TOWN OF TIMNATH, COLORADO
RESOLUTION NO. 74, SERIES 2016

A RESOLUTION APPROVING
TIMNATH CRITERIA MANUAL AMENDMENT: STREET LIGHTING

WHEREAS, the Town Council of the Town of Timnath ("Town") pursuant to C.R.S. § 31-15-103, has the power to pass resolutions; and

WHEREAS, attached hereto as Exhibit A is the proposed Street Lighting Amendment; and

WHEREAS, the Town desires to standardize the street lighting installed thru out the Town; and

WHEREAS, the Town Council is familiar with the Amendment and finds it to be in the best interest of the Town, its residents, and the general public.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF TIMNATH, COLORADO AS FOLLOW:

Section 1. Approval
The Amendment is hereby approved in substantially the form as attached hereto, subject to technical or otherwise non-substantive modifications, as deemed necessary by the Town Manager in consultation with the Town Planner, Engineer, Legal Counsel, and other applicable staff or consultants.


TOWN OF TIMNATH, COLORADO

Jill Grossman-Belisle, Mayor

ATTEST:

Milissa Peters, CMC
town Clerk
RESIDENTIAL AND PUBLIC STREET LIGHTING

Attached to this policy are street lighting specifications to be used for projects and roads within the corporate limits of the Town of Timnath. The specifications include both “local” or residential lighting and “arterial” (for minor & major arterial roads) lighting systems. There are two electric utility service providers in the Town of Timnath – Xcel Energy and Poudre Valley Rural Electric Association (PVREA). Depending on which service area the project is located in, the design, acquisition, and installation requirements will be different. However, all areas will use the same standard lighting. Please see the appropriate section below for specifics related to each entity.

In all installations, the developer shall provide the Town with one light pole assembly per every 25 poles erected in the development. The number of poles given to the Town shall be no less than one and no more than three and shall be given to the Town immediately prior to final acceptance.

XCEL ENERGY

The Town will be utilizing an energy only rate structure with Xcel called ESL. When submitting a development’s design request to Xcel, the designer needs to be notified that all street lights will be ESL. Their system will then be configured to support this type of installation. Xcel will install service points (in many locations the same point as serves the house) for providing service to the street lights.

The developer will be responsible for the street light layout and design to be included in the engineering plans. Layout of the system will be with coordination from the Town, and ultimately Xcel, so that street lights can be located close to Xcel’s service points when possible. This may require some adjustment from the initial design once Xcel has completed their layout. The intent is to locate the street lights within 15’ of a planned service point, which should work on most residential streets. On streets that do not have frequent service points (collectors or arterials for example), the developer will be responsible for the design of the electrical system for the street lights so that there are multiple lights served from one service point.

The developer will be responsible for acquisition and installation of the street lights, including foundations. This will include:

- Acquisition of street lights (pole, arm, fixture, base) and pull boxes per the specifications.
- Acquisition and installation of street light foundations. These can be precast, twist in, or cast in place.
- Installation of ESL Point of Connection pull box. This has to be located within 15’ of a service point. The preferred location will be immediately adjacent to the street light. If the street light is more than 15’ from the service point, ESL POC will be set adjacent to the service point.
- Installation of street lights, including wiring to the ESL Point of Connection (in conduit).
- Once this work has been completed, contact Xcel to complete the wiring from the ESL Point of Connection to their service point and energize the system.

**PVREA**

PVREA will continue to design and install street lights in their service area, using the Town’s standard street lights. Street light layout shall be shown with the construction plans for coordination with the Town, to be finalized by PVREA. While PVREA will install the lights, it will be the developer’s responsibility to acquire the necessary materials, including:

- Acquisition and installation of street light foundations. These can be precast, twist in, or cast in place. Depending on foundations selected, these may need to be installed by the developer. Currently PVREA does not have the ability to install the foundations required for the street lights.
- Acquisition of street lights (pole, arm, fixture, base). All materials shall be delivered to the job site as coordinated with PVREA and secured until installed by PVREA.

**MATERIALS**

The attached standards shall be used for all street lighting projects in the Town of Timnath:

- Local Roadways
  - 18’ Residential-Ped Pole Composite
- Major Collector Roadways (as identified by Timnath)
  - 28’ Roadway Single Fixture Pole
- Arterial Roadways (Harmony, CR 5, Latham Parkway)
  - 28’ Decorative Pole w/ 6’ Upsweep Arm
- Pullbox (Xcel Only) – Cover shall be marked with “Timnath” and “ESL” as indicated
  - Hubbell Power Systems, Flared Wall Style
    - 11x18 – Part No. B10111812A
    - 13x24 – Part No. B10132412A
- Foundations – cast in place, precast, or screw in as required

The Town’s Street Light vendor is Mountain States Lighting. All materials can be acquired thru them.

Mountain States Lighting
Attn: Paul Plasha
PO Box 449
Conifer, CO 80433
(303) 838-4430
pplasha@mtnstatesltg.com
PART# 18RSA4.5-3X3/TT-TMSQ HUB-SGL FL ARM-17"MAD(LOGO)-BK

FLUTED ALUMINUM ARM BY MOUNTAIN STATES LIGHTING
HANG STRAIGHT 30° PLUMBIZER BY MOUNTAIN STATES LIGHTING
K819-P4 60 WATT LED TYPE 3 TEAR DROP SHAPED FIXTURE WITH BRIM SUPPLIED BY MOUNTAIN STATES LIGHTING

ALL COMPONENTS PAINTED BLACK

FLUTED ARM DETAIL

FINISH; BLACK PAINT OVER POWDER PRIMER

12 1/4"

ARM MOUNTS ON 3" X 3" TENON

POLE BASE DETAIL

18' TALL 4.5" DIAMETER STRAIGHT ROUND ALUMINUM POLE WITH .266" WALL THICKNESS. 3" X 3" TOP TENON

17" MADISON DECORATIVE BASE- HIGH DENSITY ELASTOMER 1/2" MIN. THICKNESS WITH LOGO CAST INTO TOP RING

ANCHOR PLATE DETAIL

GALVANIZED STEEL PLATE WITH HOLES FOR 3/4" X 18" ANCHOR BOLTS ON 12" NOMINAL DIAMETER BOLT PROJECTION TO BE 3 1/2"

TIMNATH 18' RESIDENTIAL-PED POLE COMPOSITE

DECORATIVE LIGHTING STANDARDS BY MOUNTAIN STATES LIGHTING

MOUNTAIN STATES LIGHTING

TIMNATH 18' SRA LED STANDARD PED POLE

SCALE: NTS
DATE: 06/29/2015
DRAWN BY: Ry
DRAWING NUMBER: TIMN-PED-CP-MSL06/15

REVISIONS: PP 4-22-16 3/4" AB's, 7-25 - Generic

P.O. Box 449
Castle, CO 80433
Phone: 303-838-4480
Fax: 801-605-9858

JOB NAME:

Mountain States

QUOTE #:

DIST: 
FLUTED ALUMINUM ARM BY MOUNTAIN STATES LIGHTING

HANG STRAIGHT 30° PLUMBIZER BY MOUNTAIN STATES LIGHTING

K819 -P4 150 WATT LED TYPE 3 TEAR DROP SHAPED FIXTURE WITH BRIM SUPPLIED BY MOUNTAIN STATES LIGHTING

ALL COMPONENTS PAINTED BLACK

FLUTED ARM DETAIL

ARM MOUNTS ON 3" X 3" TENON

ANCHOR PLATE DETAIL

GALVANIZED STEEL PLATE WITH HOLES FOR 1" X 36" ANCHOR BOLTS ON 12" NOMINAL DIAMETER BOLT PROJECTION TO BE 4"

TIMNATH 28' ROADWAY SINGLE FIXTURE POLE COMPOSITE

DECORATIVE LIGHTING STANDARDS BY MOUNTAIN STATES LIGHTING
PART# 28RTS-8/4-SA/2B/6'S/SCR ARM-22MAD(LOGO)-BK-K819LED

MOUNTAIN STATES LIGHTING 30° HANG STRAIGHT PLUMBIZER W/OPTIONAL UTILITY TWIST LOCK PHOTOCELL RECEPTACLE

150 WATT LED TEARDROP STYLE FIXTURE WITH BRIM TO BE SUPPLIED BY MOUNTAIN STATES LIGHTING. DETAILS ON SEPARATE SHEET

72" x 24" X 2.38" OD PIPE UPSWEEP ARM WITH DECORATIVE STRAP SUPPLIED BY MOUNTAIN STATES LIGHTING. DETAILS ON SEPARATE SHEET.

POLE IS 28' TALL WITH 8" DIA BOTTOM AND 4" DIA TOP MADE OF STEEL, WITH A 11GA WALL THICKNESS

FINISH:
POWDER COAT BLACK FINISH OVER ZINC RICH POWDER PRIMER

POLE CAP DETAIL
CAST ALLOY SLIP ON CAP IS SECURED WITH A SINGLE SET SCREW

POLE BASE DETAIL
4" x 6" HAND HOLE LOCATED 12" UP FROM BOTTOM OF POLE

ANCHOR PLATE DETAIL
12" X 12" X 1" GALVANIZED STEEL PLATE WITH HOLES FOR 1" ANCHOR BOLTS ON 12" NOMINAL DIAMETER

TIMNATH CO 28' DECORATIVE POLE W/6' UPSWEEP ARM COMPOSITE

DECORATIVE LIGHTING STANDARDS BY MOUNTAIN STATES LIGHTING

POD Box 449
Centere, CO 8043
Phone 303-838-6430
Fax 801-605-9058

MOUNTAIN STATES LIGHTING

JOB NAME:
TIMNATH CO 28' DECORATIVE 4 LANE ARTERIAL STD

SCALE:
NTS
DATE:
07/28/2016
DRAWN BY:
Ry
DRAWING NUMBER:
Timn-28''6'S POLE/ARM

REP:
Mountain States

QUOTE:

DIST:
ESL RATE - PSCo
POINT OF DELIVERY SUBSURFACE
PULLBOX OPTION

Notes:
1. Pullbox shall be incidental traffic rated per ANSI (TR8).
2. Pullbox cover shall be labeled with the name of the customer and the ESL marking indicating that the circuit is served under the ESL rate. The label shall be engraved in the cover by the manufacturer.
3. Pullbox shall be located where Xcel Energy crews can easily and safely access it.
4. Customer circuit shall be appropriately fused to coordinate with Xcel Energy upstream over current protection device(s).
ESL RATE - PSCo
POINT OF DELIVERY SUBSURFACE PULLBOX OPTION DETAILS

Notes:
1. Pullbox cover shall be labeled with the name of the customer and the ESL marking indicating that the circuit is served under the ESL rate. The label shall be engraved in the cover by the manufacturer.
2. Pullbox shall be located where Xcel Energy crews can easily and safely access it.
3. Customer circuit shall be appropriately fused to coordinate with Xcel Energy upstream over current protection device(s). The fuse shall be owned and maintained by the customer.