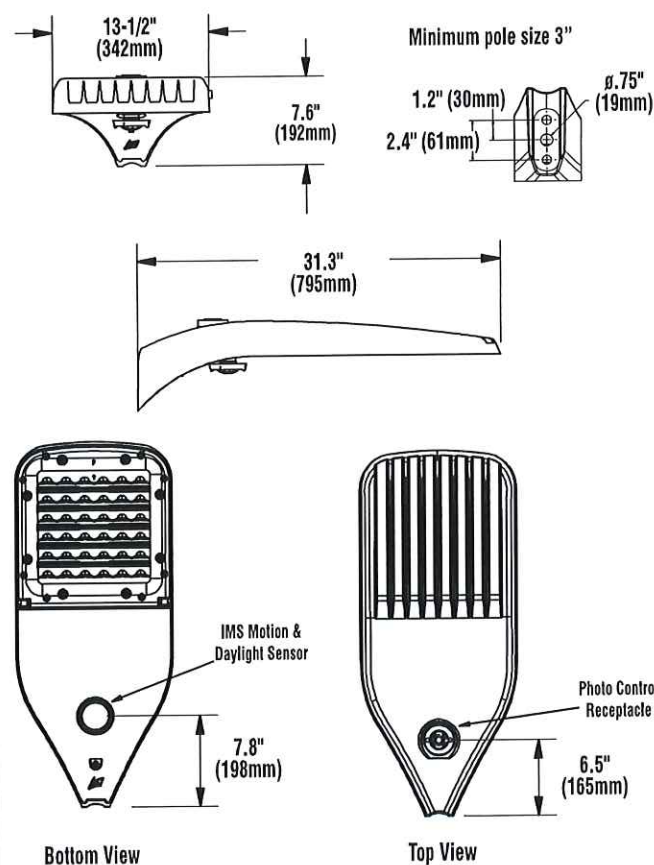
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Terminal block provided accepts up to 10ga wire.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.



IP66

ROHS
COMPLIANTARRA
Funding Compliant

Product Dimensions





Mirada Medium - MRM Outdoor LED Area Light

Features & Specifications (Cont.)

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Luminaire is proudly manufactured in the U.S. of U.S. and imported parts.
- IP66 rated luminaire protects integral components from harsh environments.
- 3G rated for ANSI C136.31 high vibration applications
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Controls

Wireless Controls System

To make this fixture AirLink ready, simply order one of the following options:

- a. The integrated [Wireless Lighting Controller](#): ALSC or ALSCH (see ordering guide) as the controls option, or
- b. Integrated Wireless Controller option (above) with integrated motion sensor: ALSCS (ordering guide for mounting heights) or
- c. The 7-Pin Photoelectric Control Receptacle: CR7P as the controls option; and either the [5-Pin](#) or [7-Pin Twist Lock Controller](#): ALSC UNV TL5 or ALSC UNV TL7 as an accessory

To see how the components of AirLink system work together, reference the diagram in the controls section of this specsheet. For more information on our AirLink products, visit our website: www.lsi-airlink.com/airlink-synapse/

Stand-Alone Controls

- The integral passive infrared motion sensor (IMS) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photocell receptacle option (CR7P) is available for twist lock photocell controls or wireless control modules.
- The Button Type Photocells (PCI) are capable of switching luminaires ON/OFF in response to the amount of available daylight.

Installation

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing/servicing.
- Included terminal block provides quick and easy on-site wiring.
- Utilizes LSI's traditional 3" drill pattern for easy fastening of LSI products. (See drawing on page 1)

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable For wet Locations.
- IP66 rated Luminaire. IP66 rated optical chamber.
- 3G rated for ANSI C136.31 high vibration applications
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Performance

ELECTRICAL DATA (AMPS)*

| Lumens | Watts | 120V | 208V | 240V | 277V | 347V | 480V |
|--------|-------|------|------|------|------|------|------|
| 7L | 53 | 0.4A | 0.3A | 0.2A | 0.2A | 0.2A | 0.1A |
| 9L | 69 | 0.6A | 0.3A | 0.3A | 0.2A | 0.2A | 0.1A |
| 12L | 94 | 0.8A | 0.5A | 0.4A | 0.3A | 0.3A | 0.2A |
| 18L | 150 | 1.2A | 0.7A | 0.6A | 0.5A | 0.4A | 0.3A |
| 24L | 187 | 1.6A | 0.9A | 0.8A | 0.7A | 0.5A | 0.4A |
| 30L | 247 | 2.1A | 1.2A | 1.0A | 0.9A | 0.7A | 0.5A |
| 36L | 317 | 2.6A | 1.5A | 1.3A | 1.1A | 0.9A | 0.7A |
| 42L | 390 | 3.2A | 1.9A | 1.6A | 1.4A | 1.1A | 0.8A |

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*

| Lumens | Watts | 120V | 208V | 240V | 277V | 347V | 480V |
|--------|-------|------|------|------|------|------|------|
| 9L | 74.3 | 0.6A | 0.4A | 0.3A | 0.3A | 0.2A | 0.2A |
| 12L | 102.9 | 0.9A | 0.5A | 0.4A | 0.4A | 0.3A | 0.2A |

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE¹(24-42L)

| Ambient | Initial ² | 25 hr ² | 50 hr ² | 75 hr ² | 100 hr ³ |
|---------|----------------------|--------------------|--------------------|--------------------|---------------------|
| 0-40 C | 100% | 100% | 97% | 94% | 92% |

RECOMMENDED LUMEN MAINTENANCE¹(7-18L)

| Ambient | Initial ² | 25 hr ² | 50 hr ² | 75 hr ² | 100 hr ³ |
|---------|----------------------|--------------------|--------------------|--------------------|---------------------|
| 0-50 C | 100% | 96% | 92% | 88% | 84% |

- 1- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- 2- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- 3- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

DELIVERED LUMENS*

| Lumen Package | Distribution | Phosphor Converted Amber (Peak 610nm) | | | Wattage |
|---------------|--------------|---------------------------------------|----------|------------|---------|
| | | Delivered Lumens | Efficacy | BUG Rating | |
| 9L | 2 | 5848 | 80 | B2-U0-G2 | 74 |
| | 2 - IL | 3644 | 50 | B0-U0-G1 | |
| | 3 | 6018 | 82 | B1-U0-G2 | |
| | 3 - IL | 4468 | 61 | B0-U0-G2 | |
| | 5W | 5471 | 74 | B3-U0-G1 | |
| | FT | 5801 | 79 | B1-U0-G2 | |
| | FT - IL | 3649 | 50 | B0-U0-G1 | |
| | FTA | 5924 | 81 | B1-U0-G1 | |
| 12L | FTA - IL | 4243 | 58 | B1-U0-G1 | 102 |
| | 2 | 7530 | 74 | B2-U0-G2 | |
| | 2 - IL | 4692 | 46 | B0-U0-G1 | |
| | 3 | 7749 | 76 | B1-U0-G2 | |
| | 3 - IL | 5753 | 57 | B0-U0-G2 | |
| | 5W | 7045 | 69 | B3-U0-G2 | |
| | FT | 7470 | 73 | B2-U0-G2 | |
| | FT - IL | 4699 | 46 | B0-U0-G2 | |
| | FTA | 7628 | 75 | B2-U0-G2 | |
| | FTA - IL | 5464 | 54 | B1-U0-G1 | |

*LED Chips are frequently updated therefore values are nominal

LUMINAIRE EPA CHART - MRM

| Tilt Degree | | | | | Tilt Degree | | | | |
|-------------|--|--|--|--|-------------|--|--|--|--|
| 0° | | | | | 0° | | | | |
| Single | | | | | T90° | | | | |
| 0.5 | | | | | 1.0 | | | | |
| 1.5 | | | | | 2.5 | | | | |
| 1.9 | | | | | 3.9 | | | | |
| D180° | | | | | TN120° | | | | |
| 1.0 | | | | | 1.0 | | | | |
| 1.5 | | | | | 3.3 | | | | |
| 1.9 | | | | | 2.8 | | | | |
| D90° | | | | | Q90° | | | | |
| 0.8 | | | | | 1.0 | | | | |
| 1.9 | | | | | 2.5 | | | | |
| 2.3 | | | | | | | | | |

Specifications and dimensions subject to change without notice.



Mirada Medium - MRM Outdoor LED Area Light

| DELIVERED LUMENS* | | | | | | | | | | | | | | | Wattage |
|-------------------|--------------|-------|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package | Distribution | CRI | 2700K CCT | | | 3000K CCT | | | 4000K CCT | | | 5000K CCT | | | |
| | | | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | |
| 7L | 2 | 70 | 6550 | 124 | B2-U0-G1 | 6711 | 127 | B2-U0-G1 | 7208 | 137 | B2-U0-G2 | 7596 | 144 | B2-U0-G2 | 53 |
| | 2 - IL | 70 | 4068 | 77 | B0-U0-G1 | 4167 | 79 | B0-U0-G1 | 4476 | 85 | B0-U0-G1 | 4717 | 89 | B0-U0-G1 | |
| | 3 | 70 | 6724 | 127 | B1-U0-G2 | 6889 | 130 | B1-U0-G2 | 7400 | 140 | B1-U0-G2 | 7798 | 148 | B1-U0-G2 | |
| | 3 - IL | 70 | 4929 | 93 | B0-U0-G2 | 5050 | 96 | B0-U0-G2 | 5424 | 103 | B0-U0-G2 | 5716 | 108 | B0-U0-G2 | |
| | 5W | 70 | 6400 | 121 | B3-U0-G1 | 6557 | 124 | B3-U0-G1 | 7043 | 133 | B3-U0-G2 | 7422 | 141 | B3-U0-G2 | |
| | FT | 70 | 6540 | 124 | B1-U0-G2 | 6701 | 127 | B1-U0-G2 | 7197 | 136 | B1-U0-G2 | 7584 | 144 | B2-U0-G2 | |
| | FT - IL | 70 | 4231 | 80 | B0-U0-G2 | 4334 | 82 | B0-U0-G2 | 4656 | 88 | B0-U0-G2 | 4906 | 93 | B0-U0-G2 | |
| | FTA | 70 | 6636 | 126 | B1-U0-G1 | 6799 | 129 | B2-U0-G1 | 7303 | 138 | B2-U0-G1 | 7696 | 146 | B2-U0-G1 | |
| FTA - IL | 70 | 4864 | 92 | B1-U0-G1 | 4984 | 94 | B1-U0-G1 | 5353 | 101 | B1-U0-G1 | 5641 | 107 | B1-U0-G1 | | |
| 9L | 2 | 70 | 8349 | 122 | B2-U0-G2 | 8576 | 125 | B2-U0-G2 | 9396 | 137 | B2-U0-G2 | 9784 | 143 | B2-U0-G2 | 69 |
| | 2 IL | 70 | 5185 | 76 | B0-U0-G1 | 5326 | 78 | B0-U0-G1 | 5835 | 85 | B0-U0-G1 | 6076 | 89 | B0-U0-G1 | |
| | 3 | 70 | 8571 | 125 | B1-U0-G2 | 8804 | 129 | B1-U0-G2 | 9646 | 141 | B2-U0-G2 | 10044 | 147 | B2-U0-G2 | |
| | 3 IL | 70 | 6283 | 92 | B0-U0-G2 | 6454 | 94 | B0-U0-G2 | 7071 | 103 | B0-U0-G2 | 7363 | 107 | B0-U0-G2 | |
| | 5W | 70 | 8158 | 119 | B3-U0-G2 | 8380 | 122 | B3-U0-G2 | 9181 | 134 | B3-U0-G2 | 9560 | 140 | B4-U0-G2 | |
| | FT | 70 | 8337 | 122 | B2-U0-G2 | 8563 | 125 | B2-U0-G2 | 9382 | 137 | B2-U0-G2 | 9769 | 143 | B2-U0-G2 | |
| | FT IL | 70 | 5393 | 79 | B0-U0-G2 | 5540 | 81 | B0-U0-G2 | 6069 | 89 | B0-U0-G2 | 6320 | 92 | B0-U0-G2 | |
| | FTA | 70 | 8459 | 123 | B2-U0-G2 | 8689 | 127 | B2-U0-G2 | 9520 | 139 | B2-U0-G2 | 9913 | 145 | B2-U0-G2 | |
| FTA IL | 70 | 6200 | 91 | B1-U0-G1 | 6369 | 93 | B1-U0-G1 | 6978 | 102 | B1-U0-G1 | 7266 | 106 | B1-U0-G1 | | |
| 12L | 2 | 70 | 11157 | 119 | B2-U0-G2 | 11461 | 122 | B2-U0-G2 | 12556 | 134 | B3-U0-G2 | 13075 | 139 | B3-U0-G2 | 94 |
| | 2 IL | 70 | 6929 | 74 | B1-U0-G1 | 7117 | 76 | B1-U0-G2 | 7798 | 83 | B1-U0-G2 | 8119 | 86 | B1-U0-G2 | |
| | 3 | 70 | 11454 | 122 | B2-U0-G2 | 11766 | 125 | B2-U0-G2 | 12890 | 137 | B2-U0-G2 | 13423 | 143 | B2-U0-G2 | |
| | 3 IL | 70 | 8396 | 89 | B0-U0-G2 | 8625 | 92 | B0-U0-G2 | 9449 | 101 | B0-U0-G2 | 9839 | 105 | B0-U0-G2 | |
| | 5W | 70 | 10902 | 116 | B4-U0-G2 | 11199 | 119 | B4-U0-G2 | 12269 | 131 | B4-U0-G2 | 12775 | 136 | B4-U0-G2 | |
| | FT | 70 | 11141 | 119 | B2-U0-G2 | 11444 | 122 | B2-U0-G2 | 12538 | 133 | B2-U0-G3 | 13055 | 139 | B2-U0-G3 | |
| | FT IL | 70 | 7207 | 77 | B0-U0-G2 | 7403 | 79 | B0-U0-G2 | 8110 | 86 | B0-U0-G2 | 8445 | 90 | B0-U0-G2 | |
| | FTA | 70 | 11304 | 120 | B2-U0-G2 | 11612 | 124 | B2-U0-G2 | 12722 | 135 | B2-U0-G2 | 13247 | 141 | B2-U0-G2 | |
| FTA IL | 70 | 8286 | 88 | B1-U0-G1 | 8511 | 91 | B1-U0-G1 | 9325 | 99 | B1-U0-G1 | 9710 | 103 | B1-U0-G1 | | |
| 18L | 2 | 70 | 16714 | 112 | B3-U0-G3 | 17168 | 115 | B3-U0-G3 | 18809 | 126 | B3-U0-G3 | 19586 | 131 | B3-U0-G3 | 150 |
| | 2 IL | 70 | 10379 | 69 | B1-U0-G2 | 10662 | 71 | B1-U0-G2 | 11681 | 78 | B1-U0-G2 | 12163 | 81 | B1-U0-G2 | |
| | 3 | 70 | 17158 | 115 | B2-U0-G3 | 17625 | 118 | B2-U0-G3 | 19310 | 129 | B3-U0-G3 | 20107 | 134 | B3-U0-G3 | |
| | 3 IL | 70 | 12578 | 84 | B1-U0-G3 | 12920 | 86 | B1-U0-G3 | 14155 | 95 | B1-U0-G3 | 14739 | 99 | B1-U0-G3 | |
| | 5W | 70 | 16331 | 109 | B4-U0-G2 | 16776 | 112 | B4-U0-G2 | 18379 | 123 | B4-U0-G2 | 19138 | 128 | B5-U0-G3 | |
| | FT | 70 | 16689 | 112 | B3-U0-G3 | 17143 | 115 | B3-U0-G3 | 18781 | 126 | B3-U0-G4 | 19557 | 131 | B3-U0-G4 | |
| | FT IL | 70 | 10795 | 72 | B1-U0-G2 | 11089 | 74 | B1-U0-G2 | 12149 | 81 | B1-U0-G3 | 12651 | 85 | B1-U0-G3 | |
| | FTA | 70 | 16934 | 113 | B3-U0-G3 | 17395 | 116 | B3-U0-G3 | 19058 | 127 | B3-U0-G3 | 19844 | 133 | B3-U0-G3 | |
| FTA IL | 70 | 12412 | 83 | B1-U0-G1 | 12750 | 85 | B1-U0-G2 | 13969 | 93 | B1-U0-G2 | 14546 | 97 | B1-U0-G2 | | |
| 24L | 2 | 70 | 20880 | 112 | B3-U0-G3 | 22701 | 121 | B4-U0-G3 | 24276 | 130 | B4-U0-G3 | 24784 | 133 | B4-U0-G3 | 187 |
| | 2 IL | 70 | 13100 | 70 | B1-U0-G2 | 14243 | 76 | B1-U0-G2 | 15231 | 81 | B1-U0-G2 | 15550 | 83 | B1-U0-G2 | |
| | 3 | 70 | 21739 | 116 | B3-U0-G3 | 23636 | 126 | B3-U0-G4 | 25275 | 135 | B3-U0-G4 | 25804 | 138 | B3-U0-G4 | |
| | 3 IL | 70 | 15828 | 85 | B1-U0-G3 | 17209 | 92 | B1-U0-G3 | 18403 | 98 | B1-U0-G4 | 18788 | 100 | B1-U0-G4 | |
| | 5W | 70 | 20632 | 110 | B5-U0-G3 | 22432 | 120 | B5-U0-G3 | 23988 | 128 | B5-U0-G3 | 24490 | 131 | B5-U0-G3 | |
| | FT | 70 | 21611 | 116 | B3-U0-G4 | 23496 | 126 | B3-U0-G4 | 25126 | 134 | B3-U0-G4 | 25652 | 137 | B3-U0-G4 | |
| | FT IL | 70 | 13692 | 73 | B1-U0-G3 | 14886 | 80 | B1-U0-G3 | 15919 | 85 | B1-U0-G3 | 16252 | 87 | B1-U0-G3 | |
| | FTA | 70 | 21496 | 115 | B3-U0-G3 | 23371 | 125 | B3-U0-G3 | 24992 | 134 | B3-U0-G3 | 25515 | 136 | B3-U0-G3 | |
| FTA IL | 70 | 15226 | 81 | B1-U0-G2 | 16555 | 89 | B1-U0-G2 | 17703 | 95 | B2-U0-G2 | 18073 | 97 | B2-U0-G2 | | |
| 30L | 2 | 70 | 26581 | 108 | B4-U0-G3 | 28900 | 117 | B4-U0-G3 | 30905 | 125 | B4-U0-G3 | 31551 | 128 | B4-U0-G3 | 247 |
| | 2 IL | 70 | 16677 | 68 | B1-U0-G2 | 18132 | 73 | B1-U0-G2 | 19390 | 79 | B1-U0-G2 | 19796 | 80 | B1-U0-G2 | |
| | 3 | 70 | 27675 | 112 | B3-U0-G4 | 30089 | 122 | B3-U0-G4 | 32176 | 130 | B3-U0-G4 | 32850 | 133 | B3-U0-G4 | |
| | 3 IL | 70 | 20150 | 82 | B1-U0-G4 | 21908 | 89 | B1-U0-G4 | 23428 | 95 | B1-U0-G4 | 23918 | 97 | B1-U0-G4 | |
| | 5W | 70 | 26266 | 106 | B5-U0-G3 | 28557 | 116 | B5-U0-G3 | 30538 | 124 | B5-U0-G4 | 31177 | 126 | B5-U0-G4 | |
| | FT | 70 | 27512 | 111 | B3-U0-G4 | 29912 | 121 | B3-U0-G4 | 31987 | 130 | B3-U0-G4 | 32656 | 132 | B3-U0-G5 | |
| | FT IL | 70 | 17430 | 71 | B1-U0-G3 | 18951 | 77 | B1-U0-G4 | 20266 | 82 | B1-U0-G4 | 20690 | 84 | B1-U0-G4 | |
| | FTA | 70 | 27365 | 111 | B3-U0-G3 | 29752 | 120 | B4-U0-G3 | 31816 | 129 | B4-U0-G3 | 32482 | 132 | B4-U0-G3 | |
| FTA IL | 70 | 19384 | 78 | B2-U0-G2 | 21075 | 85 | B2-U0-G2 | 22537 | 91 | B2-U0-G2 | 23008 | 93 | B2-U0-G2 | | |
| 36L | 2 | 70 | 32214 | 102 | B4-U0-G3 | 35025 | 111 | B4-U0-G3 | 37454 | 118 | B4-U0-G3 | 38238 | 121 | B4-U0-G4 | 317 |
| | 2 IL | 70 | 20212 | 64 | B1-U0-G2 | 21975 | 69 | B1-U0-G3 | 23499 | 74 | B2-U0-G3 | 23991 | 76 | B2-U0-G3 | |
| | 3 | 70 | 33540 | 106 | B3-U0-G4 | 36466 | 115 | B3-U0-G5 | 38996 | 123 | B3-U0-G5 | 39812 | 126 | B3-U0-G5 | |
| | 3 IL | 70 | 24421 | 77 | B1-U0-G4 | 26551 | 84 | B1-U0-G4 | 28393 | 90 | B1-U0-G4 | 28987 | 92 | B1-U0-G5 | |
| | 5W | 70 | 31832 | 101 | B5-U0-G4 | 34609 | 109 | B5-U0-G4 | 37010 | 117 | B5-U0-G4 | 37785 | 119 | B5-U0-G4 | |
| | FT | 70 | 33342 | 105 | B3-U0-G5 | 36251 | 114 | B3-U0-G5 | 38766 | 122 | B4-U0-G5 | 39577 | 125 | B4-U0-G5 | |
| | FT IL | 70 | 21125 | 67 | B1-U0-G4 | 22968 | 73 | B1-U0-G4 | 24561 | 78 | B1-U0-G4 | 25075 | 79 | B1-U0-G4 | |
| | FTA | 70 | 33164 | 105 | B4-U0-G3 | 36058 | 114 | B4-U0-G4 | 38559 | 122 | B4-U0-G4 | 39366 | 124 | B4-U0-G3 | |
| FTA IL | 70 | 23492 | 74 | B2-U0-G2 | 25541 | 81 | B2-U0-G2 | 27313 | 86 | B2-U0-G2 | 27885 | 88 | B2-U0-G2 | | |
| 42L | 2 | 70 | 36785 | 94 | B4-U0-G3 | 39994 | 103 | B5-U0-G4 | 42768 | 110 | B5-U0-G4 | 43663 | 112 | B5-U0-G4 | 390 |
| | 2 IL | 70 | 23079 | 59 | B1-U0-G3 | 25093 | 64 | B2-U0-G3 | 26833 | 69 | B2-U0-G3 | 27395 | 70 | B2-U0-G3 | |
| | 3 | 70 | 38299 | 98 | B3-U0-G5 | 41640 | 107 | B4-U0-G5 | 44528 | 114 | B4-U0-G5 | 45460 | 117 | B4-U0-G5 | |
| | 3 IL | 70 | 27886 | 72 | B1-U0-G4 | 30319 | 78 | B1-U0-G5 | 32422 | 83 | B1-U0-G5 | 33100 | 85 | B1-U0-G5 | |
| | 5W | 70 | 36349 | 93 | B5-U0-G4 | 39520 | 101 | B5-U0-G4 | 42261 | 108 | B5-U0-G4 | 43145 | 111 | B5-U0-G4 | |
| | FT | 70 | 38073 | 98 | B4-U0-G5 | 41395 | 106 | B4-U0-G5 | 44266 | 114 | B4-U0-G5 | 45192 | 116 | B4-U0-G5 | |
| | FT IL | 70 | 24122 | 62 | B1-U0-G4 | 26226 | 67 | B1-U0-G4 | 28045 | 72 | B1-U0-G4 | 28632 | 73 | B1-U0-G4 | |
| | FTA | 70 | 37870 | 97 | B4-U0-G4 | 41174 | 106 | B4-U0-G4 | 44030 | 113 | B4-U0-G4 | 44951 | 115 | B4-U0-G4 | |
| FTA IL | 70 | 26825 | 69 | B2-U0-G2 | 29165 | 75 | B2-U0-G2 | 31188 | 80 | B2-U0-G2 | 31841 | 82 | B2-U0-G2 | | |

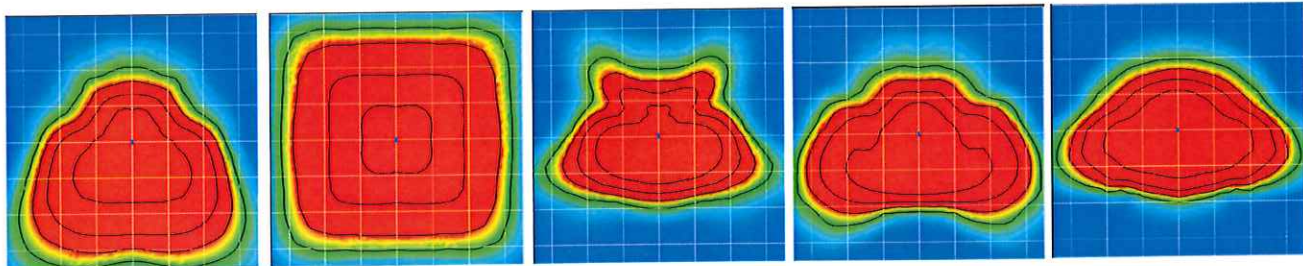
*LED Chips are frequently updated therefore values are nominal
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Mirada Medium - MRM Outdoor LED Area Light

Performance (Cont.)

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Mirada (MRM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



FT

5W

FTA

Type 3

Type 2

Ordering Guide

TYPICAL ORDER EXAMPLE: **MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

| Luminaire Prefix | Light Source | Lumen Package* | Light Output | Distribution | Orientation ¹ | Voltage | Driver |
|------------------|--------------|---|----------------|--|---|--|-----------------------------|
| MRM Mirada | LED | 7L - 7,000 lms 9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms *Consult factory for programmable wattages and lumen packages | SIL - Silicone | 2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive | (blank) - standard L - Optics rotated left 90 R - Optics rotated right 90 | UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V) | DIM - 0-10V Dimming (0-10%) |

| Color Temp | Color Rendering | Controls (Choose One) | Finish | Options |
|---|-----------------|--|---|--|
| 50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT ² 27 - 2,700 CCT ² AMB - Phosphor Converted Amber ^{2,3} | 70CRI - 70 CRI | <u>(Blank) - None</u> <u>Wireless Controls System</u> ALSC - AirLink Synapse Control System ⁴ ALSCH - AirLink Synapse Control System Host / Satellite ^{4,5} ALSCS01 - AirLink Synapse Control System with 8-12' Motion Sensor ⁴ ALSCHS01 - AirLink Synapse Control System Host / Satellite with 8-12' Motion Sensor ^{4,5} ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor ⁴ ALSCHS02 - AirLink Synapse Control System Host / Satellite with 12-20' Motion Sensor ^{4,5} ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor ⁴ ALSCHS04 - AirLink Synapse Control System Host / Satellite with 20-40' Motion Sensor ^{4,5} <u>Stand-Alone Controls</u> EXT - 0-10v Dimming (from external signal) IMS0M1 - Integral Motion Sensor 8-12' 120-277V ^{4,6} IMS0M2 - Integral Motion Sensor 12-20' 120-277V ^{4,6} IMS0M4 - Integral Motion Sensor 20-40' 120-277V ^{4,6} IMS0M1HV - Integral Motion Sensor 8-12' 347-480V ^{6,11} IMS0M2HV - Integral Motion Sensor 12-20' 347-480V ^{6,11} IMS0M4HV - Integral Motion Sensor 20-40' 347-480V ^{6,11} CR7P - 7 Pin Control Receptacle ANSI C136.41 ⁷ <u>Button Type Photocells</u> PCI120 - 120V PCI208-277 - 208 -277V PCI347 - 347V | BRZ - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green | <u>(Blank) - None</u> IL - Integral Louver HSS ¹ |



Mirada Medium - MRM Outdoor LED Area Light

Accessory Ordering Information

| Description | Order Number | Description | Order Number |
|--|--------------|---|----------------------|
| PC120 Photocell for use with CR7P option (120V) ⁹ | 122514 | Pole Quick Mount Bracket - Square Pole ¹⁰ | 687073CLR |
| PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) ⁹ | 122515 | Pole Quick Mount Bracket - 4-5" Round Pole ¹⁰ | 689903CLR |
| PC347 Photocell for use with CR7P option (347V) ⁹ | 159516 | 15° Tilt Pole Quick Mount Bracket - Square Pole ¹⁰ | 688003CLR |
| PC480 Photocell for use with CR7P option (480V) ⁹ | 1225180 | 15° Tilt Pole Quick Mount Bracket - 4-5" Round Pole ¹⁰ | 689905CLR |
| ALSC UNV TL5 - Airlink 5Pin Twist Lock Controller ^{4,9} | 661409 | BKS XBO WM * CLR Wall Mount Bracket ¹⁰ | 382132CLR |
| ALSC UNV TL7 - Airlink 7Pin Twist Lock Controller ^{4,9} | 661410 | BAK-XMA-XALM-CLR | 652761 |
| PMOS24 - 24V Pole-Mount Occupancy Sensor (ALSC/H Compatible) ¹⁰ | 663284CLR | FK120 Single Fusing (120V) | FK120 ¹² |
| IMS/PC Remote Configurator Tool | 584929 | FK277 Single Fusing (277V) | FK277 ¹² |
| IL - Integral Louver HSS | 684812 | DFK480 Double Fusing (480V) | DFK480 ¹² |
| Universal Mounting Bracket (UMB) ¹⁰ | 684616CLR | FK347 Single Fusing (347V) | FK347 ¹² |
| Adjustable Slip Fitter (ASF) ¹⁰ | 688138CLR | | |

FOOTNOTES:

- 1 - Not available on "Type 5W" distribution.
- 2 - Consult Factory for availability.
- 3 - Only available in 9L and 12L Lumen Packages
- 4 - Not available in HV.
- 5 - Consult Factory for Site Layout
- 6 - IMS is field adjustable, via a hand held Remote Configurator Tool, which must be ordered separately. See Accessory Ordering Information.

7 - Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information.

8 - Accessories are shipped separately and field installed.

9 - Factory installed CR7P option required. See Options.

10 - "CLR" denotes finish. See Finish options.

11 - Not available in UNV.

12 - Fusing must be located in hand hole of pole.

Accessories/Options

Integral Louver (IL)

Accessory Integral Louver available for improved back-light control without sacrificing street side performance. LSI's Integral Louver (IL) option delivers backlight control that significantly reduces light spill behind the pole for applications with pole locations close to adjacent properties. The integrated louvers' design maximizes forward-reflected light while reducing glare, maintaining the optical distribution selected, and most importantly, eliminating light trespass. IL rotates with optical distribution.

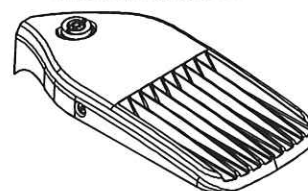
Luminaire Shown with Integral Louver (IL)



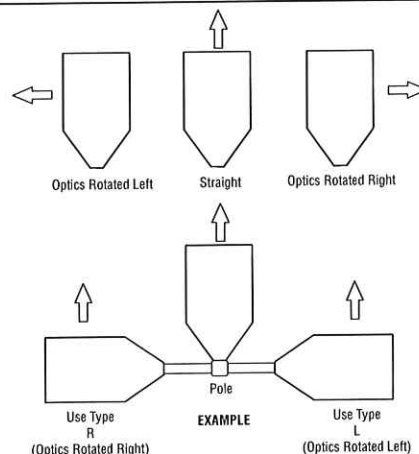
7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Fixture Shown with CR7P



Optics Rotation





Mirada Medium - MRM Outdoor LED Area Light

Stand-alone Controls: Occupancy Sensor (IMS)

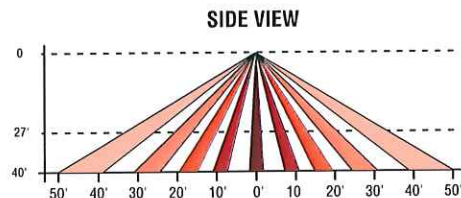
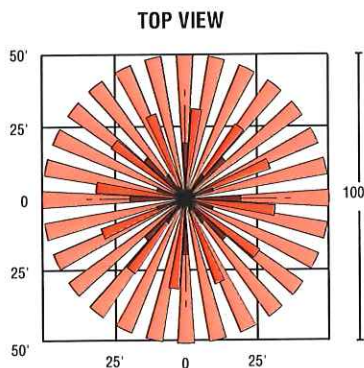
The integral passive infrared motion sensor activates switching of luminaire light levels. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Lowlight level (10% maximum drive current) is activated when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone.

The Remote Configurator Tool allows for easy and safe programming of each luminaire from ground level. See the [Remote Configurator User Guide](#) for programming instructions.

When ordering the Stand-alone Occupancy Sensor on the fixture, you must include IMS (see ordering guide for mounting height options) as the controls option in the fixture nomenclature.

To order as a motion sensor with the AirLink Wireless Control System, see ordering guide under "Wireless Controls System" and select the ALSCS controls option with the desired mounting height.

IMS Coverage Diagrams



Remote Configurator Tool



Luminaire Shown with IMS





Mirada Medium - MRM Outdoor LED Area Light



AirLink™
enabled by Synapse®

The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

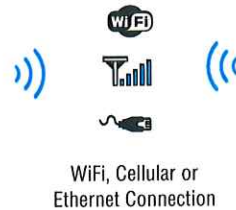
Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

The AirLink System

Wireless controls & sensors



Centralized control & integration



Simple-to-use software



AirLink Site Manager: Lighting control web app

Contact LSI Controls



Sales
controls.sales@lsi-industries.com



Support
controls.support@lsi-industries.com
1 (800) 436-7800 (support, option 8)



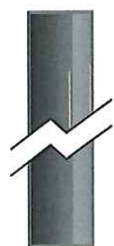
More information
For more information on AirLink, visit our website at www.lsi-airlink.com



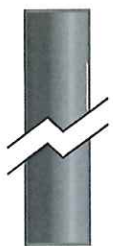
Mirada Medium - MRM Outdoor LED Area Light

poles & Brackets

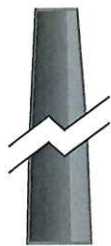
LSI offers a full line of poles and brackets to complete your lighting assembly. Our USA manufacturing facility has the same high quality standards for our poles and brackets as we do our lighting fixtures.



Steel
Square
Pole
14'-39'



Steel
Round
Pole
10'-30'



Steel
Tapered
Pole
20'-39'

BKA-XMA-XALM-CLR

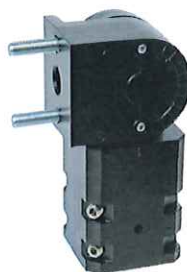


The Mirada Slip Fitter is a aesthetically pleasing 3G rated die cast aluminum adapter. Designed specifically to mount the MRM onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon. The Mirada Slip Fitter allows for leveling via integrated steps to adjust the luminaire +/- 3 Degrees.



BKA UMB CLR

The 3G rated Universal Mounting Bracket (UMB) allows for seamless integration of LSI Luminaires onto existing or new construction poles. The UMB bracket was designed specifically for square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5"-5".



BKA ASF CLR

The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45° and 90° when using a vertical tenon.



BKS PQMH CLR

The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's 3" or 5" standard bolt patterns.



BKS PQM15 CLR

The Pole Quick Mount Bracket allows for preset 15° uptilt of LSI luminaires for greater throw of light and increased vertical illumination as well as fast installation onto poles with LSI's 3" or 5" bolt pattern.

ULTRA LED RT5/6 and RT6 Gimbal

Recessed Downlight Kit



The SYLVANIA ULTRA RT5/6 is a 5" and 6" compatible LED recessed downlight kit creating high performing white light and is optimized for new construction and retrofit applications. Installation is done quickly and easily in most standard 5" or 6" Insulated Ceiling (IC) housings, Airtight (AT) housings and non-IC housings. The adjustable gimbal features a smooth travel from nadir to a 30° tilt, making it suitable for slanted ceilings and wall wash. The gimbal's friction blade design allows the downlight to be installed in any position within the housing aperture and the 360° horizontal rotation capability of the gimbal head offers easy aiming and adjustment.

Dimming

The SYLVANIA ULTRA RT Series recessed downlight kits are dimmable down to 10% of full light output with compatible dimmers. The minimum dimming value is based on light output using compatible dimmers, and may not be an indication of the kit's full rated capability. In some cases, standard incandescent dimmers require a minimum load of typically >40 watts on the circuit for full range dimming performance (four LED modules). For dimming with digital (smart) multi-location dimmers or when dimming fewer than four LED modules, electronic low-voltage (ELV) dimmers are required (some ELV dimmers need a neutral connection in the wallbox).

Application Information

Applications

- Healthcare
- Hospitality
- Office
- Property Management
- Residential
- Retail

Key Features & Benefits

- Lumen package:
 - 700 lumens
 - 900 lumens
 - 1200 lumens
- Replacement for up to 100W incandescent lamps
- RT5/6 fits into most 5" and 6" recessed downlight fixtures
- CCT: 2700K/3000K/4000K/5000K
- CRI: 90 and >80 CRI option
- Beam angle: 80°
- Dimmable down to 10%* of full light output with compatible dimmers
- 50,000 hour life (L₇₀)
- Suitable for indoor and outdoor dry, damp and wet locations (Only applies to non-Gimbal types)
- Reduces energy consumption up to 84%
- 120V input voltage
- Lasts up to 25 times longer than incandescent lamps
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- CEC compliant product meets California Title 24 fixture requirements for high efficacy luminaire
- Integrated white trim, white baffle reflector socket adaptor (included) for direct replacement
- Adjustable Gimbal feature (30° tilt and 360° rotation)

* Performance may vary depending on dimmer used in application. Different kit models (NAEDs) should not be mixed on the same dimmer circuit, performance may be affected. Please refer to Dimmer Compatibility List (RETRO-DIM) for a list of compatible dimmers or visit www.SYLVANIA.com/LEDretrofit.

Quality of Light

The SYLVANIA ULTRA RT Series provides excellent color rendering (82+ and 90 CRI option), and a selection of color temperatures (2700K, 3000K, 4000K and 5000K). LEDs have virtually no UV or infrared radiation to damage or fade furnishings, art or other objects.

Optical Design

Optical design efficiently directs light output in an 80° beam angle with low glare.

Accessories

Assorted color retrofit trims, GU24 socket adaptor, push wire adaptor, retrofit band.

Product Offering

| Lumen Output | Wattage | Color Temperature |
|--------------|---------|----------------------------|
| 700 | 10 | 2700K, 3000K, 4000K, 5000K |
| 700 | 12 | 2700K, 3000K, 4000K |
| 900 | 13 | 2700K, 3000K, 5000K |
| 1200 | 16 | 2700K, 3000K, 4000K |

Specifications and Certifications



SYLVANIA 

Specification Data

| | |
|-------------|------|
| Catalog # | Type |
| Project | |
| Comments | |
| Prepared by | |

Specifications

Energy Data

Minimum Starting Temp: -4°F (-20°C)
EMI/RFI: FCC Title 47 CFR, Part 15, Class B
Sound Rating: <24dBA
Input Voltage: 120V
Power Factor: >0.90
Input Frequency: 60Hz

THD: <20%

Input Power: 10W, 12W, 13W & 16W

Input Current: 0.08A & 0.1A

Maximum Ambient Operating Temperature
(Insulated Ceiling or Non-Insulated Ceiling): 104°F
(40°C)

Lighting Data

Lumen Output: 700, 900 & 1200

Color

Correlated Color Temperature (CCT): 2700K,
3000K, 4000K, 5000K

Color Rendering Index (CRI): Up to 90

Ordering Information

| Item Number | Ordering Abbreviation | Recessed Housing | Replaced Incandescent Wattage | Nominal Wattage (W) | Delivered Light Output (lm) | Color Temperature | CRI | R9 | Avg. Rated Life (hrs)* |
|-------------|----------------------------|------------------|-------------------------------|---------------------|-----------------------------|-------------------|-----|----|------------------------|
| 74290 | LED/RT5/6/700/927/FL80 | 5 in. and 6 in. | 65W | 10 | 700 | 2700K | 90 | 15 | 50,000 |
| 74291 | LED/RT5/6/700/930/FL80 | 5 in. and 6 in. | 65W | 10 | 700 | 3000K | 90 | 15 | 50,000 |
| 74292 | LED/RT5/6/700/940/FL80 | 5 in. and 6 in. | 65W | 10 | 700 | 4000K | 90 | 15 | 50,000 |
| 74293 | LED/RT5/6/700/950/FL80 | 5 in. and 6 in. | 65W | 10 | 700 | 5000K | 90 | 15 | 50,000 |
| 74294 | LED/RT5/6/900/927/FL80 | 5 in. and 6 in. | 75W | 13 | 900 | 2700K | 90 | 15 | 50,000 |
| 74295 | LED/RT5/6/900/930/FL80 | 5 in. and 6 in. | 75W | 13 | 900 | 3000K | 90 | 15 | 50,000 |
| 74296 | LED/RT5/6/900/930/RP | 5 in. and 6 in. | 75W | 13 | 900 | 3000K | 90 | 15 | 50,000 |
| 74297 | LED/RT5/6/900/950/RP | 5 in. and 6 in. | 75W | 13 | 900 | 5000K | 90 | 15 | 50,000 |
| 73466 | LED/RT5/6/G/900/827/FL80RP | 5 in. and 6 in. | 75W | 13 | 900 | 2700K | 84 | 15 | 50,000 |
| 73467 | LED/RT5/6/G/900/830 | 5 in. and 6 in. | 75W | 13 | 900 | 3000K | 84 | 15 | 50,000 |
| 79750 | LED/RT5/6/1200/927 | 5 in. and 6 in. | 100W | 16 | 1200 | 2700K | 90 | 15 | 50,000 |
| 79751 | LED/RT5/6/1200/930 | 5 in. and 6 in. | 100W | 16 | 1200 | 3000K | 90 | 15 | 50,000 |
| 79752 | LED/RT5/6/1200/930RP | 5 in. and 6 in. | 100W | 16 | 1200 | 4000K | 90 | 15 | 50,000 |
| 79753 | LED/RT5/6/1200/940 | 5 in. and 6 in. | 100W | 16 | 1200 | 4000K | 90 | 15 | 50,000 |

* LED lamp life is defined as the number of hours when 50% of an average group of identical lamps reached 70% of its initial lumens.

Ordering Guide

| LED | / | RT5/6 | / | G | / | 900 | / | 8 | 30 | CEC |
|-----|---|---|---|--------|---|------------------------|---|---------|----------------------------|--|
| LED | | Product Name: RT6 5/6=fits 5" and 6" housing | | Gimbal | | Light Output 900 lm | | CRI >80 | Color Temperature 3000K | CEC compliant, ships with a GU24 base |

Energy Savings

| Basic Product Description | Lumens | LED Life | Traditional Lamp Types | Lumens | Life | Watts Saved With RT6 | RT6 Energy Savings* | RT6 Life Benefit |
|---------------------------|--------|----------|------------------------|--------|------|----------------------|---------------------|------------------|
| RT5/6 10W | 700 | 50,000 | Incandescent 65WBR30 | 640 | 2000 | 55 | \$302 | 25X |
| RT5/6 13W | 900 | 50,000 | Incandescent 75WBR40 | 935 | 2000 | 62 | \$341 | 25X |
| RT5/6 16W | 1200 | 50,000 | Incandescent 100WBR40 | 1600 | 2000 | 84 | \$462 | 25X |

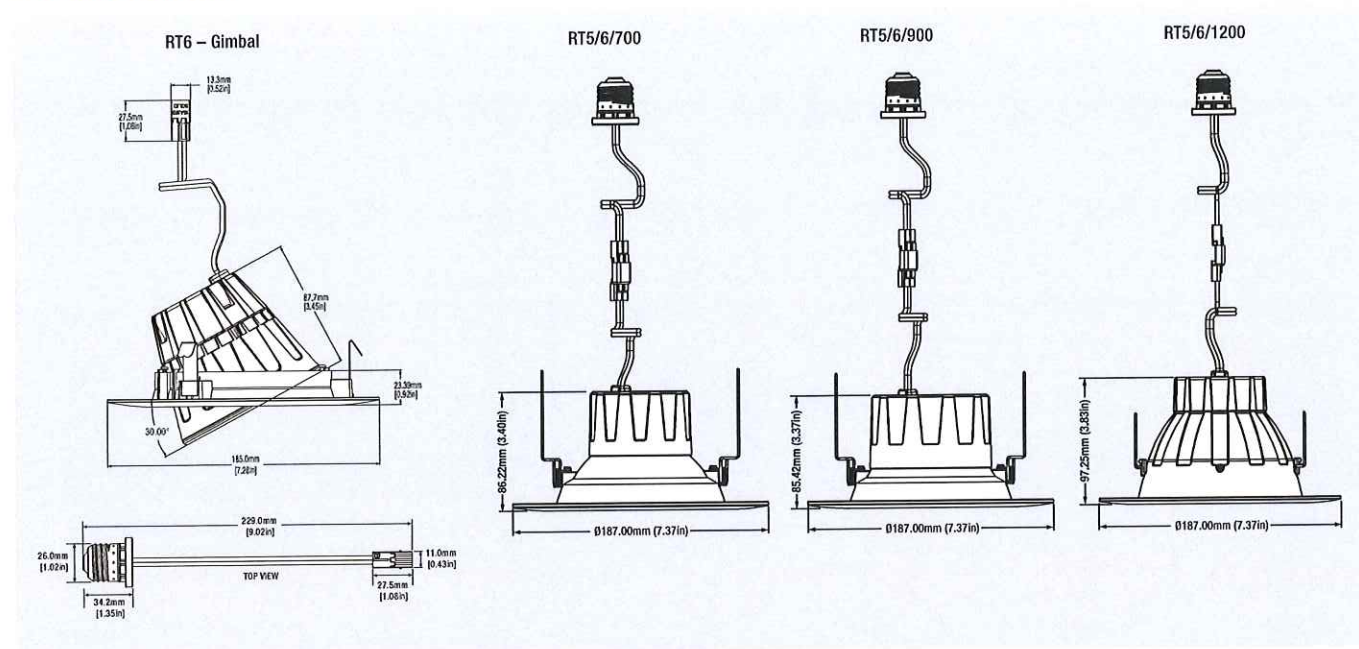
* Based on \$0.11/kWh over 50,000 hours life.

Application Information

Application Notes

- Operating temperature range between -4°F and 104°F (-20°C and 40°C).
- Suitable for indoor and outdoor dry, damp and wet locations (Non-Gimbal only). Suitable for indoor and outdoor dry, and damp locations (Gimbals only).
- Suitable for dimmers or in housings controlled by a dimmer. For a list of compatible dimmers, please refer to www.sylvania.com.
- The SYLVANIA ULTRA RT Series recessed downlight kits are dimmable down to 10% of full light output with compatible dimmers. The minimum dimming value is based on light output using compatible dimmers, and may not be an indication of the kit's full rated capability.
- Not intended for use with emergency light fixtures or exit lights.
- For use in housings that can structurally support a lamp weighing one pound.
- RT5/6 designed to install in standard 5" and 6" insulated and non-insulated housings.
- For detailed warranty information, please refer to www.sylvania.com/RT6.
- Compatible with Philips Bodine ELI-S-20 Emergency Lighting Micro Inverter, IOTA model IIS-375-LED and LVS CEPS-350-VOLT.

Assembly Diagram



Accessories

Socket Adaptor

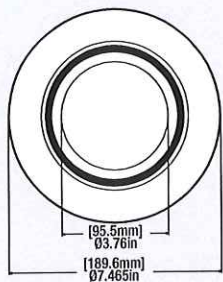
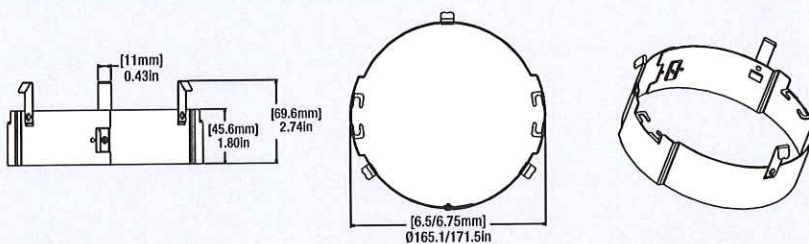
| | |
|-------|---------------------------------------|
| 75105 | LED/ADAPTOR/GU24 (sold separately) |
| 75096 | LED/ADAPTOR/MEDBASE (sold separately) |

Push Wire Adaptor

| | |
|-------|--|
| 75107 | LED/ADAPTOR/PUSHWIRE (sold separately) |
|-------|--|

Retrofit Band (For 6" housing models Progress Lighting P87-AT and Lightolier 11041C)

| | |
|-------|------------------------------------|
| 70663 | RT6/RETROFITBAND (sold separately) |
|-------|------------------------------------|



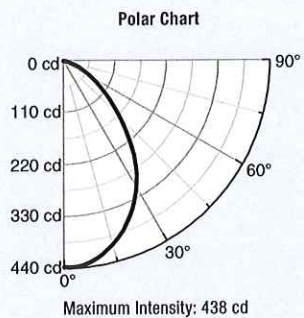
RT5/6 Retrofit Trim (For non-Gimbal only, can be used with RT5/6 and RT6)

| | |
|-------|------------------|
| 75095 | RT/5/6/TRIM/DKBZ |
| 75097 | RT/5/6/TRIM/BLK |
| 75098 | RT/5/6/TRIM/ORBZ |
| 75099 | RT/5/6/TRIM/SN |



Photometric Information

ULTRA RT6 700



Illuminance at Distance

| | Illuminance | | Beam Diameter | |
|-------|-------------|----------|---------------|---------|
| | Edge | Center | V | H |
| 2 ft | 26.0 fc | 109.5 fc | 3.2 ft | 3.2 ft |
| 4 ft | 6.5 fc | 27.4 fc | 6.4 ft | 6.4 ft |
| 6 ft | 2.9 fc | 12.2 fc | 9.6 ft | 9.6 ft |
| 8 ft | 1.6 fc | 6.8 fc | 12.8 ft | 12.3 ft |
| 10 ft | 1.0 fc | 4.4 fc | 16.1 ft | 16.1 ft |
| 12 ft | 0.7 fc | 3.0 fc | 19.3 ft | 19.3 ft |

Vert. Spread: 77.6° Horiz. Spread: 77.5°

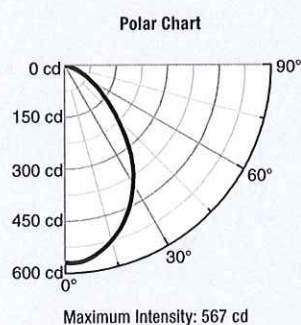
Zonal Lumen Distribution

| Zone | Lumens | % Fixture |
|--------|--------|-----------|
| 0-30 | 305.6 | 41.3 |
| 0-40 | 462.6 | 62.5 |
| 0-60 | 668.3 | 90.3 |
| 60-90 | 71.5 | 9.7 |
| 0-90 | 739.8 | 100.0 |
| 90-180 | 0.0 | 0.0 |
| 0-180 | 739.8 | 100.0 |

Spacing to Mounting Height Ratio

| | |
|-----------------------------|------|
| Spacing Criteria (0-180°) | 1.04 |
| Spacing Criteria (90-270°) | 1.08 |
| Spacing Criteria (Diagonal) | 1.12 |

ULTRA RT6 900



Illuminance at Distance

| | Illuminance | | Beam Diameter | |
|-------|-------------|----------|---------------|---------|
| | Edge | Center | V | H |
| 2 ft | 35.0 fc | 141.8 fc | 3.1 ft | 3.1 ft |
| 4 ft | 8.8 fc | 35.4 fc | 6.2 ft | 6.1 ft |
| 6 ft | 3.9 fc | 15.8 fc | 9.3 ft | 9.2 ft |
| 8 ft | 2.2 fc | 8.9 fc | 12.4 ft | 12.3 ft |
| 10 ft | 1.4 fc | 5.7 fc | 15.5 ft | 15.4 ft |
| 12 ft | 1.0 fc | 3.9 fc | 18.6 ft | 18.4 ft |

Vert. Spread: 75.5° Horiz. Spread: 75.1°

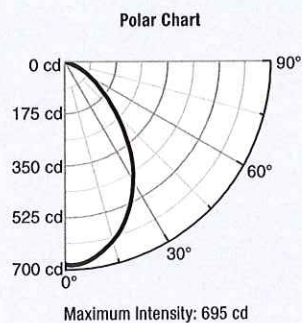
Zonal Lumen Distribution

| Zone | Lumens | % Fixture |
|--------|--------|-----------|
| 0-30 | 393.6 | 43.2 |
| 0-40 | 589.4 | 64.7 |
| 0-60 | 828.9 | 91.0 |
| 60-90 | 81.7 | 9.0 |
| 0-90 | 910.6 | 100.0 |
| 90-180 | 0.0 | 0.0 |
| 0-180 | 910.6 | 100.0 |

Spacing to Mounting Height Ratio

| | |
|-----------------------------|------|
| Spacing Criteria (0-180°) | 1.02 |
| Spacing Criteria (90-270°) | 1.04 |
| Spacing Criteria (Diagonal) | 1.10 |

ULTRA RT6 1200



Illuminance at Distance

| | Illuminance | | Beam Diameter | |
|-------|-------------|---------|---------------|---------|
| | Edge | Center | V | H |
| 2 ft | 38.4 fc | 171 fc | 3.4 ft | 3.4 ft |
| 4 ft | 9.6 fc | 42.8 fc | 6.7 ft | 6.7 ft |
| 6 ft | 4.3 fc | 19 fc | 10.4 ft | 10.4 ft |
| 8 ft | 2.4 fc | 10.7 fc | 13.4 ft | 13.4 ft |
| 10 ft | 1.5 fc | 6.8 fc | 16.8 ft | 16.8 ft |
| 12 ft | 1.1 fc | 4.8 fc | 20.1 ft | 20.1 ft |

Zonal Lumen Distribution

| Zone | Lumens | % Fixture |
|--------|--------|-----------|
| 0-30 | 503.0 | 39.0 |
| 0-40 | 61.0 | 61.0 |
| 0-60 | 1163.0 | 91.0 |
| 0-90 | 1275.0 | 100.0 |
| 90-180 | 0.0 | 0.0 |
| 0-180 | 1275.0 | 100.0 |

Spacing to Mounting Height Ratio

| | |
|-----------------------------|------|
| Spacing Criteria (0-180°) | 1.14 |
| Spacing Criteria (90-270°) | 1.14 |
| Spacing Criteria (Diagonal) | 1.18 |

LEDVANCE LLC
 200 Ballardvale Street
 Wilmington, MA 01887 USA
 Phone 1-800-LIGHTBULB (1-800-544-4828)
www.sylvania.com

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 Specifications subject to change without notice.

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CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Senior Center Cafe Updates | | |
| Project Description: Cafe Updates | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: Cafe was built in 2013 and the appliances are starting to need repair or replacement. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: New appliances result in less downtime while waiting for repairs | | | | | | | | Type of Project: Updates | | |
| Costs if not implemented: downtime | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 120000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 120000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 120000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: DPW Facility Maintenance | | |
| Project Description: Facility maintenance, upgrades and repair fund. | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: The newest DPW facility is coming up on 25 years old and the original garage is close to 40 years old. With the facility and it's components age we need to address updates for sustainability and carbon footprint reduction. | | | | | | | | Required/Desired Date of Project Completion: N/A | | |
| Benefits: More efficient structures/equipment resulting in energy savings, staying ahead of major failures. | | | | | | | | Type of Project: Facility Maintenance/Upgrades | | |
| Costs if not implemented: Unexpected costs of repairs | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 120000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 120000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 120000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Library Projects | | |
| Project Description: Continued replacement of the air handlers. Future funding is for window replacement and ancillary projects to maintain the existing building | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: The library needs significant attention | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: Improvements directly affect the patrons | | | | | | | | Type of Project: Facilities | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 100000 | 30000 | 30000 | 30000 | 30000 | 30000 | 250000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 100000 | 30000 | 30000 | 30000 | 30000 | 30000 | 250000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 100000 | 30000 | 30000 | 30000 | 30000 | 30000 | 250000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|---|--|
| Agency/Department: Ellington Volunteer Fire Dept, 29 Main Street | | | | | | | Project Name: Replacement HVAC systems | | | |
| Project Description: To replace to 35 y/o old oil fired boilers w/natural gas, and to replace the central A/C unit for the meeting room and add the office area to be more cost effective | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: <small>The two oil fired boilers are currently 35 years old, the average life is approx. is 20 years. At the time natural gas was unavailable, by replacing the current boilers with the natural gas which is now available it will be more cost effective. The original A/C in the departments meeting room can no longer be repaired, the unit was installed using department money. The department uses the meeting room several times per month. In addition to the replacement A/C unit the office area currently uses window units which are not cost effective</small> | | | | | | | Required/Desired Date of Project Completion: Summer 2023 | | | |
| Benefits: <small>By installing two natural gas boilers the stations heat would become more cost effective, the boilers that are currently in use are 15 years past their life expectancy. The stations current A/C is not repairable and the office area currently ut</small> | | | | | | | Type of Project: Heat and A/C | | | |
| Costs if not implemented: <small>The two current oil fired boilers are well past their service life and would require emergency funds if they would stop working, there is currently no working A/C in the stations meeting room which is used several times per month.</small> | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 140485 | 0 | 0 | 0 | | 0 | 140485 | 0 | Action Air |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 140485 | 0 | 0 | 0 | 0 | 0 | 140485 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 140485 | 0 | 0 | 0 | 0 | 0 | 140485 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other



October 4, 2022

Ellington Fire Dept
29 Main Street
Ellington, Ct. 06029
Attn: Cole Prato

Re: Install Hitachi Ductless split heat pump system in upstairs kitchen, 3 offices and lounge area.

The following scope of work is included:

- Furnish and install 3.5 ton's R410A refrigerant heat pump condensing unit on ground outside mounted on stand.
- Furnish & install 3 wall mount indoor units in 3 offices.
- Furnish & install (2) cassette style indoor units 1 in kitchen and 1 in lounge rooms.
- Includes condensate removal.
- Includes insulated refrigerant lines.
- Includes wired remote controllers for each indoor unit (wired by your electrician).
- Includes all labor during regular business hours M-F.
- Includes misc. materials for complete installation.
- Includes start and test
- 12 month's parts & labor warranty.

Not included: tax, all electrical, temporary conditions, painting.

Cost= \$35,497.00

Respectfully,

Lee Scheinfeld

Accepted by _____ Date _____

131 Adams Street, Manchester, Ct. 06042 Tel (860) 645-8838 Fax (860) 645-0226
CT Lic. # 303447



October 4, 2022

Ellington Fire Dept
29 Main Street
Ellington, Ct. 06029
Attn: Cole Prato

Re: Remove 2 oil fired boilers and install 2 natural gas fired boilers with gas piping.
We will assume close proximity of new gas meter at back of building.
The following scope of work is included:

- Isolate, drain down remove with proper disposal 2 existing oil fired boilers (1) Trianco and (1) Peerless. Peerless has domestic hot water heat exchanger.
- Each boiler has 2 zone circulators now.
- Furnish & install Viessman (2) boiler rack system, includes low loss header, control and all pumps. Boilers will be tied into domestic hot water needs as priority control.
- Furnish & install (1) 42 gallons indirect hot water storage tank.
- All equipment to be located in basement same location.
- Includes air inlet venting and exhaust venting to boilers.
- Cut, cap and make safe existing oil lines in boiler room.
- Includes pipe, fittings, hangers and controls for complete operating system.
- Includes new natural gas piping from meter (supplied by gas company)
- Includes rigging equipment.
- Includes electrical.
- Includes replacement operating room thermostats.
- Includes misc. materials
- Includes all labor during regular business hours M-F.
- Includes start, test.
- 12 month's parts & labor warranty (equipment per manufacturer)

Not included: tax, permit fees, painting, core boring, temporary conditions, stamped drawings, overtime labor, prevailing wages, upgrade to any new building codes, removal of oil lines or tank.

Cost= \$82,222.00 plus tax, if applicable*pricing valid thru 10/31/22

Respectfully
Lee Scheinfeld

131 Adams Street, Manchester, Ct. 06042 Tel (860) 645-8838 Fax (860) 645-0226
CT Lic. # 303447



October 4, 2022

Ellington Fire Dept.
29 Main Street
Ellington, Ct. 06029
Attn: Cole Prato

Re: replace 5 ton's split cooling system

The following scope of work is included:

- Recover refrigerant, disconnect, remove with proper disposal existing split system.
- Furnish & install replacement 5 ton's split cooling only system in same location, Consists of outdoor condensing unit and indoor air handler.
- Refrigerant is R410A
- Includes new refrigerant line set
- Includes condenser pad
- Includes air handler duct transitions.
- Includes reconnect existing electrical circuits.
- Includes all labor during regular business hours M-F.
- Start, test and charge with R410A refrigerant
- 12 month's parts & labor warranty (equipment per manufacturer)

Not included: tax (if applicable), upgrade to any new building code requirements, smoke detectors, upsize electrical circuits or wiring, tying into any BMS automation system.

Cost= \$11,961.00 Trane unit _____ please check
Cost= \$10,805.00 Runtru brand made by Trane no bells and whistles _____ please check

Accepted by _____ date _____

Respectfully,

Lee Scheinfeld

131 Adams Street, Manchester, Ct. 06042 Tel (860) 645-8838 Fax (860) 645-0226
CT Lic. # 303447

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|---|--|
| Agency/Department: Ellington Board of Education | | | | | | | Project Name: BOE - Roof Replacement Program | | | |
| Project Description: Roof replacement of Center School, EMS, EHS, and Central Office | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: All buildings will be at or above 20 years in 2026-2027, with EMS approaching 25 years. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Reduced ongoing maintenance costs | | | | | | | Type of Project: | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 3 | 0 | 0 | 0 | 5151380 | 0 | 0 | 5151380 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 5151380 | 0 | 0 | 5151380 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | -2554440 | 0 | 0 | -2554440 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 2596940 | 0 | 0 | 2596940 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Miscellaneous

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|---|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Parking Lot Maintenance/Renovations | | | |
| Project Description: Parking lot maintenance/renovations | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Town Hall & Library 2022, Center School 2023, general maintenance | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Safety | | | | | | | Type of Project: Facilities | | | |
| Costs if not implemented: continued wear and tear, potholes forming, increased safety hazards | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 40000 | 40000 | 100000 | 100000 | 100000 | 100000 | 480000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 40000 | 40000 | 100000 | 100000 | 100000 | 100000 | 480000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 40000 | 40000 | 100000 | 100000 | 100000 | 100000 | 480000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Transfer Station Improvements | | | |
| Project Description: Continued site improvements for our local drop off site at the town garage. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Improve drop site at the town garage per state permit. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Allow residents greater accessibility to properly recycle and save the Town significant money in the process | | | | | | | Type of Project: Construction | | | |
| Costs if not implemented: Town would continue to pay to recycle all items | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | | 20000 | 20000 | 20000 | 20000 | 80000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 20000 | 20000 | 20000 | 20000 | 80000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 20000 | 20000 | 20000 | 20000 | 80000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Landfill Redevelopment | | |
| Project Description: Landfill Redevelopment | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: reorganization and implementation of new processes to allow our residents to make better use of recycling efforts | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: | | | | | | | | Type of Project: Construction | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | | 20000 | | | | 20000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 20000 | 0 | 0 | 0 | 20000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 20000 | 0 | 0 | 0 | 20000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|------------|---|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Tennis & Basketball Courts | | |
| Project Description: Resurfacing and painting of tennis and basketball courts | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: The courts get a lot of use and require continual maintenance to keep them playable and safe. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: | | | | | | | | Type of Project: Court Maintenance | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | 20000 | 0 | 20000 | | 20000 | 60000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 20000 | 0 | 20000 | 0 | 20000 | 60000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 20000 | 0 | 20000 | 0 | 20000 | 60000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: High School Track | | |
| Project Description: Resurfacing of the High School track | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: The track requires maintenance every few years to keep it safe and increase lifespan. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: | | | | | | | | Type of Project: Court Maintenance | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | 20000 | 0 | 20000 | | 20000 | 60000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 20000 | 0 | 20000 | 0 | 20000 | 60000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 20000 | 0 | 20000 | 0 | 20000 | 60000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Tedford Park Exercise Trail | | |
| Project Description: In conjunction with the Trails Committee, this features a mile long 5-foot wide walking trail around the outer perimeter of the park. In future years, it is planned for inclusion of various exercise stations. | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: | | | | | | | | Type of Project: Construction | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | 1 | 0 | | 20000 | 20000 | 20000 | 20000 | 80000 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 20000 | 20000 | 20000 | 20000 | 80000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 20000 | 20000 | 20000 | 20000 | 80000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|--|---|---|---|
| Agency/Department: First Selectman | | | | | | | Project Name: Elderly Housing Study | | | |
| Project Description: Preliminary design and evaluation for the construction of senior housing units | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input checked="" type="checkbox"/> #4 Desirable Project |
| Justification: This phase of work would identify the number of units, size of units, site arrangement and other data to enable the project to be budgeted and timely designed and constructed | | | | | | | Required/Desired Date of Project Completion: 12/31/2023 | | | |
| Benefits: Would give the Board of Selectmen and Board of Finance a full scope of concept | | | | | | | Type of Project: Design and Evaluation | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | 1 | 20000 | 0 | 0 | 0 | 0 | 0 | 20000 | 0 | Quote |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 20000 | 0 | 0 | 0 | 0 | 0 | 20000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 20000 | 0 | 0 | 0 | 0 | 0 | 20000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

PROPOSAL FOR PROFESSIONAL SERVICES

To: Lori Spielman

Date: 05/11/2022

First Selectman, Town of Ellington

File No.: 22066

55 Man St. P.O. Box 187

Phone:

Ellington, CT 06029

E-mail:

For Professional Services checked as follows:

| | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> New Building | <input type="checkbox"/> Addition | <input type="checkbox"/> Alteration | <input checked="" type="checkbox"/> Code study |
| <input checked="" type="checkbox"/> Architecture | <input type="checkbox"/> Zoning review | <input checked="" type="checkbox"/> Structural Engineering | <input checked="" type="checkbox"/> Plumbing Engineering |
| <input type="checkbox"/> Rendering | <input checked="" type="checkbox"/> HVAC Engineering | <input checked="" type="checkbox"/> Electrical Engineering | <input type="checkbox"/> Sprinkler Engineering |
| <input checked="" type="checkbox"/> Client consultation | <input checked="" type="checkbox"/> Feasibility Study | <input type="checkbox"/> Engineering Report | <input type="checkbox"/> Program space and use |
| <input checked="" type="checkbox"/> Document existing | <input checked="" type="checkbox"/> Professional seal | <input type="checkbox"/> Book specifications | <input type="checkbox"/> Specifications on drawings |
| <input checked="" type="checkbox"/> Conceptual Design | <input checked="" type="checkbox"/> Schematic Design | <input type="checkbox"/> Design Development | <input type="checkbox"/> Construction Documents |
| <input checked="" type="checkbox"/> Site visit | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Standard Exclusions: Land Surveying, Site Analysis and Recommendation, Site Engineering, Traffic Engineering, Landscape Architecture, Project Manual, Bid Administration, Cost estimating, Project Valuation for Building Permit Application, Additional documents requested by the Building Official per 107.1 of the State Building Code Plan Review Record, Construction Observation and Statement of Professional Opinion required by 110.1.2 of the State Building Code, Record Drawings, Condominium Documents

Description: Russell and Dawson is pleased to provide services for Preliminary design and evaluation for the construction of senior housing units on the above property. These will be designed and constructed to conform to all local, state, and national codes and ordinances. This phase of work will identify the number of units, size of units, site arrangement and other data to enable the project to be budgeted and timely designed and constructed.

Project Name: Senior Housing**Location:** 58 Maple St. Ellington, CT 06029**Fee:** \$16,000.00**Reimbursable expenses:** per Terms & Conditions

Comments: Terms & Conditions (Rev. 19.00) are attached and made part of this Agreement. Following the acceptance of the preliminary design, Russell and Dawson will be pleased to provide, Architectural, Structural, Plumbing, HVAC, and electrical design to enable the project to be built. Fire sprinkler & site design to be excluded.

Accepted By (signature):**Date:****Name & Title (printed):****P.O. #:**

Robert M. Dawson, Vice President, Duly Authorized

E-mail: bill@rdaep.com

Please sign and return one copy to Russell and Dawson Inc.



To: Lori Spielman, First Selectman
Project: Senior Housing, 58 Maple St. Ellington, CT. 06029

File No.: 22066
Date: 05/11/2022

Terms and Conditions

REIMBURSABLE EXPENSES: Reimbursable expenses are defined as follows and shall be invoiced at direct cost (Invoice) plus 15% for overhead unless otherwise noted below:

1. Printing and reproduction
2. International telephone charges
3. Postage, shipping expenses
4. Travel, mileage per IRS published rate
5. Reasonable living expenses (lodging and meals) incurred while on assignment
6. Any other disbursements, application fees, etc. made on behalf of the Client
7. Other outside services engaged for the execution of the Project as agreed to by Client prior to initiation of those services.

CLIENT'S RESPONSIBILITIES:

1. Engage a licensed asbestos consultant to inspect and report on the presence of asbestos before renovation or demolition is started as required by Connecticut State law.
2. Abatement of hazardous materials, including but limited to asbestos, lead, and mold.
3. Provide Material Safety Data Sheets for all hazardous materials, including but not limited to cleaning products used, products for sale, materials used in production, or materials to be stored.
4. Include in the construction contract clauses requiring that work be accessible and left exposed until observed, that construction observation be coordinated with inspections required by the Building Official, and that the contractor provide shop drawings and other submittals in a timely fashion to permit adequate time for review.
5. Provide requirements for the project and decisions required so as not to delay preparation of Contract Drawings.
6. Furnish certified land survey, with complete site information.
7. Furnish soil borings, analysis and the services of a Soils Engineer when deemed necessary.
8. Furnish structural, mechanical or other tests as required by law or this contract.
9. Furnish legal, accounting, and insurance counseling services as may be necessary.

BILLINGS/PAYMENTS: Invoices for services by Russell and Dawson Inc. shall be submitted, at our option, either upon completion of the services, or upon completion of a phase of those services, or on a monthly or semi-monthly basis. Invoices shall be payable within 15 days after the invoice date. All billings over fifteen (15) days past due will be subject to interest charges of 1.5% per month on the unpaid balance. In the event that all or a portion of the account remains unpaid ninety (90) days after initial billing, the Client shall be responsible for all costs of collection including reasonable attorney's fees. Full payment shall be made upon delivery of construction drawings.

TERMINATION: (1) This Agreement between Client and Russell and Dawson Inc. may be terminated by either party upon seven (7) days written notice in the event of persistent failure of performance of the material terms and conditions of this Agreement by the other party through no fault of the terminating party. (2) If this Agreement is terminated during the course of performance of the work, Russell and Dawson Inc. shall be paid the reasonable value of the services performed during the period prior to the effective date of termination of the Agreement. (3) In the event of termination, Russell and Dawson Inc. shall be paid all termination expenses resulting therefrom. (4) If, prior to termination of this Agreement, any Work designed or specified by Russell and Dawson Inc. during any phase of the work is suspended in whole or in part for more than three months or abandoned after written notice from the Client, Russell and Dawson Inc. shall be paid for such services performed prior to receipt of such notice.

ASSIGNMENT: Neither party to this Agreement shall transfer, sublet or assign any right under or interest in this Agreement (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party. Subcontracting to subconsultants normally contemplated by Russell and Dawson Inc. shall not be considered an assignment for purposes of this Agreement.

OWNERSHIP OF DOCUMENTS: All documents produced by Russell and Dawson Inc. under this Agreement, as Instruments of service, shall remain the property of Russell and Dawson Inc. and may not be used or transferred by the Client for any other project without the written consent of Russell and Dawson Inc.

INDEMNIFICATIONS: (1) The Client agrees to hold harmless and indemnify Russell and Dawson Inc. for and against all claims, damages, awards and costs of defense arising out of delays in our performance resulting from events beyond our control. (2) Whereas job-site safety conditions are the sole responsibility of the Contractor, the Client agrees to hold harmless and indemnify Russell and Dawson Inc. for and against all claims, damages, awards and costs of defense arising out of claims related to job-site safety. (3) The Client agrees to stipulate within the Contract Documents that the Contractor (or Client) shall purchase and maintain, during the course of construction, special builder's risk and/or installation insurance. (4) The Client agrees to maintain liability coverage for bodily injury and property damage claims with a limit no less than \$1,000,000 per occurrence and name Russell and Dawson Inc. as an additional insured.

HAZARDOUS MATERIALS: In consideration of the potential risks to Russell and Dawson Inc. in rendering its services in connection with the project due to the presence or suspected presence of hazardous materials at or near the job site, the Client agrees to make no claim and hereby waives, to the fullest extent permitted by law, any claim or cause or causes of action of any kind, including but not limited to, negligence, breach of contract or warranty, either expressed or implied, strict liability or any other causes, against Russell and Dawson Inc., or its subconsultants, which may arise out of or may in any way be connected by the presence of such hazardous materials. It is the sole obligation of the Client to identify such hazardous substances under terms of the Agreement and failure to do so will not obviate the Client's obligations under this section of the Contract. The brochure "Renovation and Demolition: Environmental Health & Safety Requirements You Should Know About" is available from the State of Connecticut, Department of Environmental Protection.

Owner and contractor shall indemnify, defend and hold harmless Russell and Dawson Inc. and its consultants from any and all claims, costs, damages or liability associated in any way with the creation, storage, release, transport or disposal of any hazardous or toxic material or pollutant.

All structures are subject to wear and tear and environmental and manmade exposures. As a result, all structures require regular and frequent monitoring and maintenance to prevent damage and deterioration. Such monitoring and maintenance is the sole responsibility of Owner. Russell and Dawson Inc. shall have no responsibility for such issues or resulting damages.

BA_YR-2022\22066 Senior Housing, 58 Maple St. Ellington CT - LORI SPIELMAN_Proposal\Terms And Conditions 22066.Docx

Rev.: 19.00 An Affirmative Action/Equal Opportunity Employer

Connecticut | India

Chirag B. Thaker
Robert M. Dawson III
Thomas A. Manning
Mohammad H. Haghpanah
90 of 162

A : 1111 Main Street, East Hartford CT 06108
T : (860) 289-1100 | F : (860) 289-3272
E : info@rdaep.com
W : www.rdaep.com



To: Lori Spielman, First Selectman
Project: Senior Housing, 58 Maple St. Ellington, CT. 06029

File No.: 22066
Date: 05/11/2022

Terms and Conditions, continued

It is understood and agreed that, in seeking the professional services of Russell and Dawson Inc. under this Agreement, if the Client requests Russell and Dawson Inc. to undertake uninsurable obligations for the client's benefit involving the presence or potential presence of hazardous substances, the Client agrees to hold harmless, indemnify and defend Russell and Dawson Inc. from and against any and all claims, losses, damages, liability, and costs, including but not limited to costs of defense, arising out of or in any way connected with the presence, discharge, release or escape of contaminants of any kind, except only such liability as may arise out of the sole negligence of Russell and Dawson Inc. in performance of services under this Agreement.

EXISTING CONDITIONS: Inasmuch as remodeling and/or rehabilitation of existing structures requires that certain assumptions be made by Russell and Dawson Inc. regarding existing conditions and because some of these assumptions may not be verifiable without the Client's expending substantial sums of money or destroying otherwise adequate or serviceable portions of the structure, the Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless Russell and Dawson Inc. and its subconsultants against all damages, liabilities or costs, including reasonable attorney's fees and defense costs, arising out of, or in any way connected with, this Project, excepting only those damages, liabilities, or costs attributable to the sole negligence and willful misconduct of Russell and Dawson Inc.

ADA COMPLIANCE: Whereas the Americans with Disabilities Act is a Federal Civil Rights Law for which no code or regulatory agency exists and is enforced by complaint, the building owner is responsible for compliance. Classification of the building as commercial or public accommodation shall be by the building owner and his attorney. In the case of an existing structure, Russell and Dawson Inc. may identify a list of barriers, the cost for removal, and the priorities for removal, but shall not decide what work will actually be done.

MEDIATION: In addition to and prior to arbitration, the parties shall endeavor to settle disputes by mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect unless the parties mutually agree otherwise. Demand for mediation shall be filed in writing with the other party to this Agreement and with the American Arbitration Association. A demand for mediation shall be made within a reasonable time after the claim, dispute or other matter in question has arisen. In no event shall the demand for mediation be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter in question would be barred by the applicable statute of limitations.

SUPPLANTING ANOTHER ARCHITECT: In consideration of the risks and rewards involved in this Project, the Client agrees, to the maximum extent permitted by law, to indemnify and hold harmless Russell and Dawson Inc. from any damages, liabilities or costs, including reasonable attorney's fees and defense costs, arising or allegedly arising from any negligent acts, error or omissions by any prior consultant employed by the Client on this Project and from any claim or copyright or patent infringement by Russell and Dawson Inc. arising from the use of any documents prepared or provided by the Client or any prior consultant of the Client. The Client warrants that any document provided to Russell and Dawson Inc. by the Client or by the prior consultant may be relied upon as to their accuracy and completeness without independent investigation by Russell and Dawson Inc. and that the Client has the right to provide such document to Russell and Dawson Inc. free of any claims or copyright or patent infringement or violation of any other party's right of intellectual property.

ARCHITECTURAL STANDARDS FORMAT: Contract documents shall be executed using Autodesk AutoCAD 2014. All drawing files shall be executed, received, and transmitted from/to Russell and Dawson Inc. in the above format. Time spent in the execution, translation, or other modification of files different than the format described above will be billed as additional services on an hourly rate (see copy of current compensation schedule) plus reimbursable expenses.

DELIVERY OF CAD FILES: In accepting and utilizing any drawings, reports and data on any form of electronic media generated and provided by Russell and Dawson Inc., the Client covenants and agrees that all such electronic files are instruments of service of Russell and Dawson Inc., who shall be deemed the author, and shall retain all common law, statutory law and other rights, including copyrights.

The Client agrees not to reuse these electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. The Client agrees not to transfer these electronic files to others without the prior written consent of Russell and Dawson Inc. The Client further agrees to waive all claims against Russell and Dawson Inc. resulting in any way from any unauthorized changes or reuse of the electronic files for any other project by anyone other than Russell and Dawson Inc.

The Client is aware that significant differences may exist between the electronic files delivered and the respective construction documents due to addenda, change orders or other revisions. In the event of a conflict between the signed construction documents prepared by Russell and Dawson Inc. and electronic files, the signed construction documents shall govern.

In addition, the Client agrees, to the fullest extent permitted by law, to indemnify and hold Russell and Dawson Inc. harmless from any damage, liability or cost, including reasonable attorneys' fees and costs of defense, arising from any changes made by anyone other than Russell and Dawson Inc. or from any reuse of the electronic files without the prior written consent of Russell and Dawson Inc.

Under no circumstances shall delivery of the electronic files for use by the Client be deemed a sale by Russell and Dawson Inc., and we make no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall Russell and Dawson Inc. be liable for any loss of profit or any consequential damages.

FIDUCIARY RESPONSIBILITY: The Client confirms that neither Russell and Dawson Inc. nor any of its subconsultants or subcontractors has offered any fiduciary service to the Client nor no fiduciary responsibility shall be owed to the Client by Russell and Dawson Inc. or any of its subconsultants or subcontractors, as a consequence of Russell and Dawson Inc. entering into this Agreement with the Client.

RISK ALLOCATION: In recognition of the relative risks, rewards and benefits of the Project to both the Client and to Russell and Dawson Inc., the risks have been allocated such that the Client agrees, to the fullest extent permitted by law, to limit the liability of Russell and Dawson Inc. and its subconsultants to the Client and to all construction contractors and subcontractors on the project for any and all claims, losses, costs, damages of any nature whatsoever or claim expenses from any cause or causes, so that the total aggregate liability of Russell and Dawson Inc. and its subconsultants to all those named shall not exceed the total fees of Russell and Dawson Inc. invoiced and paid on this project. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law. Such causes include, but are not limited to negligence, professional errors or omissions, strict liability, breach of contract and breach of warranty.

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|---|---|--|--|
| Agency/Department: Assessor | | | | | | | Project Name: Revaluation | | | |
| Project Description: Revaluation 2025 | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Currently have \$55,000 set aside for next revaluation which will take place in 2025, will need to fund the remaining portion over the next three years. Then put in place roughly \$250,000 over 5 year spend | | | | | | | Required/Desired Date of Project Completion: January 31, 2026 | | | |
| Benefits: State of CT OPM requires municipalities to complete revaluation every five years | | | | | | | Type of Project: Requirement | | | |
| Costs if not implemented: Necessary to insure uniformity in real property valuations by eliminating inequities that may have developed since the previous revaluation | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other (Identify) | 1 | 67000 | 67000 | 67000 | 50000 | 50000 | 50000 | 351000 | 0 | Previous Contract 2020 plus 10% |
| SUBTOTAL | | 67000 | 67000 | 67000 | 50000 | 50000 | 50000 | 351000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 67000 | 67000 | 67000 | 50000 | 50000 | 50000 | 351000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other



The Ellington Volunteer Fire Department, Inc.

29 Main Street, P.O. Box 911 Ellington, CT 06029

Ph 860-870-3190

www.ellingtonfire.org

fx 860-870-3194

facebook.com/ellingtonFD

Jack Rich II, *Chief*
Robert Smith, *Deputy Chief*

Karl Neubecker, *Assistant Chief*
Michael Gallagher, *Deputy Chief*

Report To: Lori Spielman, First Selectman

From: Jack Rich II, Chief

Date: November 15, 2022

Re: Capital Improvements Program 2023-2024

We are cognizant of the potential financial challenges facing the town in the upcoming fiscal year and have carefully reviewed our previous year's plan. After thoughtful consideration for the past few years, we can no longer have a zero CIP request.

Attached is Ellington Volunteer Fire Departments 2023-2024 CIP requests, and our major apparatus and equipment replacement schedule.

Our 2023/24 meeting schedule for the department is also included in this package and has already been submitted to the Town Clerk via email.

Respectfully,

Jack Rich II

Jack Rich II, Chief



The Ellington Volunteer Fire Department, Inc.

29 Main Street, P.O. Box 911 Ellington, CT 06029

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Jack A. Rich II., *Chief*

Robert Smith, *Deputy Chief*

Karl Neubecker, *Assistant Chief*

Michael Gallagher, *Deputy Chief*

Proposed Apparatus and Major Equipment Replacement Program November 2022

The Ellington Volunteer Fire Department developed this table in 2000 and updates it annually. It shows all of the current fire/rescue vehicles with their: estimated replacement cost, estimated useful life and replacement schedule for a 20-year period. This document includes only apparatus, response and training equipment; facility items are not included.

| Apparatus / Equipment | Type / Description | Year of Mfg. | New / Used At Purchase | Estimated Replacement Year | Estimated Replacement Cost |
|-----------------------|--|--------------|------------------------|----------------------------|----------------------------|
| **Special Hazards-143 | Rescue / Hazmat / Tow Vehicle | 2007 | New ♦ ♦ | 2023-2024 | 97850 |
| **Rescue-143 | Heavy Rescue | 2001 | New | 2023-2024 | 825000 |
| Rescue Refurb | Refurbishment of 2001 Heavy Rescue | 2001 | New | 2023-2024 | 300000 |
| HazMat-143 | Hazmat Trailer | 2005 | New ♦ | 2025 | 15450 |
| Burn Trailer | Live Fire Training - Burn Trailer | 2006 | New ♦ ♦ ♦ | 2026 | 360500 |
| Tanker-143 | Tanker 3000 gal / 1500 GPM | 2007 | New | 2027 | 437750 |
| Gator-143 | 6X6 UTV and Trailer | 2012 | New | 2027 | 24720 |
| Service-143 | Utility Truck | 2014 | New | 2029 | 87550 |
| Truck-143 | Quint – Ladder Truck 300 gal / 1500 GPM / 103' | 2010 | New | 2030 | 1,23600 |
| Hydraulic Tools | Hydraulic Rescue Tools (Jaws of Life) | 2010 | New | 2030 | 103,000 |
| Service-243 | Four Door Pickup | 2016 | New | 2031 | 61800 |
| *Engine -143 | 4X4 Engine/Wildland 1500 GPM/800 gal | 2021 | New | 2041 | 515,000 |
| SCBA | Self-Contained Breathing Apparatus and System Upgrade | 2018 | New | 2033 | 515,000 |
| Squad 143 | 1000 gal/1500 GPM Rescue/Pumper | 2018 | New | 2038 | 746,750 |
| *Squad 243 | 1000 gal/1500 GPM Rescue/Pumper | 2020 | New/Demo | 2040 | 746,750 |
| E-143 | 500 gal/1500 GPM Urban Interface, 4X4 Pumper | 2021 | New | 2041 | 500,000 |

**EVFD to held off on replacement for 2020/2021

♦ Trailer received as donation from Country Pure Farms, majority of equipment received from federal grant programs

♦ ♦ Vehicle obtained for use as participant of regional hazardous materials response team

♦ ♦ ♦ 95% of funds for unit obtained through a FEMA grant.

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|---|---|--|---|--|------------|--------|-------------------|--------------------------|
| Agency/Department: Ellington Volunteer Fire Department | | Project Name: Fire Apparatus Refurb | | | | | | | | |
| Project Description: To refurbish the departments 2001 Heavy Rescue Truck | | Priority Rank by Agency/Department | | | | | | | | |
| | | <input type="checkbox"/> Committed Project | <input checked="" type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project | <input type="checkbox"/> #5 Acceptable Project | | | | |
| Justification: NFPA suggests fire apparatus be replaced every 15 years. The current apparatus is 22 years old and the department has deflected this purchase for the last several years, with that said we have had the vehicle evaluated and feel that instead of a full replacement the apparatus would be a good candidate for a refurbishment. | | Required/Desired Date of Project Completion: Fall 23/24 | | | | | | | | |
| Benefits: <small>The cost to replace the apparatus with new would cost approx. 800k, by refurbing the apparatus it would save the town money over the next 10-15 years.</small> | | Type of Project: Fire apparatus refurbishment | | | | | | | | |
| Costs if not implemented: <small>If the apparatus is not refurbished in the next year it will be likely that the apparatus would no longer be a candidate for a refurbishment and would have to be replaced instead</small> | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 300000 | 0 | 0 | 0 | 0 | 0 | 300000 | 0 | Area departments |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 300000 | 0 | 0 | 0 | 0 | 0 | 300000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 300000 | 0 | 0 | 0 | 0 | 0 | 300000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

The Ellington Volunteer Fire Department, Inc.

29 Main Street, P.O. Box 911 Ellington, CT 06029

Jack Rich II, *Chief*
Robert Smith, *Deputy Chief*

Karl Neubecker, *Assistant Chief*
Michael Gallagher, *Deputy Chief*

TO: Lori Spielman, First Selectman
Tiffany Pignataro, Finance Director
Felicia Laplante, Assistant Finance Director

From: Jack A. Rich II, Fire Chief

Date: November 15, 2022

Re: CIP quote for refurbishment of Heavy Rescue Truck

The Ellington Volunteer Fire Department is requesting funding in this year's Capital Improvements request for a refurbishment of our current heavy rescue truck.

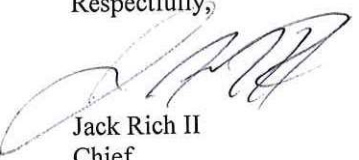
The current apparatus was built in 2001 and should have been replaced in 2021, the department felt that we would be able to stretch the life expectancy on that vehicle a few years to assist the town with other needed capital requests.

The apparatus should be replaced this year, however instead of a full replacement of the apparatus, which would cost approximately 800-825,000 dollars in today's current market, we are requesting funding to have the apparatus refurbed. By refurbishing the apparatus the department could prolong the apparatus another 10-15 years saving the town significant money.

Unfortunately there is no written quote for something like this just an estimate from other towns throughout the state that have had similar types of refurbishments. We have communicated with a few vendors about this project and they have given us a ball park figure based on what we feel would be a prioritized list of what should be refurbished example; descaling and repainted the frame, upgrade the light tower (parts for original are no longer available), repair and paint body, rebuild pto, etc. The current engine and transmission are in excellent condition according to our servicing dealer.

We are requesting a 300,000 capital request for this project. Please accept this letter in the absence of a written quote.

Respectfully,



Jack Rich II
Chief
Ellington Volunteer Fire Department

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|---|
| Agency/Department: Ellington Board of Education | | | | | | | | Project Name: Furniture and Equipment Upgrades | | |
| Project Description: Standard line-item for ongoing replacement and upgrade of technology, A/V, and classroom furniture | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project |
| Justification: The Board of Education has had a lease for the cyclical replacement of computer equipment, every 4 years. This breaks that cycle by setting money aside each year, while still maintaining our 8 year replacement. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: Reduced Interest Costs | | | | | | | | Type of Project: | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 105000 | 105000 | 105000 | 105000 | 105000 | 100000 | 625000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 105000 | 105000 | 105000 | 105000 | 105000 | 100000 | 625000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 105000 | 105000 | 105000 | 105000 | 105000 | 100000 | 625000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Equipment Purchase

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Front-line Plow Truck | | | |
| Project Description: Replacement of a 2007 model year front-line plow truck. See attached specification sheet. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Existing unit is 15 years old with approximately 65,000 miles. There is good market value in the vehicle, worth taking advantage of. Our current plan of a 22 year life cycle requires every other year replacement, this is consistent with that plan. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: Getting more value from the sale of the unit. Updating our fleet consistently allow mechanics to focus on other priorities. | | | | | | | Type of Project: Vehicle Replacement | | | |
| Costs if not implemented: Extended down time due to aging equipment. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 250000 | 0 | 255000 | 0 | 255000 | 0 | 760000 | 0 | Hartford Freightliner |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 250000 | 0 | 255000 | 0 | 255000 | 0 | 760000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 250000 | 0 | 255000 | 0 | 255000 | 0 | 760000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

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A proposal for
TOWN OF ELLINGTON

Prepared by
FREIGHTLINER OF HARTFORD
Greg Martinotti

Nov 11, 2022

Freightliner 114SD
Single Axle Plow Truck
Per State Contract #: 14PSX0239

Components shown may not reflect all spec'd options and are not to scale

Ellington DOT SBA SA Auto Chalmers –
Plus 2024



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Q U O T A T I O N
PER STATE CONTRACT #: 14PSX0239

114SD CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK
CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-
FT @ 1200 RPM
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
PTO PROVISION
RS-30-185 30,000# U-SERIES SINGLE REAR AXLE
CHALMERS 1030 30,000# REAR SUSPENSION
DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP
SINGLE FRONT AXLE
20,000# TAPERLEAF FRONT SUSPENSION

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
CAB
4125MM (162 INCH) WHEELBASE
7/16X3-9/16X11-1/8 INCH STEEL FRAME
(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
1600MM (63 INCH) REAR FRAME OVERHANG
PARTIAL INNER FRAME REINFORCEMENT AT FRONT
SUSPENSION
TEM TO EVALUATE AND INSTALL FRAME RAIL
REINFORCEMENT AS NEEDED FOR FRONT
FRAME MOUNTED EQUIPMENT

| | | | PER UNIT | | TOTAL |
|----------------------------------|----------------------|----|-------------------|----|-------------------|
| ITEM #: 1A | TOTAL # OF UNITS (1) | \$ | 109,243.56 | \$ | 109,243.56 |
| ITEM #: 1H | | \$ | 18,990.90 | \$ | 18,990.90 |
| ITEM #: 1J | | \$ | 112,228.00 | \$ | 112,228.00 |
| CUSTOMER PRICE BEFORE TAX | | \$ | 240,462.46 | \$ | 240,462.46 |

TRADE-IN

| | | | | | |
|---------------------------|-------------------------|----|-------------------|----|-------------------|
| TRADE-IN ALLOWANCE | | \$ | (0) | \$ | (0) |
| BALANCE DUE | (LOCAL CURRENCY) | \$ | 240,462.46 | \$ | 240,462.46 |

COMMENTS / OPTION FOR CONSIDERATION:

- Body proposal valid for orders received by December 9, 2022. Due to instability of the market and rising raw material costs body package will need to be reassessed and requoted.
- Chassis is based on a 2024 Model Year built in calendar year 2023 while allocation slots last.
- Henke Slader Full Trip Plow ILO Everest. NET ADD \$1,200.00

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X_____ Date: ____ / ____ / ____.

Ellington DOT SBA SA Auto Chalmers –
Plus 2024



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S P E C I F I C A T I O N P R O P O S A L

| Description | Weight Front | Weight Rear |
|---|-----------------|----------------|
| Vehicle Configuration | | |
| 114SD CONVENTIONAL CHASSIS | 7,934 | 6,476 |
| 2024 MODEL YEAR SPECIFIED | | |
| SET BACK AXLE - TRUCK | 480 | -480 |
| TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560 | 10 | 10 |
| LH PRIMARY STEERING LOCATION | | |
| General Service | | |
| TRUCK/TRAILER CONFIGURATION | | |
| DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES) | | |
| UTILITY/REPAIR/MAINTENANCE SERVICE | | |
| GOVERNMENT BUSINESS SEGMENT | | |
| DIRT/SAND/ROCK COMMODITY | | |
| TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS | | |
| MAXIMUM 8% EXPECTED GRADE | | |
| SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE | | |
| FREIGHTLINER LEVEL II WARRANTY | | |
| EXPECTED FRONT AXLE(S) LOAD: 20000.0 lbs. | | |
| EXPECTED REAR DRIVE AXLE(S) LOAD: 27120.0 lbs. | | |
| EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 47120.0 lbs. | | |
| EXPECTED GROSS COMBINATION WEIGHT: 70000.0 lbs. | | |
| Truck Service | | |
| FRONT PLOW/END DUMP BODY | | |
| EXPECTED TRUCK BODY LENGTH: 10.0 ft | | |
| EXPECTED TRUCK BODY WIDTH: 96.0 in | | |
| TENCO USA, INC. | | |
| EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES: 32.0 in | | |
| Engine | | |
| CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-FT @ 1200 RPM | -850 | -70 |

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| Description | Weight Front | Weight Rear |
|---|-----------------|----------------|
| Electronic Parameters | | |
| 66 MPH ROAD SPEED LIMIT | | |
| CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT | | |
| PTO MODE ENGINE RPM LIMIT - 2100 RPM | | |
| PTO RPM WITH CRUISE SET SWITCH - 900 RPM | | |
| PTO RPM WITH CRUISE RESUME SWITCH - 900 RPM | | |
| PTO MODE CANCEL VEHICLE SPEED - 30 MPH | | |
| PTO GOVERNOR RAMP RATE - 100 RPM PER SECOND | | |
| FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY | | |
| ONE REMOTE PTO SPEED | | |
| PTO SPEED 1 SETTING - 800 RPM | | |
| PTO MINIMUM RPM - 650 | | |
| REGEN INHIBIT SPEED THRESHOLD - 5 MPH | | |
| PTO 1, C/F PTO, WITH SWITCH, TEM SUPPLIED REQUEST, FEEDBACK AND INTERLOCKS, WITH PTO CONNECTIONS, ENGAGE WHILE DRIVING | | |
| Engine Equipment | | |
| 2010 EPA/CARB/GHG21 CONFIGURATION | | |
| 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR) | | |
| STANDARD OIL PAN | | |
| ENGINE MOUNTED OIL CHECK AND FILL | | |
| SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR | 10 | |
| DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE | | |
| (3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES | | |
| BATTERY BOX FRAME MOUNTED | | |
| STANDARD BATTERY JUMPERS | | |
| SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB | | |
| WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN | | |



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| NON-POLISHED BATTERY BOX COVER | | |
| POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT | 2 | |
| PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS | | |
| CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE | | |
| ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM | | |
| C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH | 80 | |
| RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE | 30 | 25 |
| ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER | | |
| 10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT | | |
| RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP | | |
| 6 GALLON DIESEL EXHAUST FLUID TANK | -35 | -10 |
| 100 PERCENT DIESEL EXHAUST FLUID FILL | | |
| STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING | | |
| LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION | | |
| STANDARD DIESEL EXHAUST FLUID TANK CAP | | |
| STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD | | |
| HIGH SPEED AIR POWERED ON/OFF ENGINE FAN CLUTCH | | |
| AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON-ENGINE MOUNTED | | |
| CUMMINS SPIN ON FUEL FILTER | | |
| COMBINATION FULL FLOW/BYPASS OIL FILTER | | |
| FLEETGUARD PLAIN COOLANT FILTER | | |
| 1300 SQUARE INCH ALUMINUM RADIATOR | -50 | |
| ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT | | |
| GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT | | |



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES | | |
| RADIATOR DRAIN VALVE | | |
| PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER | 4 | |
| CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR | | |
| ELECTRIC GRID AIR INTAKE WARMER | | |
| DELCO 12V 39MT HD/OCF STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH | -45 | |

Transmission

ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 146 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

S1 PERFORMANCE SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

2100 RPM PRIMARY MODE SHIFT SPEED

2100 RPM SECONDARY MODE SHIFT SPEED

FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED

DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES

MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM

MAXIMUM ENGINE SPEED FOR PTO OPERATION 3000 RPM



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 3000 RPM - ALLISON 5TH GEN TRANSMISSIONS | | |
| MAXIMUM OUTPUT SPEED FOR PTO OPERATION 4000 RPM - ALLISON 5TH GEN TRANSMISSIONS | | |
| QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS | | |
| ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR | | |
| CUSTOMER INSTALLED CHELSEA 280 SERIES PTO | | |
| PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION ALLISON & EATON FULLER | | |
| MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN | | |
| PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED | | |
| TRANSMISSION PROGNOSTICS - ENABLED 2013 | | |
| WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK | -15 | |
| TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK | | |
| SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT) | | |

Front Axle and Equipment

| | |
|---|-----|
| DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE | 190 |
| MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES | 10 |
| NON-ASBESTOS FRONT BRAKE LINING CONMET CAST IRON FRONT BRAKE DRUMS FRONT BRAKE DUST SHIELDS | 5 |
| FRONT OIL SEALS STEMCO SERIES 350 ALUMINUM FRONT HUB CAPS WITH WINDOW AND REMOVABLE BLUE SENTINEL ESP VENT PLUGS - OIL STANDARD SPINDLE NUTS FOR ALL AXLES FRONT BRAKE CHAMBERS - MGM LONGSTROKE HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS | |



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| Description | Weight Front | Weight Rear |
|---|-----------------|----------------|
| STANDARD KING PIN BUSHINGS | | |
| TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR | 130 | |
| POWER STEERING PUMP | | |
| 4 QUART POWER STEERING RESERVOIR | | |
| OIL/AIR POWER STEERING COOLER | | |
| CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE | | |
| Front Suspension | | |
| 20,000# TAPERLEAF FRONT SUSPENSION | 200 | |
| MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION | | |
| FRONT SHOCK ABSORBERS | | |
| Rear Axle and Equipment | | |
| RS-30-185 30,000# U-SERIES SINGLE REAR AXLE | | -2,070 |
| 6.14 REAR AXLE RATIO | | |
| IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING | | |
| MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES | 5 | 5 |
| DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE | | 20 |
| (1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE | | |
| INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE AT SPEEDS 5 MPH OR LESS, DISENGAGE W/IGN OFF OR SPEEDS EXCEEDING 25 MPH | | |
| MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES | | 20 |
| NON-ASBESTOS REAR BRAKE LINING | | |
| BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) | | |
| WEBB CAST IRON REAR BRAKE DRUMS | | 100 |
| REAR BRAKE DUST SHIELDS | | 5 |
| REAR OIL SEALS | | |
| MGM TR-T LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS | | |
| HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS | | |
| CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE | | |



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| | Description | Weight Front | Weight Rear |
|------------------------------|---|-----------------|----------------|
| | ARVINMERITOR METAL/COMPOSITE FITTING AND U-TUBE REAR AXLE BREATHER(S) | | |
| Rear Suspension | | | |
| | CHALMERS 1030 30,000# REAR SUSPENSION | | 180 |
| | CHALMERS 1030 SERIES - 9.37-inch RIDE HEIGHT | | |
| | FORE/AFT CONTROL RODS | | |
| | REAR SHOCK ABSORBERS - ONE AXLE | | |
| Brake System | | | |
| | WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH | | |
| | REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES | | |
| | FIBER BRAID PARKING BRAKE HOSE | | |
| | STANDARD BRAKE SYSTEM VALVES | | |
| | STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM | | |
| | STD U.S. FRONT BRAKE VALVE | | |
| | RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE | | |
| | WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER | | |
| | WABCO OIL COALESCING FILTER FOR AIR DRYER | | |
| | AIR DRYER MOUNTED INBOARD ON LH RAIL | | |
| | ALUMINUM AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL | | |
| | MOUNT PERP TANKS ON RH RAIL AS FAR AFT A S POSSIBLE. MOUNT THIRD TANK RH IN RAIL | | |
| | PULL CABLES ON ALL AIR RESERVOIRS WITH KEY RING TYPE ATTACHMENT | | |
| | CAB BLOW OUT KIT WITH AIR HOSE AND NOZZLE INSIDE LH CAB ENTRY DOOR | 2 | |
| Trailer Connections | | | |
| | AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS | | |
| | SWITCH AND INDICATOR LIGHT FOR PRIMARY RECEPTACLE CENTER PIN, LABELED TRLR- AUX, WITH STOP SIGNAL PREWIRE PACKAGE | | |
| | SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME | | |
| Wheelbase & Frame | | | |



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| Description | Weight Front | Weight Rear |
|--|--------------|-------------|
| 4125MM (162 INCH) WHEELBASE | | |
| 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI | 80 | 190 |
| PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION | 180 | |
| TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT | | |
| 1600MM (63 INCH) REAR FRAME OVERHANG FRAME OVERHANG RANGE: 61 INCH TO 70 INCH | | |
| 24 INCH INTEGRAL FRONT FRAME EXTENSION CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 96.85 in | 140 | -20 |
| CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 93.85 in | | |
| CALC'D FRAME LENGTH - OVERALL: 295.0 in | | |
| CALCULATED FRAME SPACE LH SIDE: 54.53 in | | |
| CALCULATED FRAME SPACE RH SIDE: 44.3 in | | |
| SQUARE END OF FRAME | | |
| FRONT CLOSING CROSSMEMBER | | |
| STANDARD WEIGHT ENGINE CROSSMEMBER | | |
| STANDARD MIDSHIP #1 CROSSMEMBER(S) | | |
| REARMOST CROSSMEMBER MOUNTED WITH LAST CROSSMEMBER 13 INCHES FROM END OF FRAME | | |
| STANDARD SUSPENSION CROSSMEMBER | | |
| Chassis Equipment | | |
| 14 INCH PAINTED STEEL BUMPER | 20 | |
| BUMPER MOUNTING FOR SINGLE LICENSE PLATE | | |
| GRADE 8 THREADED HEX HEADED FRAME FASTENERS | | |
| EXTERIOR HARNESES WRAPPED IN ABRASION TAPE | | |
| Fuel Tanks | | |
| 50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH | -10 | |
| RECTANGULAR FUEL TANK(S) | | |
| PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS | | |



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| | Description | Weight Front | Weight Rear |
|---------------------|--|-----------------|----------------|
| | FUEL TANK(S) FORWARD PLAIN STEP FINISH FUEL TANK CAP(S) DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER" EQUIFLO INBOARD FUEL SYSTEM HIGH TEMPERATURE REINFORCED NYLON FUEL LINE | 10 | |
| Tires | | | |
| | MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES | 100 | |
| | MICHELIN XDS 12R22.5 16 PLY RADIAL REAR TIRES | | 156 |
| Hubs | | | |
| | CONMET PRESET PLUS PREMIUM IRON FRONT HUBS | | |
| | WEBB IRON REAR HUBS | | 280 |
| Wheels | | | |
| | ALCOA ULTRA ONE 89U63X 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HD ALUMINUM FRONT WHEELS | -44 | |
| | ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM REAR WHEELS | | -56 |
| | POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH | | |
| | POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH | | |
| | POLISHED DISC SIDE SPARE WHEEL WITH DURA-BRIGHT FINISH AND POLISHED (DISHED SIDE) ADDITIONAL SPARE WHEEL | | |
| | FRONT TIRE/DISC WHEEL STATIC BALANCING WITH LEAD-FREE WEIGHTS | | |
| | FRONT WHEEL MOUNTING NUTS | | |
| | REAR WHEEL MOUNTING NUTS | | |
| | NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES | | |
| Cab Exterior | | | |
| | 114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB | | |
| | AIR CAB MOUNTING | | |



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE | | |
| SHORT FENDER WITH MUDFLAP | | |
| BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS | 10 | |
| LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT | | |
| STATIONARY BLACK GRILLE | | |
| BLACK HOOD MOUNTED AIR INTAKE GRILLE | | |
| FIBERGLASS HOOD | | |
| HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION | 5 | |
| DUAL 26 INCH RECTANGULAR POLISHED ALUMINUM AIR HORNS ROOF MOUNTED | 4 | |
| SINGLE ELECTRIC HORN | | |
| DUAL HORN SHIELDS | | |
| REAR LICENSE PLATE MOUNT END OF FRAME | | |
| HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS | | |
| LED AERODYNAMIC MARKER LIGHTS | | |
| WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER | | |
| HEADLIGHTS ON WITH WIPERS, NO DAYTIME RUNNING LIGHTS | | |
| INTEGRAL LED STOP/TAIL/BACKUP LIGHTS | | |
| STANDARD FRONT TURN SIGNAL LAMPS | | |
| DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE | | |
| DOOR MOUNTED MIRRORS | | |
| 102 INCH EQUIPMENT WIDTH | | |
| LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS | | |
| RH DOWN VIEW MIRROR | | |
| STANDARD SIDE/REAR REFLECTORS | | |
| RH AFTERTREATMENT SYSTEM CAB ACCESS WITH PLAIN DIAMOND PLATE COVER | | |
| COMPOSITE EXTERIOR SUN VISOR | 10 | |
| 63X14 INCH TINTED REAR WINDOW | | |
| TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS | | |
| RH AND LH ELECTRIC POWERED WINDOWS | 4 | 4 |

Ellington DOT SBA SA Auto Chalmers --
Plus 2024



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| LOWER RH DOOR WINDOW WITH FRESNEL LENS | 7 | |
| 1-PIECE BONDED HEATED WIPER PARK SOLAR GREEN GLASS WINDSHIELD | | |
| 8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR | | |
| Cab Interior | | |
| RUGGED TRIM PACKAGE | | |
| GRAY & CARBON VINYL INTERIOR "RUGGED" | | |
| CARBON WITH PREMIUM GUNMETAL ACCENT (RUGGED) | | |
| MOLDED PLASTIC DOOR PANEL | | |
| MOLDED PLASTIC DOOR PANEL | | |
| BLACK MATS WITH SINGLE INSULATION | | |
| (1) DASH MOUNTED 12V POWER OUTLET (1) DASH MOUNTED DUAL 2.1 AMP USB-C CHARGER | | |
| FORWARD ROOF MOUNTED CONSOLE | | |
| CENTER STORAGE CONSOLE MOUNTED ON BACKWALL | 20 | |
| LH AND RH KICKPLATES | | |
| DIGITAL ALARM CLOCK IN DRIVER DISPLAY | | |
| (2) CUP HOLDERS LH AND RH DASH | | |
| M2/SD DASH | | |
| 2-1/2 LB. FIRE EXTINGUISHER | 5 | |
| HEATER, DEFROSTER AND AIR CONDITIONER | | |
| STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE | | |
| MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH | | |
| STANDARD HEATER PLUMBING | | |
| VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR | | |
| BINARY CONTROL, R-134A | | |
| PREMIUM INSULATION | | |
| SOLID-STATE CIRCUIT PROTECTION AND FUSES | | |
| 12V NEGATIVE GROUND ELECTRICAL SYSTEM | | |
| PREMIUM LED CAB LIGHTING | | |
| REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS | 2 | |



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1013 | | |
| KEY QUANTITY OF 2 | | |
| LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION | | |
| TRIANGULAR REFLECTORS WITHOUT FLARES | 10 | |
| PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK | 70 | |
| BASIC ISRINGHAUSEN HIGH BACK NON- SUSPENSION TOOL BOX PASSENGER SEAT | | |
| DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS | 4 | |
| LH AND RH INTEGRAL DOOR PANEL ARMRESTS | | |
| BLACK MORDURA CLOTH DRIVER SEAT COVER | | |
| BLACK MORDURA CLOTH PASSENGER SEAT COVER | | |
| HIGH VISIBILITY ORANGE SEAT BELTS | | |
| ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN | 10 | |
| 4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS | | |
| DRIVER AND PASSENGER INTERIOR SUN VISORS | | |

Instruments & Controls

DIGITAL PANEL LAMP DIMMER SWITCH IN
DRIVER DISPLAY

12 EXTRA PROGRAMMABLE
SWITCHES/INDICATORS

\$C1B0208ZZ, C1C0209ZZ, C2A0205ZZ, C1D0138ZZ, C1E0160ZZ, B5M5011ZZ, B5N5012ZZ,
C2B0168ZZ, B5D5003ZZ, C1F0100ZZ, C1G0232ZZ, C1H0230ZZ

ELECTRONIC ACCELERATOR CONTROL

NO INSTRUMENT PANEL-DRIVER

CONFIGURABLE LOWER PANEL WITH
INTEGRATED UPPER STORAGE

ENGINE REMOTE INTERFACE WITH PARK
BRAKE INTERLOCK

BRIGHT ARGENT FINISH GAUGE BEZELS

LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM



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| Description | Weight Front | Weight Rear |
|--|-----------------|----------------|
| DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE | | |
| DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS | | |
| CONSTANT 107 DECIBELS BACKUP ALARM | | 3 |
| ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES | | |
| KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY | | |
| PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY | | |
| HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH | | |
| 2 INCH ELECTRIC FUEL GAUGE | | |
| ENGINE REMOTE INTERFACE NOT CONFIGURED | | |
| QUICKFIT POWERTRAIN INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH BLUNTCUTS | | |
| QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) BETWEEN SEATS WITH BLUNTCUTS | | |
| ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR | | |
| ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE | | |
| DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY | | |
| ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER | | |
| ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY | | |
| PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE | | |
| ELECTRIC ENGINE OIL PRESSURE GAUGE | | |
| NO OVERHEAD INSTRUMENT PANEL | | |
| QUICKFIT PROGRAMMABLE INTERFACE MODULE | 10 | |
| RAM MOUNT OVERHEAD CONSOLE WITH POWER AND GROUND | | |
| AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939 | 10 | |



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| Description | Weight Front | Weight Rear |
|---|-----------------|----------------|
| DASH MOUNTED RADIO | | |
| (2) RADIO SPEAKERS IN CAB | | |
| AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF | | |
| POWER AND GROUND WIRING PROVISION OVERHEAD | | |
| ROOF/OVERHEAD CONSOLE CB RADIO PROVISION | | |
| STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS | | |
| ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER | | |
| STANDARD VEHICLE SPEED SENSOR | | |
| ELECTRONIC 3000 RPM TACHOMETER | | |
| DETROIT CONNECT PLATFORM HARDWARE | | |
| 3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT | | |
| TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL | | |
| IGNITION SWITCH CONTROLLED ENGINE STOP | | |
| PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS AND SERVICE BRAKES | | |
| STEERING WHEEL MOUNTED ELECTRIC HORN CONTROL | | |
| BW TRACTOR PROTECTION VALVE | | |
| TRAILER HAND CONTROL BRAKE VALVE | | |
| DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY | | |
| DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY | | |
| SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET | | |
| ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS | | |
| TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR | | |
| SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT | | |



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| Description | Weight Front | Weight Rear |
|---|--------------|-------------|
| INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY | | |

Color

CAB COLOR A: L0006EY WHITE ELITE EY
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT
STANDARD BLACK BUMPER PAINT
SUNVISOR PAINTED SAME AS CAB COLOR A
STANDARD E COAT/UNDERCOATING

Extended Front Axle Coverage

AXLE: DETROIT FRONT ONLY: HD MODERATE 5
YEARS/100,000 MILES/161,000 KM EXTENDED
AXLE COVERAGE

Certification / Compliance

U.S. FMVSS CERTIFICATION
HEAVY-DUTY REMOVABLE RUBBER SLUSH
CATCHING FLOOR MATS

Secondary Factory Options

CORPORATE PDI CENTER OPTION
INSTALLATION/MODIFICATION ONLY

TOTAL VEHICLE SUMMARY

Weight Summary

| | Weight Front | Weight Rear | Total Weight |
|-----------------------------|--------------|-------------|--------------|
| Factory Weight ⁺ | 8754 lbs. | 5146 lbs. | 13900 lbs. |
| Total Weight ⁺ | 8754 lbs. | 5146 lbs. | 13900 lbs. |

Extended Warranty

CUM 2017 L9: HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM
EXTENDED WARRANTY. FEX APPLIES
CUM 2017 L9: AT3 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM
AFTERTREATMENT. FEX APPLIES
TC4: US HD STANDARD/MODERATE VOCATIONAL 7 YEARS/100,000
MILES/161,000 KM EXTENDED TRUCK COVERAGE



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ALLISON 3000 RDS SERIES TRANSMISSION EXTENDED
 WARRANTY, 7 YEARS/UNLIMITED MILES, FEX

AXLE: NON-DETROIT SINGLE REAR ONLY: HD MODERATE 5
 YEARS/100,000 MILES/161,000 KM EXTENDED COVERAGE

TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING
 COVERAGE \$750 CAP FEX APPLIES

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

Body Proposal

- Tenco 12M-10-ES All Season Body
- Body Construction 3/16" Hardox 450 Steel 205,000 PSI And Stainless Steel
- Hardox 450 205,000 PSI Walls, Head sheet, Tailgate, Floor, & Chain Cover
- 304# 3/16" Stainless Steel Rear Corner posts
- Stainless Steel Removable Conveyor System
- Stainless Steel Hydraulic Body Lines
- 6.0 Cubic Yard Capacity Level
- 39" Air Tailgate
- Conveyor Step
- Bolt-on Asphalt Apron
- Mailhot CS-90 Stage Telescopic Main Dump
- 30" Cab shield Fully reinforced
- Open Understructure With 3" C-Channel
- COMPLETE GREASE MANIFOLD for Body
- Buyers SS Tuck-away Ladder front Driver side
- Conveyor Chain to have Cross Flight EVERY Link
- Grease Actuators for Chain Tensioning
- Poly Discharge Chute Chassis-Mount
- Chute Bracket to be Removable
- 16" Poly Spinner
- 3-1/2" X 22" Side Dump Cylinders 19 Ton Capacity
- Front & Rear Mud Flaps with Anti-Sail on Stainless Steel Brackets
- Additional Flap in Front of Discharge Chute
- Center Flap to Protect Brake Chambers with Stainless Steel Brackets
- Conspicuity Tape & Safety Stickers as Required
- Shovel Holder with Snap Pin
- Wheel Chock Holder with Chocks



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PLOW FRAME:

- Custom Plow Frame for Stationary Grill
- CONE HOLDER
- 4" X 10" DA Lift Cylinder
- Cushion Valve on Lift Cylinder
- Multiple Push Points at 21" & 30.5" Ctrs
- Plow Relief Circuit for Ease of Plow Disconnect

PLOW:

- EVEREST RHS132TML3654SH FULL TRIP Plow with Flap
- 10 Gauge Moldboard
- Integral Shield with Curbside Mailbox Cut
- 30.5" Push Swivel Bar
- Four (4) Trip Springs
- CABLE LIFT
- Hydraulic power reverse with Cushion Valve
- Rubber Shield Across Moldboard
- NORDICK MOVE 1100
- Rod Markers
- Parking Jack
- Moldboard Face Painted Orange

HYDRAULIC SYSTEM:

- 37 Gallon Hydraulic Reservoir with Sight/Temp gauge
- Hydraulic Filter with indicator
- Low Oil Alert Light and Alarm with Low Oil Shutdown
- 2" Ball Valve shut-offs
- Suction Line Strainer
- 75cc Variable Displacement Pump
- HOT-Shift Wet-Spline PTO via Allison 3000 series & Chassis-supplied Switch
- Five (5) Bank V20 AIR Load Sense Valve System
- Five (5) In-Cab DEL AIR Control for Body, Plow, & Load Cover Functions
- CIRUS EZ-SPREAD Spreader Control
- STAINLESS STEEL Valve Enclosure
- STAINLESS STEEL Hydraulic Manifold & 1/2" Stainless Steel Piping throughout utilizing Short Lengths of Hose & Swivel Fittings

ELECTRICAL:

- Body LED ICC Lighting
- LED Spinner Light with In Cab Switch
- LED Load Light with In Cab Switch
- TWO (2) Rear LED Spots Lights



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- ECCO LED Heated Plow Lights Mounted on Stainless Steel Brackets utilizing Chassis Plow Light Circuitry
- Additional Bracket for Convex Mirror
- WHELEN 500 Two (2) Front Amber Strobes in Cab Shield
- WHELEN 500 Lighting Rear Corner post Amber Strobe; S/T/T; & Reverse
- Allied Lighting to be tied into Factory Aux Switches
- PTO to be Switch to be Chassis-supplied

PINTLE ASSEMBLY & LOAD COVER:

- 25 Ton Pintle Hitch on 3/4" Tow Plate, D-Rings, 7 Way RV Style Trailer Connector, Glad Hands
- Electric Brake Controller (Chassis to supply to Rear)
- Hydraulic Load Cover
- Wind guard in Front of Load Cover

MISCELLANEOUS:

- On Spot Automatic Tire Chains
- 24" X 18" X 18" Stainless Steel or Poly Tool Box
- Poly Fenders
- Shovel Bar Holder
- Chock Holders & Chocks

FINISH:

- Body Painted ORANGE
- BLACK ENAMEL on Plow Frame, Understructure of Body, & Pintle Assy



CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Small Dump Truck | | | |
| Project Description: Purchase of small dump truck replacement in 2026-27. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: These trucks are used daily, year round transporting material and manpower to job sites. They are also a key part in assisting the larger trucks in snow clean up of the roads and parking lots. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Effectively and efficiently move workers to and from sites. Less wear and tear on larger equipment. | | | | | | | Type of Project: Equipment | | | |
| Costs if not implemented: Down time due to aging equipment | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | 0 | 0 | 65000 | 0 | 0 | 65000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 65000 | 0 | 0 | 65000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 65000 | 0 | 0 | 65000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Pick-Up Truck | | | |
| Project Description: Replacment of Parks Pick-up Truck. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Use of small pickup trucks provide a more cost effective means of moving men and materials to jobsites. Existing unit is 17 years old. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Replacing provides limited downtime if vehicle should need repair and frees up mechanics to focus time on other priorities. | | | | | | | Type of Project: Equipment | | | |
| Costs if not implemented: Down time due to aging equipment | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | 50000 | 0 | 50000 | 0 | 0 | 100000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 50000 | 0 | 50000 | 0 | 0 | 100000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 50000 | 0 | 50000 | 0 | 0 | 100000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Pickup truck replacement | | | |
| Project Description: Adding a Superintendent of Operations vehicle | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The Superintendent of Operations is on-call 24/7 to provide/delegate service when necessary to the residents. The existing vehicle followed from the Foreman's position and was slated for replacement with ARPA funds, however due to the change in title the new vehicle will go to the new Foreman. The existing unit with 120,000 miles will be rotated into the pool as a fleet vehicle. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: Maintain a high level of service to the community during all hours and weather events. | | | | | | | Type of Project: Vehicle Replacement | | | |
| Costs if not implemented: Extended down time & costs due to aging vehicle. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 50000 | 0 | 0 | 0 | 0 | 0 | 50000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 50000 | 0 | 0 | 0 | 0 | 0 | 50000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 50000 | 0 | 0 | 0 | 0 | 0 | 50000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Gengras Ford, LLC

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

Quote Number: **221108008****STATE CONTRACT NO: 19PSX0161**

| Make | MY | Model | Contract Price |
|------|------|---|----------------|
| Ford | 2023 | F150 4X4 CREW (W1E) - 145" wheelbase - 5-1/2 foot bed | \$ 38,805.00 |

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 | YZ | Oxford White | \$ - |
| 2 | MS | Cloth 40/20/40 Medium Dark Slate | \$ - |
| 3 | 995 | 5.0L V8 with Auto Start-Stop Technology and Flex-Fuel Capability | \$ 2,335.00 |
| 4 | 44G | Electronic Ten-Speed Automatic | \$ - |
| 5 | 300A | XLT | \$ 3,131.00 |
| 6 | STD | Spare Key - One (1) | \$ - |
| 7 | STD | 7050 Lb GVW | \$ - |
| 8 | 413 | Skid Plates | \$ 160.00 |
| 9 | 18B | Cab steps | \$ 250.00 |
| 10 | 47W | Floor Tray (only) | \$ 160.00 |
| 11 | 471 | 400 w / 110 v Inverter | \$ 290.00 |
| 12 | 52X | Start/Stop delete | \$ (50.00) |
| 13 | 524 | SYNC 4 | \$ 325.00 |
| 14 | 53A | Trailer Tow Package | \$ 1,325.00 |
| 15 | 54R | Dual Power Exterior Mirrors | \$ 190.00 |
| 16 | 655 | Extended Range Fuel Tank | \$ 445.00 |
| 17 | 763 | 360 Camera | \$ 765.00 |
| 18 | 91P | 8-way Power Driver's Seat | \$ 350.00 |
| 19 | | | \$ - |
| 20 | | | \$ - |
| Total Options per Contract Price (list price) | | | \$ 9,676.00 |
| Total Factory Options Discount (6%) | | | \$ (580.56) |
| Total Options per Contract Price (net price) | | | \$ 9,095.44 |

Gengras Ford, LLC

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



Page 2

 Quote Number: **221108008**
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

Total Aftermarket Options (list price)

\$ -

Total Aftermarket Options Discount (20%)

\$ -

Total Hours x \$130 / hour rate

\$ -

Total Net Aftermarket Options plus Total Labor

\$ -

Trade Allowance

| Year | Make | VIN | Description / Mileage | Allowance |
|------|------|-----|-----------------------|-----------|
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |

Total Trade in Allowance

\$ -

Comments:

Factory order. Order to delivery lead-time is currently unavailable from Ford.

Additional fees / Charges

State of CT Trade in Assessment (Note: Fee is payable to State of CT):

\$ -

Dealer Conveyance Fee (\$799.00)

\$ -

Registration Fee (estimated)

\$ -

DMV Inspection Fee (as required)

\$ -

Total Additional Fees

\$ -

Customer: Town of Ellington

FIN Code: QD145

VIN:

Total (per unit) \$ 47,900.44

Quantity

1

Grand Total (all) \$ 47,900.44

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Backhoe/Excavator | | | |
| Project Description: New piece of Equipment and is being requested to allow the crew to operate in a more efficient manner on drainage projects. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Future plan to replace the existing backhoe. Existing backhoe is beginning to require more maintenance and is getting near the end of its service life. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Less wear and tear on the backhoe. | | | | | | | Type of Project: Equipment | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | | 0 | 90000 | 0 | 0 | 90000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 90000 | 0 | 0 | 90000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 90000 | 0 | 0 | 90000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|--|---|--|---|
| Agency/Department: Public Works Department | | | | | | | Project Name: Full Size Excavator | | | |
| Project Description: Future purchase of full Size Excavator | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input checked="" type="checkbox"/> #4 Desirable Project |
| Justification: Currently do not have an excavator. Would increase productivity on current projects and provide the ability to take on new projects. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Opens doors to new projects, waterway cleaning | | | | | | | Type of Project: Equipment | | | |
| Costs if not implemented: Additional labor/sub-contractor costs | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | | | 0 | 250000 | 0 | 250000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 0 | 250000 | 0 | 250000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 0 | 250000 | 0 | 250000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Turf Mowers | | |
| Project Description: Turf Mower Replacment | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: These mowers are used daily during the growing season to mow all turf areas within the town, from athletic fields (town and School) and all parks. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: 7 year replacement cycle to keep equipment in strong working condition. | | | | | | | | Type of Project: Equipment | | |
| Costs if not implemented: Down time due to needed repairs. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | | 120000 | 0 | 0 | 0 | 120000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 120000 | 0 | 0 | 0 | 120000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 120000 | 0 | 0 | 0 | 120000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Roadside Mower | | | |
| Project Description: Replacement of the "MOTT Mower" which is a 1984 unit (38 years old) with 9,792 hours and counting. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: This unit is cab-less and non-emissions compliant. It is rather antiquated and requires constant maintenance when operating. The replacement would be of the "Over-the-Rail" configuration which would allow a reconfiguring of the current "OTR" to accept wing mowers. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: More productivity due to less down time. Operator safety increases with a cab and more safety features. | | | | | | | Type of Project: Equipment Replacement | | | |
| Costs if not implemented: Health & safety risks as well as equipment repair costs due to aging equipment. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 245000 | 0 | 0 | 0 | 0 | 0 | 245000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 245000 | 0 | 0 | 0 | 0 | 0 | 245000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 245000 | 0 | 0 | 0 | 0 | 0 | 245000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

Bacher Corp. of Conn.
 7 Thompson Road
 PO Box 733
 East Windsor, CT 06088-0733

Voice: 860-627-5924
 Fax: 860-292-6393

QUOTATION

Quote Number: 4220
 Quote Date: Nov 8, 2022
 Page: 1

Quoted To:

ELLINGTON, TOWN OF DPW
 PUBLIC WORKS DEPT.
 P.O. BOX 187
 ELLINGTON, CT 06029

Ship To:

PUBLIC WORKS DEPT.
 21 MAIN STREET
 ELLINGTON, CT 06029

| Customer ID | Good Thru | Payment Terms | Sales Rep |
|-------------|-----------|---------------|-----------|
| E00004 | 12/8/22 | Net 20 Days | OLIS |

| Quantity | Item | Description | Unit Price | Amount |
|----------|------|---|------------|------------|
| 1.00 | | <p>Alamo Boom Mower/Tractor Pkg. consisting of an Alamo18' Machette Boom. The frame is braced to the front bolster & rear axle. It has a 25 gallon tank mounted to front of the tractor a closed loop piston pump hyd system, pivot points on lift and dipper are fabricated from T-1 Steel Plates for strength and durability all operating functions are separate from the tractor hyd system and run with a dual piston pump and joystick control in the cab tractor cab. Joystick hydraulic control, and a front axle stabilizer. A 48" flail axe head will be attached to boom.</p> <p>This Alamo equipment will be mounted on a John Deere Tractor, Model 6120M, 4WD consisting of an engine block heater, 120HP 4 cylinder water cooled engine.</p> <p>The transmission is 16F/16R Powrerquad Plus with Creeper. Front tires: 400/80R24 Nokian. Rear Tires: 480/80R34 Nokian</p> <p>The tractor has a cab w/heat and AC, weather band AM/FM radio, beacon light kit , antenna, front wiper & washer, backup alarm, manual telescopic mirrors 12.4 24 R1 front tires. The left rear tire will be filled with a non toxic liquid ballast. There will be a 1,300lb.</p> | 228,625.00 | 228,625.00 |

IT'S ALL ABOUT THE SERVICE AFTER THE SALE!

| | |
|---------------------|------------------|
| Subtotal | Continued |
| Sales Tax | Continued |
| Shipping & Handling | |
| TOTAL | Continued |

Bacher Corp. of Conn.
 7 Thompson Road
 PO Box 733
 East Windsor, CT 06088-0733

Voice: 860-627-5924
 Fax: 860-292-6393

QUOTATION

Quote Number: 4220
 Quote Date: Nov 8, 2022
 Page: 2

Quoted To:

ELLINGTON, TOWN OF DPW
 PUBLIC WORKS DEPT.
 P.O. BOX 187
 ELLINGTON, CT 06029

Ship To:

PUBLIC WORKS DEPT.
 21 MAIN STREET
 ELLINGTON, CT 06029

| Customer ID | Good Thru | Payment Terms | Sales Rep |
|-------------|-----------|---------------|-----------|
| E00004 | 12/8/22 | Net 20 Days | OLIS |

| Quantity | Item | Description | Unit Price | Amount |
|----------|------|--|------------|-----------|
| 1.00 | | left rear wheel weight | | |
| 1.00 | | Mechanical suspension seat and wheelan light package. | | |
| | | Net incoming freight, set up, delivery & training | 12,908.40 | 12,908.40 |
| | | Material surcharges note (subject to change with price changes in materials) | 2,549.02 | 2,549.02 |
| | | OPTION - 48" flail axe with non swivel deduct. - \$2683.00 | | |
| | | A five million dollar liability policy also come with the unit. | | |
| | | Tom Modzelewski, PW Superintendent of operations, T 860-870-3140, E: thmodzelewski | | |
| | | Note Pricing on this quote are for Budget purpose. Please contact John Olisky to verify pricing on equipment | | |

IT'S ALL ABOUT THE SERVICE AFTER THE SALE!

| | |
|---------------------|-------------------|
| Subtotal | 244,082.42 |
| Sales Tax | |
| Shipping & Handling | |
| TOTAL | 244,082.42 |

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Loader | | |
| Project Description: Future replacement of our 1987 Loader | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: Current model year is 1987 and is worn out. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: More effieicent work on projects due to updated equipment | | | | | | | | Type of Project: Equipment | | |
| Costs if not implemented: Downtime due to repairs | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | 200000 | | 0 | 0 | 0 | 200000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 200000 | 0 | 0 | 0 | 0 | 200000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 200000 | 0 | 0 | 0 | 0 | 200000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Pool Car/Town Staff Vehicle | | | |
| Project Description: Purchase of a vehicle to replaced a pool car/town staff vehicle | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Potential need to replace current pool car or Town Staff vehicle | | | | | | | Required/Desired Date of Project Completion: 6/30/2027 | | | |
| Benefits: Would reduce cost and time to repair and maintain older vehicle on the fleet | | | | | | | Type of Project: Equipment Purchase | | | |
| Costs if not implemented: Cost to keep older vehicles on the fleet in repairs and maintenance | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Quote |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | (1) | 0 | | 0 | 50000 | 0 | 0 | 50000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 50000 | 0 | 0 | 50000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 50000 | 0 | 0 | 50000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: 5 Ton Roller | | |
| Project Description: Future replacement of our 5 Ton Roller | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: | | | | | | | | Type of Project: Equipment | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | 0 | 0 | 100000 | 0 | 0 | 100000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 0 | 100000 | 0 | 0 | 100000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 0 | 100000 | 0 | 0 | 100000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Skid Steer | | | |
| Project Description: Future purchase of new skid steer | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Existing is old and wearing out. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Safer to operate, less time mechanics need to spend on repair | | | | | | | Type of Project: Equipment | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | 70000 | 0 | 0 | 0 | 0 | 70000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 70000 | 0 | 0 | 0 | 0 | 70000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 70000 | 0 | 0 | 0 | 0 | 70000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Stand on blower | | |
| Project Description: Future purchase of Stand on blower | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: Currently do not have a stand on blower. Purchase of this would increase efficiency and productivity. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: Would make blowing off town walks quicker and more efficient. Can be used by both the roads and parks departments. | | | | | | | | Type of Project: Equipment | | |
| Costs if not implemented: Additional labor cost | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | | 18000 | 0 | 0 | 0 | 18000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 18000 | 0 | 0 | 0 | 18000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 18000 | 0 | 0 | 0 | 18000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Vacuum Trailer | | |
| Project Description: Vacuum Trailer | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: New piece of equipment . Would increase efficiency and productivity & allow the ability to provide services in-house rather than sub out. | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: Save money by not subcontracting smaller projects that could be done in house. Useful for roads crew and WPCA. | | | | | | | | Type of Project: New Equipment | | |
| Costs if not implemented: Continue to subcontract small projects out ththat could be preformed in house. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 0 | | 80000 | 0 | 0 | 0 | 80000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 0 | 80000 | 0 | 0 | 0 | 80000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 0 | 80000 | 0 | 0 | 0 | 80000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|---|--|
| Agency/Department: Public Works Department | | | | | | | | Project Name: Parks Equipment | | |
| Project Description: Parks Equipment | | | | | | | | Priority Rank by Agency/Department | | |
| | | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project |
| Justification: Replacement of outdated equipment to manage upkeep of parks. Turf roller, infield laser, line striper and infield machine | | | | | | | | Required/Desired Date of Project Completion: | | |
| Benefits: No downtime due to broken/outdated equipment | | | | | | | | Type of Project: Replace Equipment | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 0 | 25000 | 25000 | 25000 | 25000 | 25000 | 125000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 0 | 25000 | 25000 | 25000 | 25000 | 25000 | 125000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 0 | 25000 | 25000 | 25000 | 25000 | 25000 | 125000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|-----------------|------------|------------|------------|------------|------------|--|--|---|--|
| Agency/Department: EVFD/CLVFD | | | | | | | Project Name: Fire hose replacement | | | |
| Project Description: Replacement of Fire service hose, attack and supply 6,000 feet of 5" LDH, 900' of 3", 1500' of 1 3/4" | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input checked="" type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: Current hose in both departments is 30 plus years old, more and more failing each year | | | | | | | Required/Desired Date of Project Completion: Summer 23 | | | |
| Benefits: <small>Less likely to fail on a emergency scene, cost less each year out of operating budget. Currently there is no spare 3" and CLVFD and only a few lengths of 5" LDH supply hose between both department</small> | | | | | | | Type of Project: | | | |
| Costs if not implemented: <small>Fire hose is tested annually by both departments by a outside vendor, every year more and more hose is failing due to the age. By not replacing the current hose the hose could possibly fail on the scene of an emergency.</small> | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 56356.50 | 0 | 0 | 0 | 0 | 0 | 56356.50 | 0 | Americian Fire Supply |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 56356.50 | 0 | 0 | 0 | 0 | 0 | 56356.50 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 56356.50 | 0 | 0 | 0 | 0 | 0 | 56356.50 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other



222 BEMIS ROAD
Fitchburg, MA 01420

Customer ID: ELLINGTON

Quote

Phone:(978) 345-7570

Fax:(978) 345-7572

Quote #: **31055**

Quote To: **ELLINGTON FIRE DEPT.**
PO BOX 911
Ellington, CT 06029

Ship To: **ELLINGTON FIRE DEPT.**
29 MAIN STREET
Ellington, CT 06029

Phone: (860) 819-2252 Fax:

| Date | Ship Via | F.O.B. | Terms | |
|-----------------------|----------|--------------|------------|----------|
| 11/08/22 | BEST WAY | Destination | Net 30 | |
| Purchase Order Number | | Sales Person | | Required |
| | | | | 11/08/22 |
| Quantity | | | Unit Price | Amount |
| Required | Shipped | B.O. | | |

TAG: CAPITAL IMPROVEMENTS

| | | | | |
|----|--------------|---|--------|----------|
| 60 | HSE5-1RCSZY | 5" X 100' RUBBER COVERED LDH HOSE W/ 5" STORZ CPLGS YELLOW IN COLOR | 777.95 | 46677.00 |
| 18 | HSE3-5DJ1G | 3" X 50' 800 PSI DJ HOSE POLYESTER, EPDM W/ 2.5" ALUM NST M X F CPLGS (GREEN) | 289.00 | 5202.00 |
| 10 | HSE175-5DJ1R | 1.75" X 50' 800 PSI DJ HOSE POLYESTER, EPDM W/ 1.5" ALUM NST M X F CPLGS (RED) | 149.25 | 1492.50 |
| 10 | HSE175-5DJ1O | 1 3/4" X 50' 800 PSI DJ HOSE POLYESTER W/ ALUM NST M X F CPLGS. ORANGE IN COLOR | 149.25 | 1492.50 |
| 10 | HSE175-5DJ1B | 1.75" X 50' 800PSI DJ HOSE POLYESTER, EPDM W/ 1.5" ALUM NST M X F CPLGS, BLUE | 149.25 | 1492.50 |

LEAD TIME = ~16-20 WEEKS
THIS ORDER QUALIFIES FOR
FULL FREIGHT ALLOWANCE

Quote subtotal

56356.50

Quote valid for 30 days



222 BEMIS ROAD
Fitchburg, MA 01420

Customer ID: ELLINGTON

Quote

Phone:(978) 345-7570

Fax:(978) 345-7572

Quote #: **31055**

Quote To: **ELLINGTON FIRE DEPT.**
PO BOX 911
Ellington, CT 06029

Ship To: **ELLINGTON FIRE DEPT.**
29 MAIN STREET
Ellington, CT 06029

Phone: (860) 819-2252 Fax:

| Date | Ship Via | | F.O.B. | Terms | | |
|-----------------------|----------|------|--------------|-------------|------------|--------|
| 11/08/22 | BEST WAY | | Destination | Net 30 | | |
| Purchase Order Number | | | Sales Person | | Required | |
| | | | | | 11/08/22 | |
| Quantity | | | Item Number | Description | Unit Price | Amount |
| Required | Shipped | B.O. | | | | |

Quote total

56356.50

Quote valid for 30 days

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL

| | |
|---|---|
| Agency/Department: Ellington Volunteer Fire Department | Project Name: Service Truck Replacement |
| Project Description: To replace a 2007 F550 originally funded by Capitol Region Haz-Mat team. The department is in need of a service vehicle to be used for the transportation of members to and from classes and other general equipment transport, without using a front line response vehicle. | Priority Rank by Agency/Department <div style="display: flex; justify-content: space-around;"> <div><input type="checkbox"/> #1 Committed Project</div> <div><input checked="" type="checkbox"/> #2 Urgent Project</div> <div><input type="checkbox"/> #3 Needed Project</div> <div><input type="checkbox"/> #4 Desirable Project</div> <div><input type="checkbox"/> #5 Acceptable Project</div> </div> |
| Justification: Members currently use thier own personal vehicle as transportation to fire related subjects, putting dirty fire gear in thier own vehicles exposing them to potentially harmful chemicals. | Required/Desired Date of Project Completion: Fall 2023 |
| Benefits: <small>Health and Safety of the departments members being able to transport themselves and department owned equipment as opposed to using thier own vehicle</small> | Type of Project: Fire Apparatus Replacement |

Costs if not implemented: **Current vehicle past its service life. Downtime/repairs**

| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
|---------------------------|-----------------|------------|------------|------------|------------|------------|------------|-------|-------------------|--------------------------|
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | | 80000 | 0 | 0 | 0 | 0 | 0 | 80000 | 0 | Chevrolet website |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 80000 | 0 | 0 | 0 | 0 | 0 | 80000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 80000 | 0 | 0 | 0 | 0 | 0 | 80000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

2022 SILVERADO 2500 HD 4WD Crew Cab, Standard Bed LT**\$67,680** Net Price [±]**VEHICLE DETAILS**
Standard Vehicle Price**\$50,000****Selected Colors****\$0**(G7C) Red Hot
\$0(H0U) Jet Black, Cloth seat trim
\$0**Selected Packages (3)****\$3,970****Z71 OFF-ROAD AND PROTECTION PACKAGE****\$1,695**

Discounted Price: \$1,195

Highlights Include:

(JHD) Hill Descent Control

(NZZ) Skid plates

(CGN) Chevytec spray-on bedliner

(AAK) First and second row all-weather floor liners with Z71 logo



(-SUS) Off-Road suspension

(PYV) 18" 6-spoke machined aluminum wheels with Silver painted accents



(QF6) 18" LT275/70R18E all-terrain, blackwall tires

(ZYG) 18" LT275/70R18 all-terrain, blackwall spare tire

CONVENIENCE PACKAGE**\$2,275****Highlights Include:**

(CJ2) Dual-zone automatic climate control

(A2X) 10-way power driver seat with power lumbar

(KPA) 12-volt auxiliary rear power outlet

(N37) Manual tilt and telescoping steering column

(C49) Rear window defogger

(NP5) Leather-wrapped steering wheel

(N06) Steering column lock control

(BTV) Remote Start

(UTJ) Theft-deterrent unauthorized entry system

(UF2) Cargo bed LED lighting

(T3U) LED fog lamps

(B1J) Rear wheelhouse liners

(USS) USB ports

(AVJ) Keyless Open and Start

Z71 OFF-ROAD PACKAGE**\$0****Highlights Include:**

(JHD) Hill Descent Control

(NZZ) Skid plates

(-SUS) Off-Road suspension

Selected Options (16)**\$12,915**(BHP) Winter Grille Cover
\$0(C7A) Lowered GVWR, 10,000 lbs.
\$0

| | | | |
|-------|--|-------|---|
| (DWI) | Black outside power-adjustable vertical trailing mirrors with power folding/manual extending auto-dimming driver upper glass \$530 | (GU6) | 3.42 rear axle ratio \$0 |
| (K05) | Engine block heater \$0 | (K40) | Diesel exhaust brake \$0 |
| (KW5) | 220-amp alternator \$0 | (L5P) | 6.6L Duramax Turbo-Diesel V8 engine \$9,890 |
| (MGM) | Allison® 10-speed automatic transmission Standard | (RVS) | 4" Black round assist steps \$795 |
| (U01) | Smoked Amber LED roof marker lamps \$55 | (VOZ) | Hard-folding tonneau cover \$1,100 |
| (A50) | Front bucket seats \$545 | (D07) | Front center console \$0 |
| (DD8) | Inside rearview auto-dimming mirror \$0 | (IOR) | Chevrolet Infotainment 3 System with color touchscreen Standard |

**Total Vehicle and Options**

Destination Freight Charge

\$66,885

\$1,795

Total Before Package Savings

Package Discount

\$68,680

-\$500

Total Vehicle Price

Total Cash Allowance[s]

\$68,180

-\$500

Net Price

Total Included Price Discounts and Cash Allowances:

\$67,680[±]

-\$1,000

Selected Accessories[±] (1)**+ \$357**

- (-XACL52) Accent Lighting (60" Blade Tailgate Light Bar)
\$356

**Standard Features**

Package Mechanical Interior Exterior Safety

Package

- Trailering Package
 - Trailer Hitch¹
 - Trailering hitch platform
 - Includes a 2.5" receiver hitch (with 2" insert), 4-pin and 7-pin connectors
 - 7-wire electrical harness and 7-pin sealed connector for connecting your trailer's lights and brakes to your vehicle
 - May require additional optional equipment
- ¹ Before you buy a vehicle or use it for trailering, carefully review the trailering section of the owner's manual. The weight of passengers, cargo and options or accessories may reduce the amount you can tow.

Mechanical

- Durabed
 - Roll-formed high-strength steel
 - 12 standard cargo tie-downs
 - CornerStep Rear Bumper
- 6.6L V8 Gas engine
 - 401 hp [299 kW] @ 5200 rpm
 - 464 lb-ft of torque [629 N-m] @ 4000 rpm
 - 3.73 rear axle ratio
 - Paired with a 6-speed automatic transmission
 - Capless fuel fill
- 6-speed, heavy-duty, electronically controlled automatic transmission
 - Overdrive gear for smooth, efficient operation
 - Auto Grade Braking that automatically downshifts when needed to enable engine braking, helping to slow the vehicle on downhill grades and reduce brake wear (operates in Tow/Haul mode)
- 3.73 rear axle ratio
 - Requires a gas engine
- 10,450 lbs. GVWR
 - When properly equipped; includes weight of vehicle, passengers, cargo and equipment
- Heavy-Duty Air Filter
 - Thick construction helps to trap more dirt before it can enter the air intake
- Air filtration monitoring
 - Alerts the driver when the engine air filter needs replacement
- Electronic shift 2-speed transfer case with push button controls
 - System shift smoothly between drive settings to handle a variety of road conditions
 - 2WD High for most on-road and highway situations
 - 4WD High for snowy or wet roads when added traction is needed
 - 4WD Low for deep sand, mud or snow to provide maximum torque to all 4 wheels
 - Neutral
 - ONLY used for towing vehicle (Dinghy tow capability)- allows vehicle to roll freely
 - May require additional optional equipment
- Automatic locking rear differential
 - When the differential senses a significant difference in wheel speed, it locks to turn both rear wheels in unison for added traction
 - The Eaton® Locker senses a difference in wheel speed of approximately 100 rpm
- Four wheel drive
- External engine oil cooler
 - Heavy-duty air-to-oil cooler
 - Helps extend engine oil life under heavy loads
- External auxiliary transmission oil cooler
 - Heavy-duty air-to-oil cooler
 - Helps provides optimal transmission performance even when operating under a heavy load or towing a trailer
- Heavy-duty 720 cold-cranking amps battery
 - 80 Amp-hr
 - Maintenance-free with rundown protection and retained accessory power
- 170-amp alternator
- Integrated trailer brake controller

- Integrated with the antilock brake system (ABS)
 - Helps provide measured brake force signaling to electric-controlled trailer brake systems
 - Trailer gain and output are displayed in the Driver Information Center
 - Fully boxed frame
 - Hydroformed front section
 - High-strength steel
 - Black recovery hooks
 - Two front frame-mounted¹
- ¹ To avoid the risk of injury, never use recovery hooks to tow a vehicle.
- Suspension Package
 - Designed to help maintain handling and ride quality while towing a trailer or carrying a load
 - Steering
 - Recirculating Ball with smart flow power steering system
 - 4-wheel antilock disc brakes
 - Help reduce wheel lockup and maintain steering control during hard braking on most slippery surfaces
 - DuraLife™ brake rotors feature a hardened surface to reduce corrosion and provide quieter braking with less vibration. DuraLife™ rotors are hardened and strengthened during the manufacturing process
 - Brake system features a corrosion-fighting process called Ferritic Nitro-Carburizing (FNC) which can double rotor life expectancy and reduce or minimize rust over non-FNC coated rotors
 - Brake pad wear indicator
 - Capless fuel fill
 - Creates a tight seal around the fuel-pump nozzle when the nozzle is fully inserted
 - Requires gasoline engine

Interior

- Chevrolet Infotainment 3 System with color touchscreen
 - AM/FM stereo
 - 7" diagonal color touchscreen¹ on Work Truck and Custom
 - 8" diagonal color touchscreen¹ on LT
 - Bluetooth®² audio streaming for 2 active devices for compatible phones
 - Apple CarPlay™ capability for compatible phones³
 - Android Auto™ capability for compatible phone⁴
- ¹ Functionality varies by model. Full functionality requires compatible Bluetooth® and smartphone, and USB connectivity for some devices.
- ² Go to [chevrolet.com/device-compatibility](https://www.chevrolet.com/support/vehicle/smartphone-connections/bluetooth-wifi/device-compatibility) (<https://www.chevrolet.com/support/vehicle/smartphone-connections/bluetooth-wifi/device-compatibility>) to find out which phones are compatible with the vehicle.
- ³ Vehicle user interface is a product of Apple and its terms and privacy statements apply. Requires compatible iPhone and data plan rates apply. Apple CarPlay is a trademark of Apple Inc. Siri, iPhone and Apple Music are trademarks for Apple Inc, registered in the U.S. and other countries.
- ⁴ Android Auto vehicle user interface is a product of Google and its terms and privacy statements apply. Requires the Android Auto app on Google Play and a compatible Android smartphone. Data plan rates apply. You can check which smartphones are compatible at [g.co/androidauto/requirements](https://support.google.com/androidauto/answer/6348019?hl=en&ref_topic=6106969) (https://support.google.com/androidauto/answer/6348019?hl=en&ref_topic=6106969). Android, Google Play and Android Auto are trademarks of Google LLC.
- SiriusXM® 3-month Platinum Trial Subscription
 - The ultimate entertainment experience¹
 - Expertly curated ad-free music and exclusive artist created music channels
 - Premium sports coverage with live play-by-plays from every major sport, and sports talk including official league and college conference channels
 - You also get Howard Stern, exclusive comedy, talk and news
 - Discover even more when you stream on the SXM App, with Xtra music channels for any mood or activity, podcasts including SiriusXM originals, personalized Pandora stations and SiriusXM video
 - May require additional optional equipment
- ¹ If you decide to continue service after your trial, the subscription plan you choose will automatically renew thereafter and you will be charged according to your chosen payment method at then-current rates. Fees and taxes apply. See the SiriusXM Customer Agreement at www.siriusxm.com (<http://www.siriusxm.com>) for complete terms and how to cancel. All fees, content, features, and availability are subject to change. ©2022 Sirius XM Radio Inc. SiriusXM, Automatic, Pandora and all related logos are trademarks of SiriusXM Radio Inc. and its respective subsidiaries.
- 6-speaker audio system
 - Speakers are positioned throughout the cabin for outstanding sound quality and an enjoyable listening experience
 - Steering-wheel mounted controls

- Allow the driver to easily operate the audio system and phone interface controls
- May require additional optional equipment
- Bluetooth®
 - Pair your compatible mobile phone to your vehicle's infotainment system¹
 - Place and receive hands-free phone calls
 - Store your phone's contact list in the system to place an outgoing call quickly using the touch-screen display or voice command system
 - With streaming audio capability, you can listen to files stored on your phone or Bluetooth digital media device
- ¹ Go to [chevrolet.com/device-compatibility](https://www.chevrolet.com/device-compatibility) (<https://www.chevrolet.com/support/vehicle/smartphone-connections/bluetooth-wifi/device-compatibility>) to find out which phones are compatible with the vehicle. Full Bluetooth feature functionality varies by device, model, and software version.
- Wi-Fi® hotspot capable
 - Terms and limitations apply. See onstar.com (<http://onstar.com>) or dealer for details.
 - May require additional optional equipment
- 40/20/40 split-bench front seat with covered armrest storage
 - Seating for up to 3
 - Center fold-down armrest with storage
- Black mirror caps
- 4-way manual driver seat
 - Can be positioned forward or back and up or down
- 4-way manual front passenger seat
 - Can be positioned forward or back and up or down
- 60/40 split-folding rear bench seat
 - Includes child seat top tether anchor
 - Can fold one or both sides up
- Carpeted floor covering
 - Color-keyed to match the interior
- Front rubberized-vinyl floor mats
 - Helps protect your interior from road debris and the elements
 - May require additional optional equipment
- Rear rubberized-vinyl floor mats
 - Helps protect your interior from road debris and the elements
 - May require additional optional equipment
- Steering wheel
- Manual tilt steering column
 - Allows the steering wheel to be manually adjusted up or down
 - Provides extra comfort when entering or exiting the vehicle
 - Locking security feature
- Instrumentation
 - 6-gauge cluster
 - Speedometer, fuel level, engine temperature, tachometer, voltage and oil pressure
- 4.2" diagonal color Driver Information Center
 - Includes driver personalization, warning messages and vehicle information
 - May require additional optional equipment
- Outside temperature display
 - Located in infotainment display
- Compass
 - Located in instrument cluster
 - May require additional optional equipment
- Rear Seat Reminder
 - Helps to remind the driver to check the back seat(s) before leaving the vehicle¹
 - Activates when rear doors are opened and closed up to 10 minutes before or anytime while your vehicle is on
 - Under certain conditions, once the vehicle is switched off, designed to sound 5 audible chimes and display a visual message within the Driver Information Center
 - Activates only once each time the vehicle is turned on and off, and would require re-activation on a second trip
- ¹ Does not detect people or items. Always check rear seat before exiting.
- Power windows with driver express-up/down
 - Quickly raises the window or lowers it with the touch of a button
 - If an obstruction is detected, the anti-pinch feature will auto-reverse

- Power windows with front passenger express-down
 - Quickly lowers the window with the touch of a button
 - If an obstruction is detected, the anti-pinch feature will auto-reverse
- Power windows with rear express-down
- Power door locks
 - Programmable
 - Allows you to lock and unlock doors easily whether it's from the driver or front passenger seat or from outside using the key fob (when equipped)
- Remote Keyless Entry
 - Allows you to lock and unlock doors of the vehicle with the key fob
 - Driver's door or all doors unlock at the touch of a button
 - Includes remote locking tailgate
 - May require additional optional equipment
- Cruise control
 - Maintains a selected speed while driving
 - Automatically disengages when the vehicle's traction control system needs to limit wheelspin on slippery surfaces or when the StabiliTrak® stability control system detects an oncoming skid
 - Set and resume speed functions
 - Steering-wheel mounted controls to easily maintain and manage cruising speed
- USB ports
 - 2 located on instrument panel¹

¹ Not compatible with all devices.
- 12-volt auxiliary front power outlet
 - May require additional optional equipment
- Single-zone climate control
 - Maintains a selected temperature
 - Manual
- Rear air vents
 - Provides cabin comfort for rear occupants
- Inside rearview manual day/night mirror
 - Adjust the tilt of the mirror to help reduce glare during nighttime driving
- Assist handles
 - Front A-pillar mounted for Driver and Passenger
 - Rear B-pillar mounted
- Chevrolet Connected Access capable
 - Subject to terms. See onstar.com (<http://onstar.com>) or dealer for details.
 - May require additional optional equipment

Exterior

- 17" machined aluminum wheels
- 17" LT245/75R17E all-season, blackwall tires
- 17" LT245/75R17E all-season, blackwall spare tire
 - May require additional optional equipment
- Spare tire carrier lock
 - Helps keep spare tire secure
 - Utilizes the same key as the door and ignition
- Chrome front bumper
 - May require additional optional equipment
- Chrome rear bumper
 - With integrated CornerSteps
 - May require additional optional equipment
- CornerStep rear bumper
 - Helps make it easier to get into and out of the pickup bed
 - Located at each end of the rear bumper
 - Textured step pads to help provide secure footing
- Side BedStep
 - Black textured step pads help provide secure footing
 - Integrated on forward portion of outer bed on driver and passenger side to provide ease of access to forward portion of the bed

- Black beltline moldings
- Cargo tie-downs
 - 12-fixed rated at 500 lbs. per corner
- Grille (Chrome front grille bar with "CHEVROLET". Includes molded in color Black grille inserts with small Gold bowtie emblem.)
- Halogen reflector headlamps
 - Includes automatic exterior lamp control
- Incandescent taillamps with stop and reverse lights
- Cab-mounted cargo area lamps
 - With switch in switch bank left of the steering wheel
 - Illuminates the cargo bed area
- Black outside power-adjustable vertical trailing mirrors
 - Lower convex mirrors
 - Heated upper glass
 - Integrated turn signal indicators
 - Manual folding/extending
 - Extends 3.31-inches
 - May require additional optional equipment
- Mirror caps, Black
- Deep-tinted glass
 - Provides added protection from sun and glare
- Standard tailgate
- Tailgate and bed rail protection caps
- Tailgate with EZ Lift assist, power lock & release
 - Hitch area lighting
 - May require additional optional equipment
- Body-color door handles

Safety

- StabiliTrak, electronic stability control system with traction control
 - Automatically helps enhance control, particularly during emergency maneuvers, by adjusting the brakes and engine torque to help you stay on your intended path
 - Activates when vehicle sensors detect a difference between the driver's intended path and the direction the vehicle is actually travelling
 - Includes Traction Control that detects wheel slippage and applies brake pressure and/or reduces engine power to help the driver maintain control when accelerating on wet or snow-covered roads
 - Includes Brake Assist which detects rapid brake pedal applications due to emergency braking situations and provides additional braking via the Antilock Brake System (ABS) module
 - Includes Trailer Sway Control
 - Hill Start Assist
 - Daytime Running Lamps
 - Includes automatic exterior lamp control
 - 6 airbags
 - Dual-stage frontal airbags for driver and front outboard passenger¹
 - Seat-mounted side-impact airbags for driver and front outboard passenger¹
 - Head-curtain airbags for outboard seating positions¹
 - Includes front outboard Passenger Sensing System for frontal outboard passenger airbag and illuminates a status light that indicates whether the airbag is on or off¹
- ¹ Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.
- OnStar® & Chevrolet Connected Services capable
 - Terms and limitations apply. See onstar.com (<http://onstar.com>) or dealer for details.
 - May require additional optional equipment
 - Rear Vision Camera
 - Shows you an image of the area directly behind your vehicle when you're in Reverse at low speeds¹
 - Dynamic guidelines laid over the display image assist in parking maneuvers by showing the vehicle's path
 - This may help you park and avoid nearby objects
 - Tailgate must be in the raised position for the Rear Vision Camera to operate properly

¹ Safety or driver assistance features are no substitute for the driver's responsibility to operate the vehicle in a safe manner. The driver should remain attentive to traffic, surroundings and road conditions at all times. Visibility, weather, and road conditions may affect feature performance. Read the vehicle's owner's manual for more important feature limitations and information.

- Hitch Guidance
 - Displays a guideline on the Rear Vision Camera view when you're in Reverse to help line up your hitch to your trailer¹
 - When driving, Hitch Guidance allows you to briefly check your trailer using the Rear Vision Camera view
- ¹ Safety or driver assistance features are no substitute for the driver's responsibility to operate the vehicle in a safe manner. The driver should remain attentive to traffic, surroundings and road conditions at all times. Visibility, weather, and road conditions may affect feature performance. Read the vehicle's owner's manual for more important feature limitations and information.
- Teen Driver
 - This configurable feature lets you activate customizable vehicle settings associated with a key fob to help encourage better driving behavior
 - It can limit certain vehicle features, and automatically turns on certain safety systems if vehicle is equipped
 - An in-vehicle report card gives you information on driving habits and helps you to continue to coach your new driver
- Tire Pressure Monitoring System
 - Monitors the pressure in each tire and alerts you if there is a low-pressure condition in one or more of the tires¹
 - Includes Tire Fill Alert¹
- ¹ Does not monitor spare tire.

- **MSRP less incentives. Tax, title, license and dealer fees extra. Residency restrictions apply. Not available with some other offers. Must take new retail delivery by 11/30/2022. See dealer for details.**
- **MSRP excluding installation, taxes and wheel components (if applicable). Dealer prices may vary. Some accessories may require purchase of additional equipment and/or services. See dealer for details.**
- **MSRP excludes tax, title, license, dealer fees and optional equipment. See dealer for details.**



Ellington Volunteer Ambulance Corps, Inc

41 Maple Street

Ellington, CT 06029

MAIN: 860.870.3170

FAX: 860.870.3173

www.ellingtonambulance.org

information@ellingtonambulance.org

To: Lori Spielman, Tiffany Pignataro, Felicia LaPlante

From: Peter Hany Sr

Topic: Capital Improvements

Date: November 11, 2022

This memo is a brief explanation about EVAC'S request for a Capital Improvement project for fiscal year 2023-2024. As you are all well aware the auto industry is in turmoil with the shortage of chips and other assembly parts. The ambulance manufacturers are not exempt from this. At the recent EMS PRO show I asked several ambulance dealers about the availability of chassis for new ambulances. I was told depending on the brand and style of chassis the wait can be as long as two years. I mentioned this to Lori and she said that we should preorder one chassis now. This would allow time for a chassis to be built and have the unit here when we replace one existing ambulance. I called two dealerships and one verbal response was that one and a half to two years seems to be the waiting period. Another dealer followed up with a written response which is attached.

You will notice they quoted a new chassis at about \$70,000. I have requested in my Capital Improvement request \$80,000 which allows for another price increase since the budget will only take effect in July of 2023. The intent would be to order the chassis under the Town's name and to have it ready for a dealer to build an ambulance on. As you can see in the correspondence that a dealer will not order a chassis without a signed contract for a complete ambulance. Please let me know if you have any questions or comments.

Regards,

Pete Hany Sr/EVAC Chief

Chassis pricing and specs

1 message

dbunnell@nefea.com <dbunnell@nefea.com>
To: peter.hany@ellingtonambulance.org

Wed, Nov 9, 2022 at 10:02 AM

Peter,

Thanks you for the call Monday night. I have attached a Ford F-550 4x4 2023 model year spec. The 2023 price is \$69,674.00. The 2022 model year is closed out, and Ford will be opening the order banks for 2023 models on the 14th. I have included the outlook from the factory on the 2023 models. As you can see from the below, the above quoted chassis pricing is an estimate. As we discussed, Dodge is available but I recommend against it due to issues we've had obtaining chassis from them.

The **2023 F-Super Duty** order bank for State and Local Government opens on Nov 14. We have prepared our initial submission based on the orders submitted thus far and a projection forecast for additional units. Ford is again requiring a Govt end user with active FIN for acceptance. No firm pricing has been offered at this time. It is not known how long the order banks will remain open. Once the orders start flooding in, I don't forecast too long. They will close once orders exceed capacity.

The **2023 Super Duty Chassis** will be subject to many changes, so my outlook for a smooth launch is not a positive one. My wishful forecast is we won't see product until June 2023 at the earliest.

Major changes to make note of:

- New front bumper, grille, hood.
- Amb Prep/Dual Alternators will increase from 397 to 410 amps
- SYNC 4 will be std system and the 8.4" screen in the dash will be included.
- OEM NAV is no longer available
- Rear view camera kit is still available.
- Power adjustable pedals are no longer available as a standalone option.
- Lane Departure and Pre-Collision Avoidance features are now standard, not stand alone options.
- 17V Upgrade package now includes; Power Driver seat (8 way), auto lock/unlock, keyless entry key pad, power adjustable pedals, halogen fog lamps, rear window defroster, remote start. Pricing has not been released. My forecast it will be a big jump from the current model year – option package content has increased, as well as price increase of the components.

No firm pricing has been offered at this time.

Please note that PL Custom will **NOT** order a chassis without a firm order commitment for a new ambulance. The town would not be required to pay for anything until delivery, unless they chose to pay for the chassis on delivery to PL.

Please advise once you have decided what direction you choose to go. I will be more than happy to come up and meet with you to get you a full proposal any time you are ready.

Thank You!

Dave Bunnell

Apparatus & Equipment Representative

Connecticut/Western Massachusetts/Vermont

State of CT DMV New Dealer License N2564

New England Fire Equipment & Apparatus Corporation

www.nefea.com

dbunnell@nefea.com

(203)233-1247



Ellington Ambulance Chassis Quote.docx

16K

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---|----------------------|-----------------------------|
| Agency/Department: Ellington Volunteer Ambulance Corps | | | | | | | | Project Name: Chassis Replacement | | |
| Project Description: Purchase a new chassis to be used to replace an existing ambulance | | | | | | | | Priority Rank by Agency/Department <input type="checkbox"/> #1 Committed Project <input type="checkbox"/> #2 Urgent Project <input checked="" type="checkbox"/> #3 Needed Project <input type="checkbox"/> #4 Desirable Project <input type="checkbox"/> #5 Acceptable Project | | |
| Justification: Due to manufacturer shortages the ordering of the new chassis will allow it to arrive in a timely manner for the schedule ambulance replacement (2025) | | | | | | | | Required/Desired Date of Project Completion: 2023-24 FY | | |
| Benefits: Early ordering will keep price increases to a minimum and have a chassis ready for a new ambulance | | | | | | | | Type of Project: equipment replacement | | |
| Costs if not implemented: If ordered on usual schedule will result in delay in obtaining an ambulance. Existing vehicles will be used for longer than expected, resulting in increased maintenance costs. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Equipment Purchases | 8 | 80000 | 0 | 0 | 0 | 0 | 0 | 80000 | 0 | Ambulance Dealership |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 80000 | 0 | 0 | 0 | 0 | 0 | 80000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 80000 | 0 | 0 | 0 | 0 | 0 | 80000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|--|--|---|--|
| Agency/Department: Crystal Lake Fire Department | | | | | | | Project Name: Replacement SCBA fill station | | | |
| Project Description: Replacement of aging fill station that pairs with compressor. We received a new compressor after a failure 3 years ago out of emergency funding however we never updated or replaced the fill station as the cost was significant. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input checked="" type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: CLFD would like to update our current SCBA fill station with a new 3 bottle fill station. We have replaced all the other compressor and cascade components and this would complete the project. Currently the older fill station is not user friendly as we went to new cylinders with quick connect in order to close the fill station door you must cross the hoses from side to side as the connections are large and the current fill station was very small and not designed for it. Currently needs new pressure gauges and other repairs as well. | | | | | | | Required/Desired Date of Project Completion: November 2023 | | | |
| Benefits: <small>Increased safety, simplify design so more members can be trained to utilize the system, we currently limit personel that can use fill station.</small> | | | | | | | Type of Project: Updating obsolete equipment | | | |
| Costs if not implemented: Approximately \$4,000 dollars in parts and labor will be needed to fix current fill station currently holding off to see if this project is funded. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 25000 | 0 | 0 | 0 | 0 | 0 | 25000 | 0 | MES Fire Equipment |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 25000 | 0 | 0 | 0 | 0 | 0 | 25000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 25000 | 0 | 0 | 0 | 0 | 0 | 25000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other



172 Cross Rd
Waterford, CT 06385
860-442-0678

Quote

Quote # QT1632416
Date 10/27/2022
Expires 11/11/2022
Sales Rep Chapman, Brian
Shipping Method MES Delivery
Customer Crystal Lake Fire Department (CT)
Customer # C253918

Bill To

Crystal Lake Fire Department (CT)
316 Sandy Beach Road
Ellington CT 06029
United States

Ship To

Crystal Lake Fire Department (CT)
316 Sandy Beach Road
Ellington CT 06029
United States

| Item | Alt. Item # | Units | Description | QTY | Unit Price | Amount |
|-----------------------|-------------|-------|--|-----|-------------|-------------|
| CFS5.5/3S PACKAGES | | | Bauer 3pos direct fill station top mt panel w/cascade control | 1 | \$19,585.00 | \$19,585.00 |
| Compressor Install | | | Site survey, install, operate, leak test, train & perform air sample with written report. Installation of Bauer CFS5.5/3S Fill Station Package. | 1 | \$2,500.00 | \$2,500.00 |

PLEASE NOTE: THIS IS A BUDGETARY PRICE QUOTATION BASED UPON CURRENT PRICING, PRICES ARE SUBJECT TO CHANGE AT TIME OF ORDER.
SIGHT SURVEY REQUIRED IN ADVANCE TO DETERMINE IF ADDITIONAL PARTS OR LABOR ARE REQUIRED TO COMPLETE THE TASK.

Subtotal \$22,085.00
Shipping Cost \$1,000.00
Tax Total \$0.00
Total \$23,085.00

This Quotation is subject to any applicable sales tax and shipping & handling charges that may apply. Tax and shipping charges are considered estimated and will be recalculated at the time of shipment to ensure they take into account the most current information.

All returns must be processed within 30 days of receipt and require a return authorization number and are subject to a restocking fee.

Custom orders are not returnable. Effective tax rate will be applicable at the time of invoice.



QT1632416

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---|---|--|--|
| Agency/Department: Crystal Lake Fire Department | | | | | | | Project Name: Replacement Hydraulic Rescue Tools | | | |
| Project Description: CLFD would like to update our current compliment of hydraulic rescue tools and stabilization struts which are a low pressure hose and pump system attached to the apparatus with modern battery operated E-draulic rescue tools for both Squad 142 and ET242. Current tools are 15-20 years old (depending on tool) and no longer repairable and stabilization struts are 15 years old currently. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The current tools being used are 15-20 years old now and we were advised that this is the last year the tools will be supported by Hurst and Firematic meaning if the tool breaks they are unable to fix it. We saved \$25,000 by not putting generator on new apparatus on order however we will either need this project or a separate portable generator to continue to run a cutter/spreader on that appartatus. Our stabilization struts are also 15 years old now and are 1st generation, the newer models are significantly safer with more lift capability as well as being more user friendly. Current system requires numerous parts and pins to be assembled correctly and put into place and only capable of 5,000 pound lift for 12 inches. | | | | | | | Required/Desired Date of Project Completion: October 2023 | | | |
| Benefits: Same tools used by Ellington Fire giving compatibility across departments, increased safety and versatility, repairable and serviceable. | | | | | | | Type of Project: Updating obsolete equipment | | | |
| Costs if not implemented: Purchase of a portable generator as to maintain ability to run hydrauc tool on the new apparatus, Emergency funding next time a tool fails in testing or use. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 125000 | 0 | 0 | 0 | 0 | 0 | 125000 | 0 | FireMatic |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 125000 | 0 | 0 | 0 | 0 | 0 | 125000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 125000 | 0 | 0 | 0 | 0 | 0 | 125000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

FIREMATIC SUPPLY CO., INC.

651 Brook Street Rocky Hill, CT 06067-3401
Phone: 860-571-7372 FAX: (860) 571-7377
KHannigan@firematic.com
WebSite: www.firematic.com

Quote



| | |
|------------|------|
| DATE | PAGE |
| 10/14/2022 | 1 |

| |
|--------------|
| QUOTE NUMBER |
| QT95174 |

| |
|-------------|
| EXPIRE DATE |
| 12/30/2022 |

| | |
|-----------|--|
| Quoted To | TIM SEITZ CRYSTAL LAKE F D 316 SANDY BEACH RD ELLINGTON, CT 06029 |
|-----------|--|

| | |
|---------|--|
| Ship To | CRYSTAL LAKE FD 316 SANDY BEACH ROAD ELLINGTON, CT 06029 |
|---------|--|

| | | | | |
|---------------------|--------------|----------------------------|-------------------------------|------------------|
| CUSTOMER NO. 651 | CONTRACT NO. | PHONE NO. (860)871-8847 | SALESPERSON KEVIN HANNIGAN | CUSTOMER PO. NO. |
|---------------------|--------------|----------------------------|-------------------------------|------------------|

| LINE NO. | ITEM NUMBER | DESCRIPTION | QTY ORDERED | UNIT PRICE | EXTENDED PRICE |
|----------|---------------|---|-------------|------------|----------------|
| 1 | | HURST EDRAULIC E3 | | | |
| 2 | HUR2728990009 | HURST S799 E3 CUTTER PACKAGE, (2) 9Ah BATTs, 110V CHARGER | 1 | 17,287.83 | 17,287.83 |
| 3 | HUR2718770009 | HURST SP777 E3 SPREADER PACKAGE, (2) 9Ah BATTs, 110V CHARGER | 1 | 18,228.17 | 18,228.17 |
| 4 | HUR2748860009 | R522 E3 RAM, 9Ah PACKAGE, 2 BATTERIES, CHARGER | 1 | 12,748.67 | 12,748.67 |
| 5 | HUR2738490009 | SC 758 E3 COMBI 9Ah PACKAGE (2) 9AH BATTs & (1) 110V CHARGER | 2 | 18,130.67 | 36,261.34 |
| 6 | HUR272085412 | EDRAULIC2 110V E2 POWER SUPPLY W/PLUG | 2 | 986.00 | 1,972.00 |
| 7 | HUR816720 | KSV11 CHAIN SET | 1 | 1,130.77 | 1,130.77 |
| 8 | FREIGHT IN | FREIGHT FROM MANUFACTURER | 1 | 0.00 | 0.00 |
| 9 | | STABILIZATION | | | |
| 10 | TJRTL9D | TL-9 STABILIZATION PLATE, MODEL D FOR 1 5/8" TIPS | 2 | 940.00 | 1,880.00 |
| 11 | PHTAC200 | AC-14 AUTO CRIB-IT, PAIR | 2 | 1,513.85 | 3,027.70 |
| 12 | CEPSPX4PTX | SUPER X DELUXE 4-POINT STRUT KIT (choose strut sizes) LONG STRUTS | 1 | 18,106.07 | 18,106.07 |

FIREMATIC SUPPLY CO., INC.

651 Brook Street Rocky Hill, CT 06067-3401
Phone: 860-571-7372 FAX: (860) 571-7377
KHannigan@firematic.com
WebSite: www.firematic.com

Quote



| | |
|---------------------------|-----------|
| DATE 10/14/2022 | PAGE 2 |
| QUOTE NUMBER QT95174 | |
| EXPIRE DATE 12/30/2022 | |

Quoted To
TIM SEITZ
CRYSTAL LAKE F D
316 SANDY BEACH RD
ELLINGTON, CT 06029

Ship To
CRYSTAL LAKE FD
316 SANDY BEACH ROAD
ELLINGTON, CT 06029

| | | | | |
|---------------------|--------------|----------------------------|-------------------------------|------------------|
| CUSTOMER NO. 651 | CONTRACT NO. | PHONE NO. (860)871-8847 | SALESPERSON KEVIN HANNIGAN | CUSTOMER PO. NO. |
|---------------------|--------------|----------------------------|-------------------------------|------------------|

| LINE NO. | ITEM NUMBER | DESCRIPTION | QTY ORDERED | UNIT PRICE | EXTENDED PRICE |
|----------|-----------------|--|-------------|------------|----------------|
| 13 | NOR61137 | STRONGWAY 4-TON HEAVY DUTY COME-ALONG https://www.northerntool.com/shop/tools/product_200712272_200712272?isSearch=61137 | 1 | 85.70 | 85.70 |
| 14 | FREIGHT IN | FREIGHT FROM MANUFACTURER | 1 | 600.00 | 600.00 |
| 15 | | POLYTECH TILT-MOUNT | | | |
| 16 | PTAHURS799E3TM | S799 CUTTER TILT MOUNT BRACKET | 1 | 1,130.88 | 1,130.88 |
| 17 | PTAHURSP777E3TM | HURST SP777 E3 TILT & DEPLOY BRACKET | 1 | 1,130.88 | 1,130.88 |
| 18 | PTAHURR522E3TM | TILT MOUNT HURST E DRAULIC R522 E3 | 2 | 1,130.88 | 2,261.76 |
| 19 | FREIGHT IN | FREIGHT FROM MANUFACTURER | 1 | 60.00 | 60.00 |

Comments

Amount
By:

115,911.77
KEVIN HANNIGAN

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|---|--|
| Agency/Department: Ellington Board of Education | | | | | | | Project Name: Vehicle Replacement | | | |
| Project Description: Standard line-item for ongoing vehicle replacement. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The Board of Education has a fleet of maintenance vehicles and student transportation vehicles that require periodic replacement. An estimated schedule is provided within the CIP detail. | | | | | | | Required/Desired Date of Project Completion: | | | |
| Benefits: Student transportation vehicles are used to offset high costs of outsourced services. | | | | | | | Type of Project: | | | |
| Costs if not implemented: | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 30000 | 25000 | 25000 | 25000 | 25000 | 25000 | 155000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 30000 | 25000 | 25000 | 25000 | 25000 | 25000 | 155000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 30000 | 25000 | 25000 | 25000 | 25000 | 25000 | 155000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

| PROPOSED PROJECT DETAIL | | | | | | | | | | |
|--|--------------------|---------------|---------------|---------------|---------------|---------------|--|---|--|--|
| Agency/Department: Public Works Department | | | | | | | Project Name: Pickup truck replacement | | | |
| Project Description: Replacing unit #76, a 2012 Chevrolet Tahoe police cruiser with 83,000 miles. | | | | | | | Priority Rank by Agency/Department | | | |
| | | | | | | | <input type="checkbox"/> #1 Committed Project | <input type="checkbox"/> #2 Urgent Project | <input checked="" type="checkbox"/> #3 Needed Project | <input type="checkbox"/> #4 Desirable Project |
| Justification: The current cruiser is 10 years old and performs daily functions. The department has increased it's staffing due to traffic control demand which requires vehicles that will be reliable and safe for extended hours of service. The existing unit with 83,000 miles will be rotated into the DPW pool as a fleet vehicle, replacing car #68. | | | | | | | Required/Desired Date of Project Completion: N/A | | | |
| Benefits: Maintain a high level of service to the community during all hours and weather events. | | | | | | | Type of Project: Vehicle Replacement | | | |
| Costs if not implemented: Extended down time & costs due to aging vehicle. | | | | | | | | | | |
| ESTIMATED PROJECT COSTS | FUNDING SOURCE* | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | TOTAL | DEFERRED PROJECTS | SOURCE OF COST ESTIMATES |
| Planning & Engineering | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site & ROW Acquisition | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Construction | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Equipment Purchases | 1 | 50000 | 0 | 50000 | 0 | 0 | 0 | 100000 | 0 | |
| Other (Identify) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL | | 50000 | 0 | 50000 | 0 | 0 | 0 | 100000 | 0 | |
| New Personnel | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Annual Maintenance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grant Reimbursement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL COST TO TOWN | | 50000 | 0 | 50000 | 0 | 0 | 0 | 100000 | 0 | |

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

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