

Light Upgrades for Jarrell High School Athletic Fields



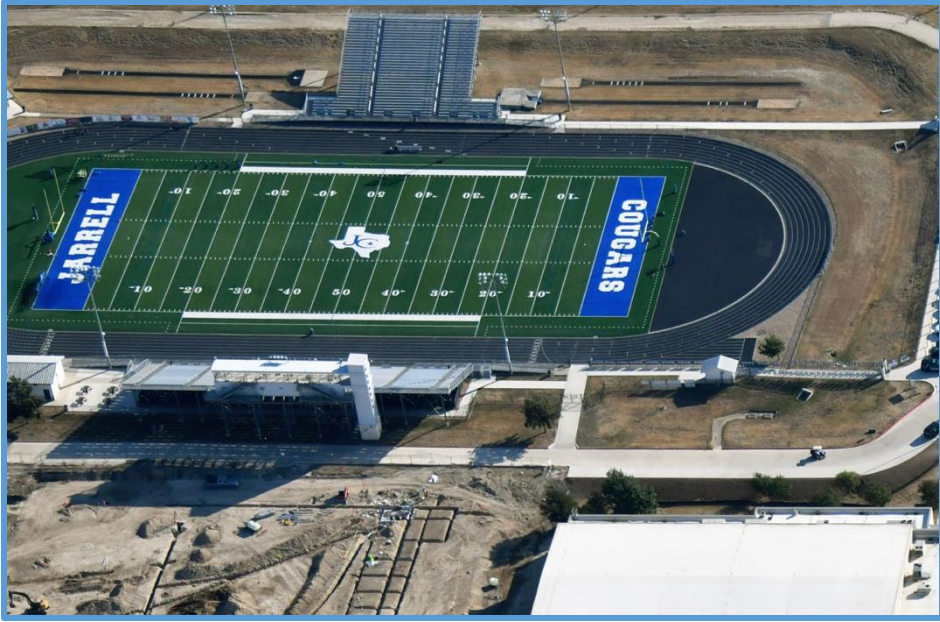
Stephen Dorman, P.E.

Vice-President, Sledge Engineering,

FIRST Report Public Hearing and Regular Board Meeting

December 17, 2025

JHS Athletic Fields



Cougar Stadium



Baseball / Softball Complex



Tennis Courts LED Lights
(2022 Install)



Information for Light Upgrades

Considerations:

- a) Improved lighting and visibility
- b) Bulb replacement cost (*see table*); ***LED lights last 5 times longer***
- c) Energy savings 50% to 70% with LED (***estimated \$33,000 annual savings at 50% savings***)
- d) Retrofit of all fields has 13-year payback based on **Total Cost**.
- e) Warranty – Reuse existing Musco Poles and add new LED lights provides extended warranty (***Baseball/Softball 10-year; Football 25-year***)

Bulb Replacement Cost per Fiscal Year	Cougar Stadium	Baseball / Softball
FY2021-2022	\$10,700.49	
FY2022-2023	\$1,115.00	
FY2023-2024	\$5,516.17	\$7,633.20
FY2024-2025	\$19,880.37	\$10,376.74
Subtotal =	\$37,212.03	\$18,009.95
TOTAL= \$55,222		
Average Annual Cost = \$14,000		

Recommendation for Light Upgrades

- Stadium = \$287,750 light system (*includes dimming & light show capability*) + \$21,200 for conduit & electrical from Press Box to all poles
- Baseball = \$210,850
- Softball = \$107,000
- **TOTAL COST = \$626,800** Based on 12/05/25 quote on quote from Musco

1. **Recommend approval of "Not to Exceed" of \$700,000 for Light Upgrades – JHS Athletic Fields funding via 2008, 2017, and 2023 Bond**
2. **Authorize the Superintendent to finalize vendor contract negotiations with Musco** (*procured through purchasing co-op*)



Jarrell
Independent School District