



**COMMITTEE OF THE WHOLE
Town Hall – Council Chambers
Monday, October 2, 2017
7:00 pm**

AGENDA

1. Call to Order
2. Approval of the Agenda
3. Presentation
 - 3.1. Youth Ambassadors
4. Approval of the Minutes
5. Action Items
 - 5.1 RFD 012-2017: Riverside Park Name Change
 - 5.2 Appointment – Middleton Fire Department
 - 5.3 RFD 013-2017: Commercial Street Light Replacement
6. Information/Discussion Items
 - 6.1. Accounting Activities Report – September 2017
 - 6.2. Annual Appointment List
 - 6.3. Improper Functioning of Streetlight at Commercial & Main
 - 6.4. Unsightly Premises
 - 6.5. New Fire Hall
7. Anything by Members
8. Adjournment



REQUEST FOR DECISION
Riverside Park Change
 # 012-2017

Date: September 26, 2017	Subject: Riverside Park Change
Proposal Attached: No.	Submitted by: Jennifer Coolen, Director of Recreation and Community Services

Proposal:	The Rotary Club is requesting that the name of Riverside Park be changed to Rotary Riverside Park.
Background:	Riverside Park is located at 80 Bridge Street. It has walking trails and the recent addition of our floating dock and canoe and kayak rental access point. The park was created thanks to the efforts of the Rotary Club. For many years it was maintained by the Friends of the Riverside Park Society. Now it is mostly maintained by the Town's Parks Department, with some recent development input from the Rotary Club and some plant work from the Clean Annapolis River Project. The current name of the park is Riverside Park.
Benefits:	<ul style="list-style-type: none"> • The Rotary Club gets recognition for their contributions to the park • There is continuity with the name of Rotary Park • The Rotary Club may be more willing to assist with other community assets with proper recognition • The sign at the park now needs to be replaced so the timing works for that
Disadvantages:	<ul style="list-style-type: none"> • This will leave a disconnect with the name of Centennial Park • All literature and the physical sign will need to be changed • This could create some confusion for people from outside of town when coming to "Rotary Park" as currently Rotary Raceway Park is often shortened to Rotary Park
Options:	<ul style="list-style-type: none"> • Leave the park name as Riverside Park • Change the name to Rotary Riverside Park • Come up with another name for the park

Required Resources:	<ul style="list-style-type: none"> • Staff time to change all current literature • A new sign at the park
Source of Funding:	<ul style="list-style-type: none"> • Operating budget
Sustainability Implications: (Environmental, Social, Economic and Cultural)	Once the change has occurred and the literature and park sign has been changed, it should be fairly easy to sustain the change. The Town changed the name of the Canada 125 Park to Centennial Park and there were a few residents who did not want the change because of the history of the park; however with any change comes the prospect of negative public feedback. It would not continue to cost us money and would give more prominent presence to the Rotary Club.
Staff Comments/ Recommendations:	My main concern would be that people would be confused between Rotary Raceway Park and Rotary Riverside Park.
CAO's Review/ Comments:	

CAO Initials: RLT

Target Decision Date: October 16, 2017



Middleton Fire Department

49 Church Street

Middleton, NS

BOS 1PO

September 28, 2017.

Members of Town Council,

The members of the Middleton Fire Department have voted in favor of Hilliard Ewing of [REDACTED] Middleton becoming a probationary member of the department on September 27th, 2017.

Respectfully Submitted by the Investigating Committee of the Middleton Fire Department:

2nd Deputy Chief – Neil Freeman



REQUEST FOR DECISION
Commercial Street Light Cost Overrun
013-2017

Date: September 27,2017	Subject: Commercial Street Light Cost Overrun
Proposal Attached:	Submitted by: Kim Looyenga

Proposal:	Council approve the cost overrun for replacement of 26 street lights on Commercial Street.
Background:	The project of replacing the decorative lighting in the downtown core has been on Council's priority list through the approved budgets over the last several years. Several factors have caused the delay of the project and staff have been working on implementing it through several phases. Due to the time delays, the cost of the project has been difficult to define, partly due to finding the condition of the poles and the infrastructure needing more attention and repair than initially anticipated or determined when the project was first brought forward for Council approval.
Benefits:	The current light posts are eroded and failing. We have already removed 2 and they need to be replaced. A scheduled project would be completed. Very visible to the public. In line with our street scape priorities.
Disadvantages:	Exceeded the budgeted amount.
Options:	<ol style="list-style-type: none"> 1. Completed the schedules work and find the funds for the over run. 2. Complete part of the work, understanding that the lighting price will increase if the volume of lights decreases. 3. Abandon project.
Required Resources:	Budgeted amount \$56,000 Actual Cost \$85,153.10 Deficit Amount \$29,153.10 Lights \$76,353.10 Electrician \$5,750.00 Equipment Hours \$1,360

	Hangers \$1690.00
Source of Funding:	Capital budget and potentially reserves.
Sustainability Implications: (Environmental, Social, Economic and Cultural)	LED lighting is more cost efficient. Improves the downtown core appearance. Avoids potential liability from additional light standard failure. Improves safety with new poles and better lighting at night. Step one in the down town face lift.
Staff Comments/ Recommendations:	Proceed with replacing all the lights. It is necessary to replace previously removed lights. More are going to fail and endanger public safety. It is in line with the street scape priority set by council. The cost of completed this project will only increase with inflation.
CAO's Review/ Comments:	This project has been part of an approved budget for several years and has been delayed over the past due to lack of staffing and resources. If the project is to move forward in this fiscal year, a resolution from Council is required for additional funding above the approved capital budget amount.

CAO Initials: RLT

Target Decision Date: 16 October 2017

TERMS AND CONDITIONS

1. This quotation:
Expires in 30 Days. However CFL and Linear Fluorescent lamp prices are subject to change at the time of shipment.
Is subject to change without notice thereafter unless otherwise noted.
Is contingent on strikes, fires, or other happenings beyond our control.
Is subject to corrections of clerical or typographical errors.
2. A minimum shipping charge may apply (FOB origin).
If there is evidence of damage or shortage in shipments, do not sign clear receipt but sign according to facts.
Claims for damage or shortages should be made on the carrier without delay.
3. All orders arising from this quotation will be subject to credit approval at time of placement.
Quotation is subject to credit availability and/or an approved credit facility in an amount equal to or greater than the value of the quote. Otherwise the transaction would be on a cash basis
All applicable taxes are extra.
4. No material shall be returned to us without first securing our permission in writing.
Material returned without our permission will be held at customer's risk and is liable to non-acceptance.
Material may be subject to restocking fees if it is not normally stocked in our warehouse.
Some materials are non-returnable and are therefore non-refundable.
5. We will not be liable for loss, damage or delay in delivery from causes beyond our control.

Graybar Canada

Freight: Included

Delivery: Est 12 Weeks

Per: Lydia Comar



**10 Pelton Drive
Kentville, NS B4N 3V7**

TEL : (902) 678-2491

FAX : (902) 678-0449

PROJECT QUOTATION

PROJECT NAME: Town Of Middleton

PROJECT NUMBER : _____

REFERENCE: Town Lighting

DATE : September 26th 2017

PAGES: _____

DELIVERY :

TERMS:

TAXES:

F.O.B. :

NOTE:

To be determined and/or negotiated.

Terms of payments are net 30 days unless specified otherwise.

All taxes are extra.

Factory unless otherwise noted.

Freight is prepaid and allowed to jobsite unless stated otherwise.

Where quantities are shown in this quotation, they are to be considered estimated only unless otherwise noted. The material listed in this quotation is based on our interpretation of the plans and specifications.

All quotations are subject to approval by our credit department. Orders are accepted without liability on our part for inability to deliver due to circumstances beyond our control. Any clerical errors are subject to correction.

This quotation is based on current costs and production schedule, and prices will remain firm for a period of 30 days with the exception of products containing steel or copper.

Prices based on total bill of material.

A change in quantity may result in a change in price.

When alternates to the specification are provided we will not guarantee acceptance of these alternates by the engineer or owner.

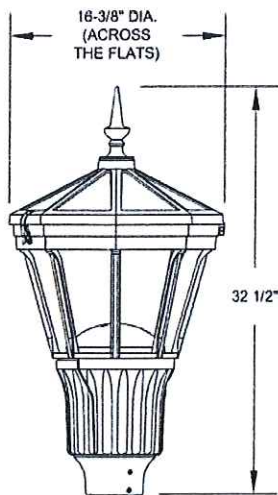
Quotation Submitted By :

Andrew Harper

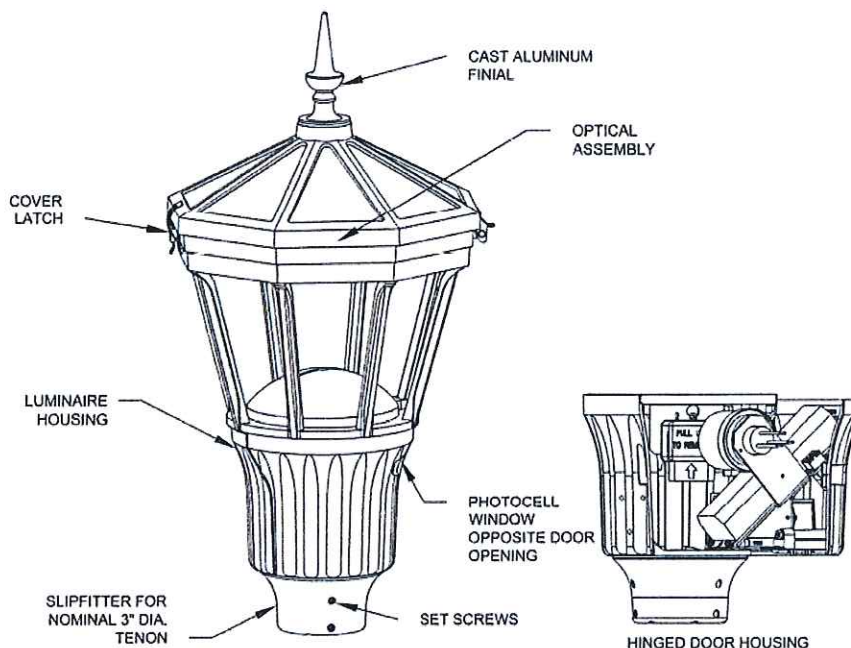
PROJECT : **Town Of Middleton**

TYPE	QTY	LIGHTING	PRICE	PER	TOTAL
	26	Fixtures Model# AUCL2-053HO-4K-AS-BK-L3-S-H-PCLL Utility Arlington FCO LED (AUCL2), 053HO LED Package, 4000k, Auto-sensing Voltage (120-277), Black, Type 3 Full Cutoff LED distribution, Spike Finial, NEMA Twistlock Photo Control Receptacle 120/480v Extended Life Option with AS (120-277v only)			
	26	Poles Model# WC-4RS-12-2.5-07 C/W CUSTOM BASE PLATE 12 ft, 4 inch Round Straight Steel Pole c/w Top Tenon for Holophane fixture. Powder Coat Black over galvanized steel, custom base plate for existing 9.75 Bolt Square Dimension. Unit has full base cover & Festoon box *GFCI's Included In Our Package For Festoon Boxes* 55 Working Days Delivery			
TOTAL LOT PRICE			\$		66,835.00
NOTE : All fixtures listed above are complete with lamps. The quantities above are for the basis of bidding only, purchaser to confirm counts at time of purchase and the price to change accordingly.					

Just HST 10,025.25
 8 76,860.25



Maximum Effective Projected Area - 1.38 sq. ft.
Maximum Weight - 40 lbs



Utility Arlington® Series Luminaire Full Cutoff LED 2

DECORATIVE OUTDOOR



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EXAMPLE: AUCL2 053HO 40K AS BK L3 S

AUCL2 053HO

40K

AS

BK

L3

S

LED PERFORMANCE PACKAGE
035HO = 47W PACKAGE
053 = 70W PACKAGE ¹
053HO = 70W PACKAGE
070HO = 95W PACKAGE
105HO = 145W PACKAGE

VOLTAGE
AS = AUTO-SENSING
120 - 277 V
AH = AUTO-SENSING
347 - 480 V

COLOR
BK = BLACK
GR = GRAY
GH = GRAPHITE
GN = GREEN
PP = PRIME PAINT
WH = WHITE
BZ = BRONZE
TDC = TIGER DRYLAC
COLOR (RAL***)
CMC = CUSTOM MATCH
COLOR

OPTICS
L2 = TYPE 2 DISTRIBUTION,
FULL CUTOFF
**L3 = TYPE 3 DISTRIBUTION,
FULL CUTOFF**
L4 = TYPE 4 DISTRIBUTION,
FULL CUTOFF
L5 = TYPE 5 DISTRIBUTION,
FULL CUTOFF

**FINIAL
(FACTORY INSTALLED)**
B = BALL
S = SPIKE

COLOR TEMP.
AM = TRUE AMBER ¹
30K = 3000K
40K = 4000K
50K = 5000K

ORDERING INFORMATION:

H PCLL

OPTIONS:

AO = ADJUSTABLE OUTPUT DIMMING ^{2,5}

D = ROAM 0-10V DIMMING CONTROL

FPDXX = FACTORY PROGRAMMED DRIVER

H = NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE ONLY

P5 = DIMMING PHOTOCONTROL RECEPTACLE - 5 PIN

P7 = DIMMING PHOTOCONTROL RECEPTACLE - 7 PIN

NL1X1 = 1"x1" ANSI WATTAGE LABEL

NL2X2 = 2"x2" ANSI WATTAGE LABEL

PCS = DTL SOLID-STATE LIGHTING PHOTOCONTROL 120-277 VOLT ³

PCLL = DTL SOLID-STATE LONG LIFE PHOTOCONTROL 120-277 VOLT ³

P34 = DTL TWISTLOCK PHOTOCONTROL 347 VOLT ³

P48 = DTL TWISTLOCK PHOTOCONTROL 480 VOLT ³

PSC = SHORTING CAP ³

L03 = 3FT PREWIRED LEADS ⁴

L10 = 10FT PREWIRED LEADS ⁴

L20 = 20FT PREWIRED LEADS ⁴

L25 = 25FT PREWIRED LEADS ⁴

L30 = 30FT PREWIRED LEADS ⁴

NOTES:

1. 053 AM IS ONLY PAIRING FOR THESE VERSIONS

2. NOT AVAILABLE WITH OPTIONS "P5", "P7", OR ANY OTHER DIMMING OPTION

3. MUST BE USED WITH OPTIONS "H", "P5", OR "P7"

4. UNIT IS PROVIDED WITH 2 FEET OF PREWIRED LEADS UNLESS OTHERWISE SPECIFIED

5. FOR AO SETTINGS, REFER TO INSTRUCTIONS IM-303-D, SEE WEBSITE

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ORDER #:

TYPE:

DRAWN: RAF

DATE: 4/21/2016

DWG #: LUM_AUCL2

1 of 4

Performance Data.

LED Package	Distribution	System Watts	3K (3000K, 70 CRI)					4K (4000K, 70 CRI)					5K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
035HO	L2	47	3,603	77	1	0	1	4,049	86	1	0	1	4,169	89	1	0	1
	L3	47	3,801	81	1	0	1	4,271	91	1	0	1	4,398	94	1	0	1
	L4	47	3,725	79	1	0	1	4,185	89	1	0	1	4,310	92	1	0	1
	L5	47	4,072	87	3	0	1	4,575	97	3	0	1	4,711	100	3	0	1
053HO	L2	70	5,249	75	1	0	1	5,898	84	1	0	1	6,074	87	1	0	1
	L3	70	5,537	79	1	0	1	6,221	89	1	0	1	6,406	92	1	0	1
	L4	70	5,426	78	1	0	1	6,097	87	1	0	1	6,278	90	1	0	1
	L5	70	5,931	85	3	0	1	6,664	95	3	0	1	6,863	98	3	0	1
070HO	L2	95	6,715	71	2	0	2	7,545	79	2	0	2	7,770	82	2	0	2
	L3	95	7,083	75	2	0	2	7,958	84	2	0	2	8,195	86	2	0	2
	L4	95	6,941	73	2	0	2	7,799	82	2	0	2	8,032	85	2	0	2
	L5	95	7,588	80	3	0	2	8,526	90	3	0	2	8,780	92	3	0	2
105HO	L2	145	9,458	65	2	0	2	10,626	73	2	0	2	10,943	75	2	0	2
	L3	145	9,976	69	2	0	2	11,209	77	2	0	2	11,543	80	2	0	2
	L4	145	9,776	67	2	0	2	10,985	76	2	0	2	11,312	78	2	0	2
	L5	145	10,687	74	4	0	2	12,008	83	4	0	2	12,366	85	4	0	2

Use these factors to determine relative lumen output for average ambient temperatures from 0 - 40°C (32 - 104°F)

Average Lumen Ambient Temperature (LAT) Multipliers			
°C	°F	Lumen Multiplier	LED Packages
0	32	1.06	035HO, 053HO, 070HO, 105HO
5	41	1.05	
10	50	1.03	
15	59	1.02	
20	68	1.01	
25	77	1.00	
30	86	0.99	
35	95	0.98	
40	104	0.97	

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Lumen Maintenance - LLD (same for all LED packages)							
Hours	0	25,000	36,000	50,000	60,000	75,000	100,000
Factor	1	0.933	0.912	0.885	0.867	0.84	0.797

The *italicized data* is extrapolated beyond the TM-21 standard.

$E = (LM) \times (CU) \times ((LAT) \times (LLD))$ - LM and CU are obtained from published photometry.

Utility Arlington®
Series Luminaire
Full Cutoff LED 2

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OUTDOOR

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LEADER IN LIGHTING SOLUTIONS
An Acuity Brands Company

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ORDER #:
TYPE:
DRAWN: RAF
DATE: 4/21/2016
DWG #: LUM_AUCL2

2 OF 4

FPDXX Data Options

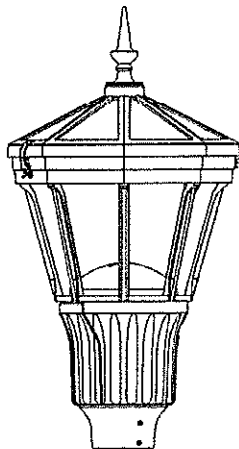
FPDxx setting	Wattage	035HO 3K				035HO 4K				035HO 5K			
		L2	L3	L4	L5	L2	L3	L4	L5	L2	L3	L4	L5
Standard	47	3,603	3,801	3,725	4,072	4,049	4,271	4,185	4,575	4,169	4,398	4,310	4,711
FPD95	45	3,450	3,639	3,566	3,899	3,877	4,089	4,007	4,380	3,991	4,211	4,126	4,510
FPD90	42	3,286	3,466	3,397	3,713	3,692	3,895	3,816	4,172	3,802	4,011	3,930	4,296
FPD85	40	3,130	3,302	3,236	3,537	3,517	3,710	3,635	3,974	3,621	3,820	3,744	4,092
FPD80	38	2,963	3,126	3,063	3,349	3,330	3,512	3,442	3,762	3,428	3,617	3,544	3,874
FPD75	35	2,804	2,958	2,899	3,169	3,151	3,324	3,257	3,561	3,245	3,423	3,355	3,667
FPDxx setting	Wattage	053HO 3K				053HO 4K				053HO 5K			
		L2	L3	L4	L5	L2	L3	L4	L5	L2	L3	L4	L5
Standard	70	5,249	5,537	5,426	5,931	6,060	6,221	6,097	6,951	6,074	6,406	6,278	6,863
FPD95	67	5,030	5,306	5,200	5,684	5,807	5,962	5,843	6,661	5,821	6,139	6,016	6,577
FPD90	63	4,800	5,063	4,962	5,424	5,542	5,689	5,575	6,356	5,554	5,858	5,741	6,276
FPD85	60	4,575	4,826	4,729	5,169	5,282	5,422	5,314	6,058	5,294	5,583	5,472	5,982
FPD80	56	4,338	4,576	4,485	4,902	5,009	5,142	5,039	5,745	5,020	5,295	5,189	5,672
FPD75	53	4,107	4,333	4,246	4,641	4,742	4,868	4,771	5,439	4,753	5,012	4,912	5,370
FPD70	49	3,864	4,076	3,994	4,366	4,461	4,579	4,488	5,117	4,471	4,716	4,621	5,052
FPDxx setting	Wattage	070HO 3K				070HO 4K				070HO 5K			
		L2	L3	L4	L5	L2	L3	L4	L5	L2	L3	L4	L5
Standard	95	6,715	7,083	6,941	7,588	7,545	7,958	7,799	8,526	7,770	8,195	8,032	8,780
FPD95	90	6,442	6,795	6,659	7,280	7,238	7,634	7,482	8,179	7,454	7,862	7,705	8,423
FPD90	86	6,163	6,501	6,371	6,965	6,925	7,304	7,158	7,826	7,132	7,522	7,372	8,059
FPD85	81	5,879	6,201	6,077	6,644	6,606	6,968	6,828	7,465	6,803	7,175	7,032	7,687
FPD80	76	5,590	5,896	5,778	6,316	6,280	6,624	6,492	7,097	6,468	6,822	6,686	7,308
FPDxx setting	Wattage	105HO 3K				105HO 4K				105HO 5K			
		L2	L3	L4	L5	L2	L3	L4	L5	L2	L3	L4	L5
Standard	145	9,458	9,976	9,776	10,687	10,626	11,363	11,204	12,008	10,943	11,543	11,312	12,366
FPD95	138	9,121	9,620	9,428	10,306	10,247	10,958	10,805	11,580	10,553	11,132	10,909	11,925
FPD90	131	8,764	9,245	9,059	9,903	9,847	10,530	10,382	11,128	10,141	10,697	10,483	11,459
FPD85	123	8,402	8,862	8,685	9,494	9,440	10,095	9,953	10,668	9,721	10,254	10,049	10,986
FPD80	116	8,020	8,459	8,290	9,062	9,010	9,635	9,501	10,182	9,279	9,788	9,592	10,486
FPD75	109	7,632	8,050	7,889	8,624	8,575	9,170	9,041	9,690	8,831	9,315	9,128	9,979
FPD70	102	7,224	7,620	7,467	8,163	8,116	8,679	8,558	9,172	8,359	8,817	8,640	9,445

Utility Arlington®
Series Luminaire
Full Cutoff LED 2

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FINIALS

BALL



SPIKE



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ORDER #:

TYPE:

DRAWN: RAF

DATE: 4/21/2016

DWG #: LUM_AUCL2

3 OF 4

Specifications

GENERAL DESCRIPTION

The Utility Washington Full Cutoff LED is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in Holophane's Utility Luminaire Series. A precision optical system maximizes post spacings while maintaining uniform illumination.

OPTICAL SYSTEM

The optical system consists of a precisely engineered LED circuit board located in the top cover. A gasket between the cover and ring along with a flat glass plate and gasket beneath the reflector create a sealed optical compartment that meets an IP65 rating. Optics designed to provide an I.E.S. Asymmetric or Symmetric full cutoff distribution are available.

LUMINAIRE HOUSING

The luminaire housing, cast of aluminum, anchors the optical system and provides an enclosure for the plug in electrical module. The electrical enclosure conforms to an IP55 rating. For use with units with an E.E.I.-N.E.M.A. twist lock photocell receptacle, the housing contains a glass "window" to allow light to reach the cell. The three station incoming line terminal block are pre-wired to a five conductor receptacle for ease in connecting the electrical module. A slipfitter will accept a 3" high by 2 7/8" to 3 1/8" O.D. pole tenon.

LUMINAIRE HOUSING DOOR

Cast of aluminum, the housing door is hinged and latched to the housing. The door forms the mount for the electrical module, and allows easy access during maintenance.

ELECTRICAL MODULE

The electrical components are mounted to an aluminum plate that is removable with standard tools. A matching five plug connector connects the electrical components to the surge protector for quick replacement. For Photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist lock Photocell receptacle.

TOP COVER

The top cover, cast of aluminum, is attached to the top ring of the luminaire housing by a stainless steel hinge pin. The cover is latched by an overcenter, positive action, stainless steel latch which allows tool-less entry to the lamp chamber for relamping.

ELECTRICAL DRIVER

LED programmable dimmable driver, with 0-10V control leads, is standard.

FINISH

The luminaire is finished with polyester powder paint to ensure maximum durability.

LISTING

The luminaire is UL listed as suitable for wet locations at a maximum of 40°C ambient temperature.

WARRANTY

Limited warranty located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Utility Arlington®
Series Luminaire
Full Cutoff LED 2

DECORATIVE
OUTDOOR

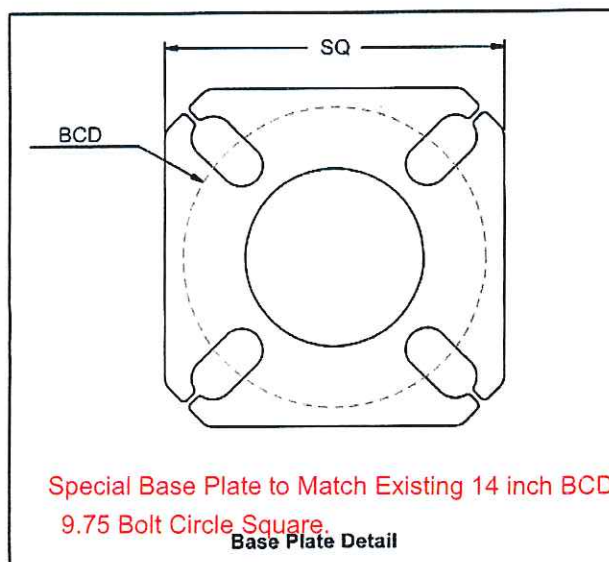
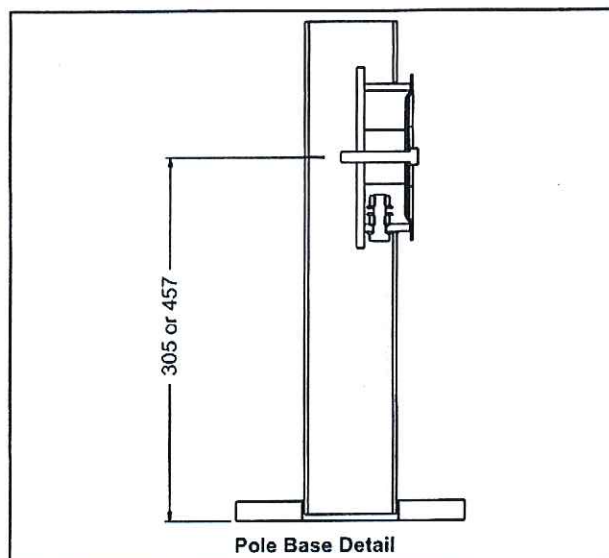
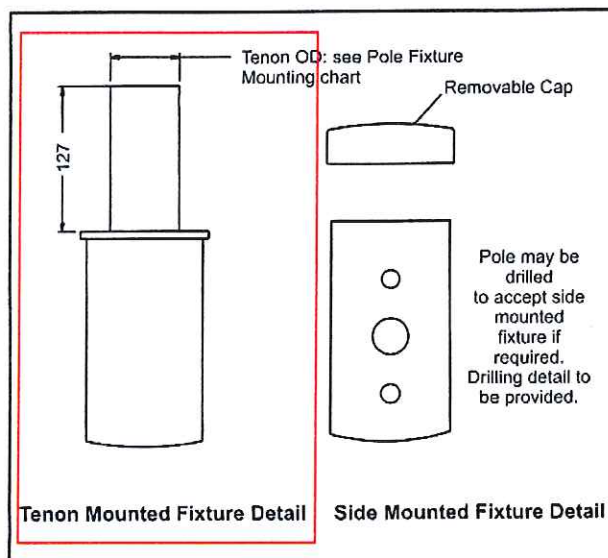
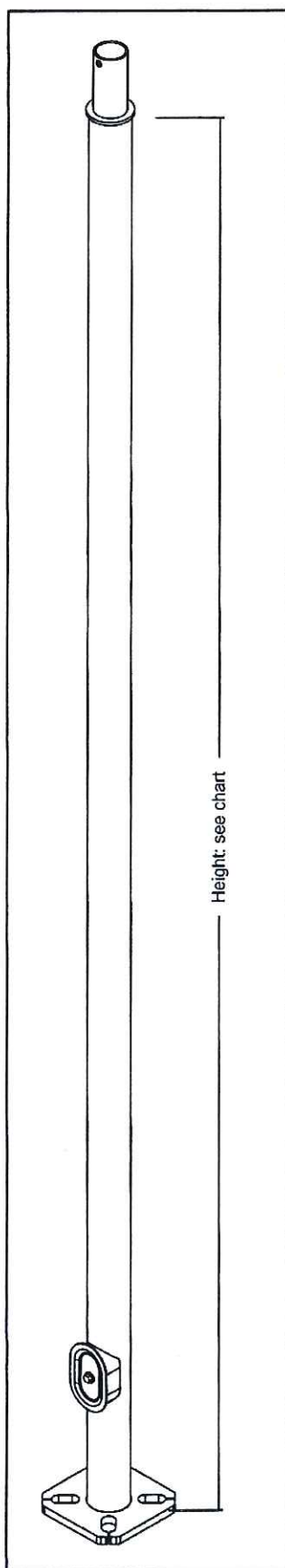

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An Acuity Brands Company

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. DIMENSIONS SHOWN IN WRITING ON POLE ORDERS OR ANCHOR BOLT TEMPLATE PRINT SHALL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PRODUCED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED TO THE USER UNDER THE CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:	
TYPE:	
DRAWN:	RAF
DATE:	4/21/2016
DWG #:	LUM_AUCL2

4 OF 4

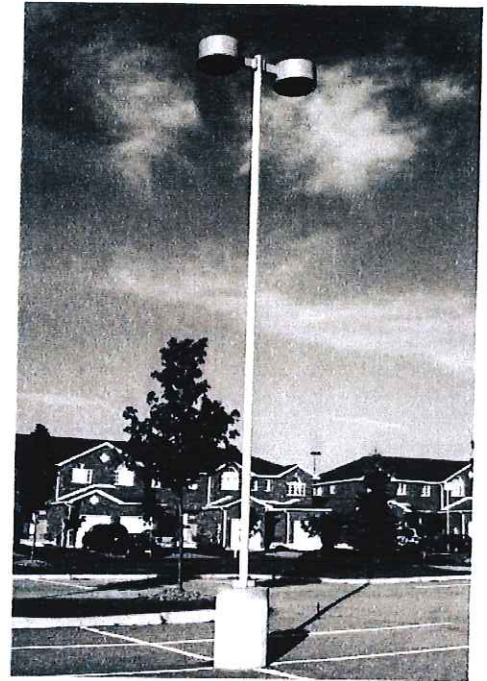
ROUND STRAIGHT POLES



ROUND STRAIGHT POLES

Surface Finish Codes	
00	Bare Metal
02	Finish Paint
03	Powder Coat
04	Galvanize
07	Galvanize & Powder Coat
08	Special Request

Pole Fixture Mounting Options Chart	
Suffix x.x	Description
0.0	Top cap only
0.1	Top cap with one side-mounted fixture
0.2	Top cap with two side-mounted fixtures
0.3	Top cap with three side-mounted fixtures
0.4	Top cap with four side-mounted fixtures
2.0	Top tenon, 60mm O.D.
2.5	Top tenon, 73mm O.D.
3.0	Top tenon, 89mm O.D.
3.5	Top tenon, 102mm O.D.
4.0	Top tenon, 114mm O.D.



Powder Coat over Galvanized Steel.
Base Cover included.

Valmont WCE Round Straight Poles

Height	Catalogue Number	Base Plate				Anchor Bolt			Max.EPA (m ²)						
	Weight (Kg)	SQ (mm)	BCD (mm)	AB Diameter (in)	AB Length (in)	Projection (Shim lvl.) (mm)	Projection (Nut lvl.) (mm)	q<=410 Pa	q<=460 Pa	q<=560 Pa	q<=650 Pa	q<=750 Pa	q<=830 Pa		
3" Round Straight Poles															
6'	3RS-6-x.x	15	190	152	0.75	24	48	89	1.15	1.02	0.82	0.70	0.60	0.54	
8'	3RS-8-x.x	18	190	152	0.75	24	48	89	0.88	0.77	0.62	0.52	0.44	0.39	
10'	3RS-10-x.x	22	190	152	0.75	24	48	89	0.68	0.60	0.47	0.39	0.32	0.28	
12'	3RS-12-x.x	25	190	152	0.75	24	48	89	0.54	0.47	0.36	0.29	0.23	0.20	
4" Round Straight Poles															
8'	4RS-8-x.x	24	200	178	0.75	24	51	92	1.67	1.47	1.19	1.01	0.86	0.76	
10'	4RS-10-x.x	29	200	178	0.75	24	51	92	1.33	1.17	0.93	0.78	0.66	0.58	
12'	4RS-12-x.x	33	200	178	0.75	24	51	92	1.07	0.94	0.74	0.61	0.50	0.43	
14'	4RS-14-x.x	38	200	178	0.75	24	51	92	0.88	0.76	0.58	0.47	0.38	0.32	
16'	4RS-16-x.x	43	200	178	0.75	24	51	92	0.72	0.61	0.45	0.36	0.27	0.22	
18'	4RS-18-x.x	48	200	178	0.75	24	51	92	0.58	0.48	0.34	0.26	0.18	0.14	
20'	4RS-20-x.x	52	200	178	0.75	24	51	92	0.46	0.37	0.25	0.17	0.10	0.06	
24'	4RS-24-x.x	61	200	178	0.75	24	51	92	0.26	0.19	0.09	0.00	0.00	0.00	
4" Round Straight Heavy Duty Poles															
16'	4RH-16-x.x	62	200	178	0.75	24	51	92	1.15	1.00	0.77	0.63	0.52	0.44	
20'	4RH-20-x.x	75	200	178	0.75	24	51	92	0.82	0.69	0.51	0.39	0.30	0.24	
24'	4RH-24-x.x	90	200	178	0.75	24	51	92	0.57	0.46	0.31	0.21	0.12	0.08	
30'	4RH-30-x.x	111	200	178	0.75	24	51	92	0.27	0.18	0.06	0.00	0.00	0.00	

Conversion Factor: to convert EPA from Square Metres to Square Feet multiply Square Metres by 10.76

David George Electrical Contracting Limited

RR #1

6994 Hwy 201

Lawrencetown, Nova Scotia B0S 1M0

Canada

QUOTE

Quote No.: 251

Date: Sep 28, 2017

Page: 1

Ship Date:

Sold To:

Town of Middleton

131 Commercial Street

PO Box 340

Middleton, Nova Scotia B0S 1P0

Canada

Ship To:

Town of Middleton

131 Commercial Street

PO Box 340

Middleton, Nova Scotia B0S 1P0

Canada

Business No.: 820371672

Item No.	Quantity	Unit	Description	Tax	Unit Price	Amount
	1		Disconnect existing twenty-six street lights and reconnect twenty-six new replacements	H5		
			Labour	H5	5,000.00	5,000.00
			H5 - HST 15%			
			H15			750.00
Shipped by						
Comments Disconnect existing twenty-six street lights and reconnect twenty-six new replacements					Total Amount	5,750.00
Sold By:						

QUATTRO

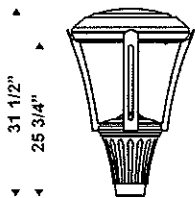
TERRA

series

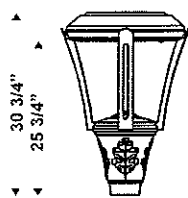


TER130

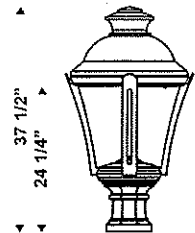
Ø21 5/8"
Ø20"



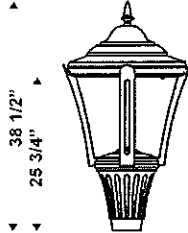
TER 100



TER 110



TER 120



TER 130

E.P.A.: 2.7 sq ft

WEIGHT: 38 lbs

Terra Series



The TER100 Series fixtures are made of a cast aluminum filter provided with four cast aluminum arms and a heavy cast aluminum frame. A cast aluminum housing surmounted of a spun aluminum hood is assembled to the frame by means of an integrated hinge. The push button opening system allows a tool-free and hands-free access to the lamp and ballast or LED device and driver. In the case of the OCB optic, the removable ballast assembly is located within the filter and is accessible by a tool-less rotary cap spring. The fitter is designed to fit onto a 4" outside diameter pole or else, with the addition of a post top reducer, it could fit other pole dimensions. The product comes with tempered, flat or sagged, glass lens. Regarding LED device configurations, no need for lens because the LED device is a whole unit and meets the IP66 standard.

OPTIC

OCB_*

Full cut-off

Reflector

Horizontal lamp

IP66 Rated

(Only available for

TER100 - TER120 - TER130)



*Type 1 to 4

L_*

Full cut-off

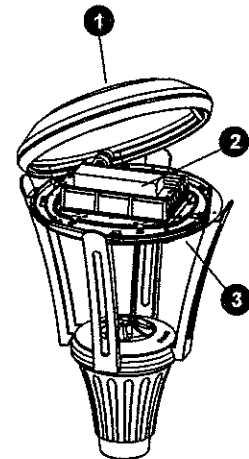
LED Module

IP66 Rated



*Type 3 & 5

MAINTENANCE



1- Head Module
2- Ballast Module
3- Lens Module

ORDERING INFO

PRODUCT	OPTIC	LENS	WATT / SOURCE / SOCKET	VOLTAGE	COLOR	FITTER	FINIAL	OPTION
TER130	OCB3	GGC	100 MH / MED	120	BKTX	PA2	F3	PTL

LENS

GGC: Clear Flat Tempered Glass Lens

GGB: Brushed Flat Tempered Glass Lens

GGSC: Clear Tempered Glass Sagged Lens

GGSB: Brushed Tempered Glass Sagged Lens

VOLTAGE

SINGLE TAP: 120 / 208 / 240 / 277 / 347 / 480

DUAL TAP: DT1/_* (120-240) * = connected at
DT2/_* (120-277) _____ volts

TRI TAP: TT1/_* (120-208-240)
TT2/_* (120-277-347)

QUAD TAP: QT/_* (120-208-240-277)

WATT / SOURCE / SOCKET

METAL	50 / 70 / 100 / 150	MH	MED (Medium)
HALIDE	70 / 100 / 150	MH	MOG (Mogul: TER120)

Options: /EL Electronic Ballast
/D_* Step Dimming *6, 8 or 10 hours

45 / 60 / 90 / 140	MH	PGZ12
210 / 315	MH	PGZ18 (TER120)

Options: /D_* Step Dimming *6, 8 or 10 hours

HIGH	35 / 50 / 70 / 100 / 150	HPS	MED (Medium)
PRESSURE	50 / 70 / 100 / 150	HPS	MOG (Mogul: TER120)
SODIUM			

LED	35 / 55 / 70	LEDD (TYPE 3 & 5)
	31 / 45 / 48 / 65 / 68 / 91 / 99 / 140	LEDF (TYPE 3 & 5)
	140	LEDE (TYPE 3 & 5)

COLOR

TEXTURED FINISH

BKTX Black
BZTX Bronze
GNDTX Dark Green
GNTX Green
BUTX Blue
RDTX Red
GYTX Grey
TANTX Tan
WHTX White

FINE TEXTURED FINISH

BKST Black
ANST Anthracite
GYST Grey
SANST Metallic Sand

SMOOTH FINISH

SYSM Nu Sparkle Silver

FITTER



PA2



PA4



PA7

FINIAL



F1



F2



F3



F4



F5

OPTIONS

PTR: Post top reducer

PBT: Button type photocell

PTL: Twist lock photocell receptacle

PTL1: Twist lock photocell receptacle c/w painted cover

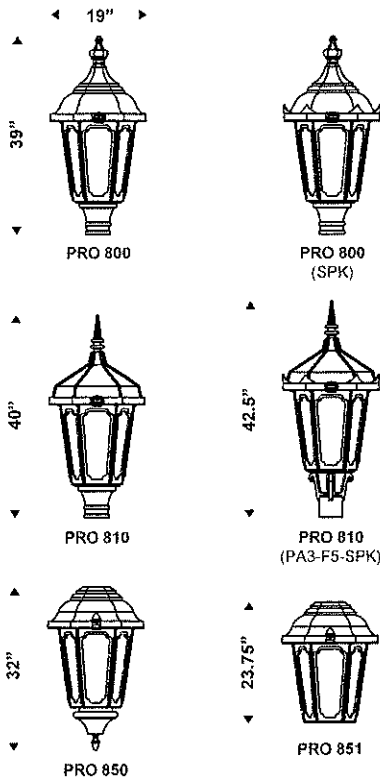
QUATTRO

PROVINCIAL

series



PRO800



ORDERING INFO

WEIGHT: 54 lbs
E.P.A: 2.7 sq ft

Provincial Series



QUATTRO

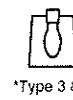
www.quattrolighting.com

The PRO800, PRO810 and PRO850 Series are made of a tapered octagonal aluminum cast housing c/w a cast aluminum hood and a decorative cast aluminum finial. The hood is assembled to the housing by means of an integrated hinge and locked by a latch. The opening system allows a tool free and hands free access to the lamp and ballast or LED device and driver. The head module is welded to a post top adapter. Both proposed filters are designed to fit onto a 4" outside diameter pole or else, with the addition of a post top reducer, it could fit other pole dimensions. PRO850 and PRO851 offer a suspended mount.

OPTIC

ORH_* Full cut-off Reflector Horizontal lamp Decorative glass chimney or silver painted cone		*Type 3 & 5
OCB_* OCB_*/QS (IP66) Full cut-off Reflector Horizontal lamp Decorative glass chimney or silver painted cone		*Type 1, 2, 3 & 4
ORV_* Semi cut-off Reflector Vertical lamp Decorative glass chimney or silver painted cone		*Type 3 & 5

OG_*
OG_*/QS (IP66)
Non cut-off
Glass refractor
Vertical lamp



*Type 3 & 5

OLS_*
Semi cut-off
Louvers System
Vertical lamp



*Type 3 & 5

NO5
NO5/QS (IP66)
Non cut-off
Vertical lamp



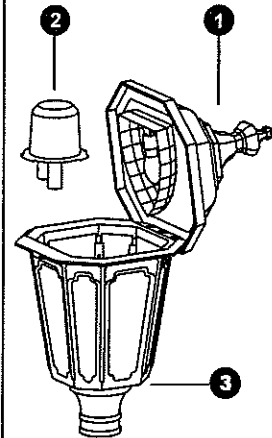
Type 5

L_* (IP66)
Full cut-off
LED Module
Decorative glass chimney
or silver painted cone



*Type 3 & 5

MAINTENANCE



1- Head Module
2- Ballast / cone Module
3- Filter Module

PRODUCT	OPTIC	LENS	WATT / SOURCE / SOCKET	VOLTAGE	COLOR	FITTER	FINIAL	OPTION
PRO800	OG3/QS	GPC	100 MH / MED	120	BKTX	PA1	F8	SPK

LENS

IP66 THERMOFORMED GLOBE (QS)

GAC: Clear Acrylic
GPC: Clear Polycarbonate
GAO: Opal Acrylic
GPO: Opal Polycarbonate
GAB: Brushed Acrylic

IP54 LENS ASSEMBLY

GAC: Clear Acrylic
GPC: Clear Polycarbonate
GAO: Opal Acrylic
GPO: Opal Polycarbonate
GAB: Brushed Acrylic
GAF: Frosted Acrylic
GGC: Clear Glass
GGB: Brushed Glass

VOLTAGE

SINGLE TAP: 120 / 208 / 240 / 277 / 347 / 480

DUAL TAP: DT1/_* (120-240) * = connected at
DT2/_* (120-277) _____ volts

TRI TAP: TT1/_* (120-208-240)
TT2/_* (120-277-347)

QUAD TAP: QT/_* (120-208-240-277)

WATT / SOURCE / SOCKET

METAL HALIDE	50 / 70 / 100 / 150 / 175	MH	MED (Medium)
	70 / 100 / 150	MH	MOG (Mogul: OG/QS-NO/QS)
	70 / 100 / 150 / 250 / 400	MH	MOG (Mogul: OG-NO)

Options: /EL Electronic Ballast
/D_* Step Dimming *6, 8 or 10 hours

45 / 60 / 90 / 140	MH	PGZ12
210 / 315	MH	PGZ18

Options: /D_* Step Dimming *6, 8 or 10 hours

HIGH PRESSURE SODIUM	35 / 50 / 70 / 100	HPS	MED (Medium: OCB/QS-OCB)
	35 / 50 / 70 / 100 / 150	HPS	MED (Medium: ORH-ORV-OLS-OG/QS-NO/QS)
	50 / 70 / 100	HPS	MOG (Mogul: OG/QS-NO/QS)
	50 / 70 / 100 / 150 / 200 / 250 / 400	HPS	MOG (Mogul: OG-NO-ORH-ORV-OLS)

LED	35 / 55 / 70	LEDD	(TYPE 3 & 5)
	31 / 45 / 48 / 65 / 68 / 91 / 99 / 140	LEDF	(TYPE 3 & 5)

COLOR

TEXTURED FINISH

BKTX	Black
BZTX	Bronze
GNDTX	Dark Green
GNTX	Green
BUTX	Blue
RDTX	Red
GYTX	Grey
TANTX	Tan
WHTX	White

FINE TEXTURED FINISH

BKST	Black
ANST	Anthracite
GYST	Grey
SANST	Metallic Sand

SMOOTH FINISH

SYSM	Nu Sparkle Silver
------	-------------------

FITTER



PA1



PA3

FINIAL



F1

F2

F3

F4

F5

F6

OPTIONS

CH: Decorative glass chimney
S: Decorative silver painted spun cone
PTR: Post top reducer
HS: House side shield
PBT: Button type photocell
PTL: Twist lock photocell receptacle (only PRO800 & PRO810)
PTL1: Twist lock photocell receptacle c/w cover (PRO800/810)
AB: Brass accent
AC: Copper accent
AO: Chrome accent
SPK: Decorative spikes
LRM/F_: Ladder rest

TOWN OF MIDDLETON
APPOINTMENT LIST
(Approved by Council November 21, 2016)
Revised September 18, 2017

COUNCIL

MAYOR ATKINSON, DEPUTY MAYOR DEN HAAN,
COUNCILLORS FAIRN, MACMURTRY, MARSHALL
REID, SMITH

COMMITTEE OF THE WHOLE

ATKINSON, DEN HAAN, FAIRN, MACMURTRY,
MARSHALL, REID, SMITH

ANNAPOLIS PARTNERSHIP STEERING COMMITTEE

ATKINSON, FAIRN, MARSHALL (ALT)

AUDIT COMMITTEE

ATKINSON, DEN HAAN, FAIRN, MACMURTRY,
MARSHALL, REID, SMITH

CLIMATE CHANGE ACTION PLAN ADAPTION COMM.

TURNER, M.TOOLE, DEN HAAN, MARSHALL
LOOYENGA, DAINE, MCAULEY, VACANT

DANGEROUS & UNSIGHTLY PREMISES ADMINISTRATOR

TURNER, DAINE (ALT)

LEGACY 2017 COMMITTEE

ATKINSON, TURNER (ALT)

MIDDLETON SWIMMING POOL SOCIETY

ERIC BALSER, MICHELLE DOWELL,
KRISTA STEELE, KRISTA TOOLE,
VACANT (3)

PLANNING SERVICES PUBLIC ADVISORY PANEL

Citizens-at-large – REINHOLD GRIFF, TOM SPINNEY
COLIN CROWELL, VACANT
Council Appointees – ATKINSON, MACMURTRY, REID

POLICE ADVISORY BOARD

Citizens-at-large – DAVID MCCOUBREY, JOHN
THOMPSON, GORDON RODGERS
Council Appointees – DEN HAAN, MACMURTRY, SMITH
NS Dept. of Justice – VACANT

REMO COORDINATOR

BRIAN ORDE
CAROLYN YOUNG (ALT)

REMO ADVISORY COMMITTEE

MARSHALL, REID

REMO PLANNING COMMITTEE

RACHEL TURNER
KIM LOOYENGA

VALLEY REN LIAISON & OVERSIGHT COMM.

SYLVESTER ATKINSON
FAIRN (ALT)

REGIONAL LIBRARY BOARD

JILL COX

**SOLDIERS MEMORIAL HOSPITAL FOUNDATION
REPRESENTATIVE**

VACANT

SOURCE WATER PROTECTION ADVISORY COMM

Citizens-Town – RON BROWN, MIKE TOOLE
Citizens-County – FRED ROCH
County Council – VACANT
Town Council – DEN HAAN, MACMURTRY
Town Planner – CHRIS MILLIER
Town Engineer – KIM LOOYENGA
Other – CAO RACHEL TURNER

TOWN ENGINEER

KIM LOOYENGA

TRAFFIC AUTHORITY

STEPHEN MCINNIS,
KIM LOOYENGA (ASST)

VALLEY WASTE RESOURCE MANAGEMENT

SMITH, MACMURTRY (ALT)

WESTERN REGIONAL HOUSING AUTHORITY

Dianne McDonald - Citizen-at-large (March 2020)

YOUTH AMBASSADOR COMMITTEE

ATKINSON, REID, SMITH, VACANT,

YOUTH AMBASSADORS

MELISSA BURBIDGE

AUDITORS

KENT & DUFFETT

BUILDING & FIRE OFFICIALS

RUSSELL MACKINTOSH
DANNY WRIGHT

DEVELOPMENT OFFICER

CHRIS MILLIER

ANIMAL CONTROL OFFICER

ZAK ROSE

VWRM BYLAW ENFORCEMENT OFFICER

GRACE PROSZYNSKA

FIRE CHIEF

MIKE TOOLE

FIRE CONSTABLES

GORDON RODGERS, KENT SMITH
PHILIP TOWNSEND

FIRE WARDS

MIKE TOOLE, SCOTT VEINOT,
NEIL FREEMAN

RCMP NCO IN CHARGE

CPL. DIONE CANNING

RETURNING OFFICER

KRISTA TOOLE

TOWN CRIER & CONSORT

PETER CROFTON DAVIES
VALERIE MARGARET DAVIES

TOWN SOLICITORS

TAYLOR MACLELLAN COCHRANE