

CITY OF YUBA CITY
STAFF REPORT

Date: September 19, 2017

To: Honorable Mayor & Members of the City Council

From: Public Works Department

Presented by: Benjamin Moody, Deputy Public Works Director – Engineering

Summary

Subject: Blackburn Talley Field Lighting Replacement (Approval of Plans & Specifications)

Recommendation: A. Adopt a resolution approving the plans and specifications for the Blackburn Talley Field Lighting Replacement and authorizing advertisement for bids on the project.

B. Authorize the Finance Director to utilize \$50,000 of unobligated General Fund monies to advance funding to FY 17-18, from FY 18-19 in CIP Blackburn Talley Field Lighting Replacement project to provide net savings for the project.

Fiscal Impact: Engineer's Estimated Project Cost: \$310,000 – Account No. 1234 (Blackburn Talley Field Lighting Replacement)

Purpose:

To remove and replace the existing lighting of the Blackburn Talley Sports Complex with a new LED stadium lighting system.

Background:

As part of a three year process in the Capital Improvement Program, Council has allocated funds for the purpose of upgrading field lighting at the Blackburn Talley Sports Complex. The CIP was budgeted to convert one field a year over the next three years (three fields total).

The proposed project calls for the replacement of the lighting system on Fields #1 and a portion of Field #2 of the complex with a new LED lighting system. The upgrade to the LED system will greatly reduce the current energy demand for the lighting while providing a higher quality of lighting on the field and less glare to adjacent areas, including Garden Highway. Additionally, due to maintenance needs of the existing equipment the new equipment comes with a 25-year maintenance plan for parts and labor, as part of the equipment warranty to reduce future liabilities and costs.

With the increased lighting efficiency of the system, the number of poles needed for each field will be reduced from the current total amount of eight per field to four individual poles per field and two shared central poles (A1 and B1 on the Location Map Exhibit).

Analysis:

The Public Works and Community Services Departments have evaluated the construction phasing options for the ultimate replacement of lighting systems at all three fields. Through additional analysis the most cost and time effective option is to construct full lighting replacement for Field #1, including a set of shared poles between Fields #1 and 2 at this time. While the project was originally budgeted at the estimated \$260,000 for Field #1 this Fiscal Year, constructing the two central poles during this first phase as shared poles between Fields will reduce total project cost by approximately \$30,000 for the first two fields.

Public Works has prepared the project plans, specifications, and cost estimate for the Blackburn Talley Field Lighting Project. With Council approval of the plans and specifications and authorization to advertise for bids, staff proposes the following schedule:

Advertise for Bid:	September 2017
Award Contract:	October 2017
Construction:	Fall / Winter 2017
Completion:	Winter 2017

The plans and specifications for the project are on file in the Public Works office for review.

Construction management and inspection will be administered by the City's Public Works and Community Services Departments.

Fiscal Impact:

The estimated project cost to convert Field #1 and a portion of Field #2 is estimated at \$310,000, including contingency and construction management. The project will be funded through Account No. 1234 (Blackburn Talley Field Lighting Replacement). To fund the project staff is requesting the advancement of \$50,000 of unobligated General Fund monies to construct the project with the shared poles to ultimately provide a net savings to the City for the project.

With the installation of the LED system the long term energy costs to the City will be reduced due to the lower energy demands required of the lighting.

At the time of award, staff will present a detailed analysis of project costs and funding information.

Alternatives:

1. Reduce project scope to replace the lighting system on Field #1 only at this time.
2. Delay the entire project until next Fiscal Year and include all of Field #2.

Recommendation:

- A. Adopt a resolution approving the plans and specifications for the Blackburn Talley Field Lighting Replacement and authorizing advertisement for bids on the project.

Authorize the Finance Director to utilize \$50,000 of unobligated General Fund monies to advance funding to FY 17-18, from FY 18-19 in CIP Blackburn Talley Field Lighting Replacement project to provide net savings for the project.

Attachments:

1. Resolution
2. Location Map

Prepared by:

/s/ Benjamin K. Moody
Benjamin K. Moody
Deputy Public Works Director - Engineering

Submitted by:

/s/ Steven C. Kroeger
Steven C. Kroeger
City Manager

Reviewed by:

Department Head

DL

Finance

RB

City Attorney

TH by email

RESOLUTION NO. _____

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF YUBA CITY
APPROVING THE PLANS AND SPECIFICATIONS FOR THE BLACKBURN
TALLEY FIELD LIGHTING AND AUTHORIZING ADVERTISEMENT FOR BIDS
ON THE PROJECT.**

BE IT RESOLVED AND ORDERED by the City Council of the City of Yuba City that the plans and specifications for the Blackburn Talley Field Lighting be approved; and

BE IT FURTHER RESOLVED AND ORDERED by the City Council of the City of Yuba City that the Public Works Department is hereby authorized and directed to advertise for bids for the Blackburn Talley Field Lighting.

The foregoing resolution was duly and regularly introduced, passed, and adopted by the City Council of the City of Yuba City at a regular meeting thereof held on the 19th day of September 2017.

AYES:

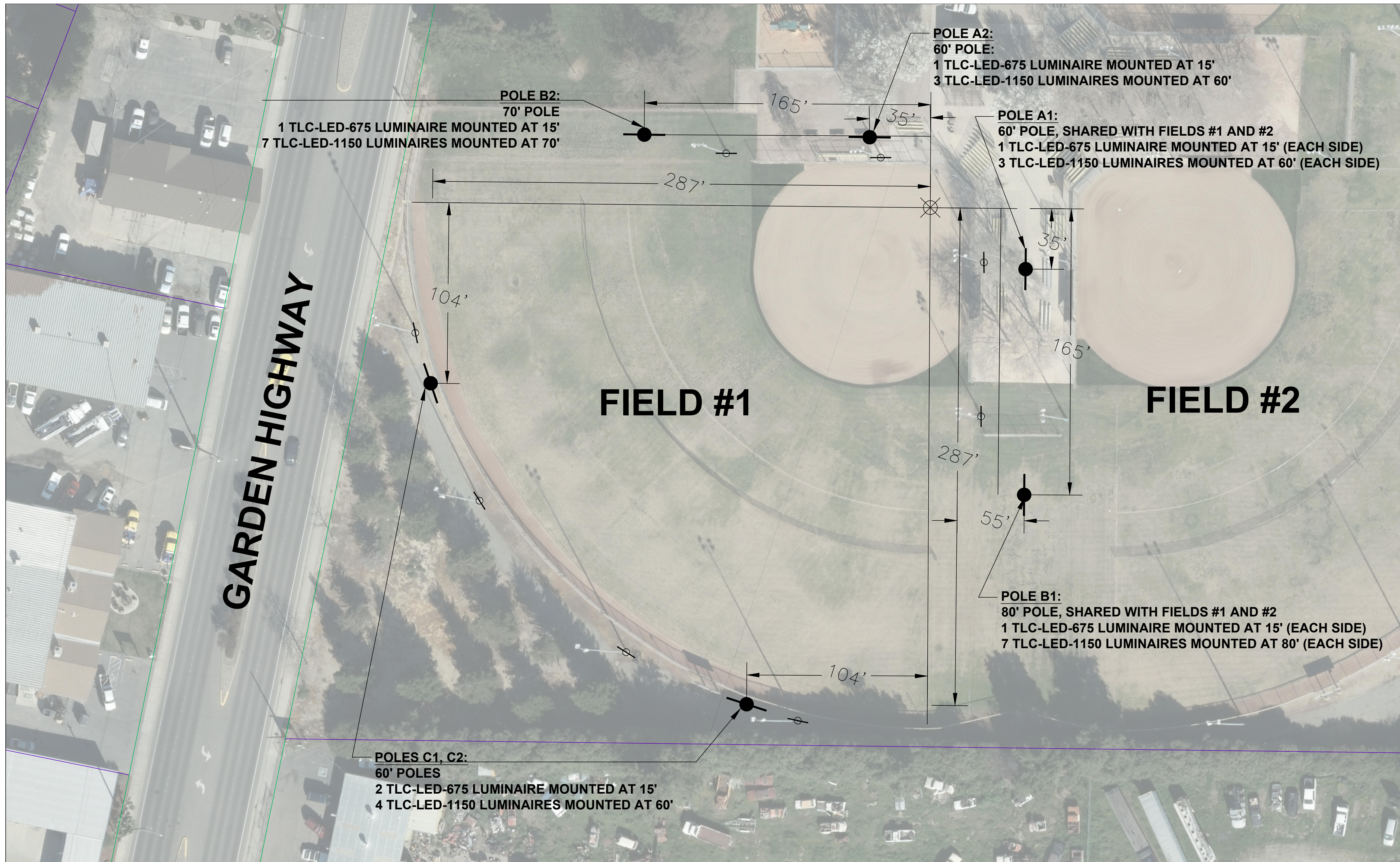
NOES:

ABSENT:

Stanley Cleveland Jr., Mayor

ATTEST:

Patricia Buckland, City Clerk



- LEGEND**
- NEW LIGHT POLE TO BE INSTALLED
 - ⊕ EXISTING LIGHT POLE TO BE REMOVED
 - ⊗ DISTANCE REFERENCE POINT

GARDEN HIGHWAY

FIELD #1

FIELD #2

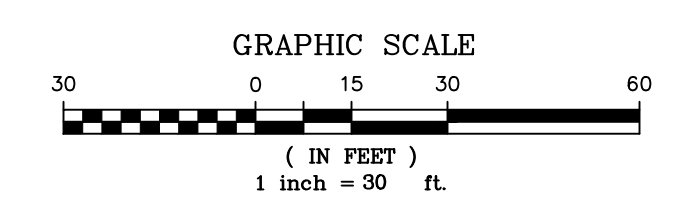
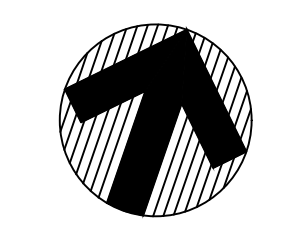
POLES C1, C2:
 60' POLES
 2 TLC-LED-675 LUMINAIRE MOUNTED AT 15'
 4 TLC-LED-1150 LUMINAIRES MOUNTED AT 60'

POLE B2:
 70' POLE
 1 TLC-LED-675 LUMINAIRE MOUNTED AT 15'
 7 TLC-LED-1150 LUMINAIRES MOUNTED AT 70'

POLE A2:
 60' POLE:
 1 TLC-LED-675 LUMINAIRE MOUNTED AT 15'
 3 TLC-LED-1150 LUMINAIRES MOUNTED AT 60'

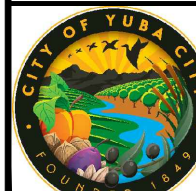
POLE A1:
 60' POLE, SHARED WITH FIELDS #1 AND #2
 1 TLC-LED-675 LUMINAIRE MOUNTED AT 15' (EACH SIDE)
 3 TLC-LED-1150 LUMINAIRES MOUNTED AT 60' (EACH SIDE)

POLE B1:
 80' POLE, SHARED WITH FIELDS #1 AND #2
 1 TLC-LED-675 LUMINAIRE MOUNTED AT 15' (EACH SIDE)
 7 TLC-LED-1150 LUMINAIRES MOUNTED AT 80' (EACH SIDE)



CITY of YUBA CITY

BLACKBURN TALLEY FIELD LIGHTING
 EXHIBIT A

	SUBMITTED BY: J. WOLFFE	DESIGN BY: JW	DRAWING No.
	1201 CIVIC CENTER BLVD. YUBA CITY, CA 95993 (530) 822-4632	DRAWN BY: JW CHECKED BY: STAFF DATE OF PLANS: 8-23-17	5408-D SHEET 1 OF 1 SHEETS