No.	



United Independent School District AGENDA ACTION ITEM

TOPIC Discussion/Action re: Installation of Lights at all High School Campuses Sports Fields			
SUBMITTED BY: Pat Campos, Bill Johnson and Ricardo Molina	OF:Board Members		
APPROVED FOR TRANSMITTAL TO SCHOOL BOARD:			
DATE ASSIGNED FOR BOARD CONSIDERATION: November 18, 2009			
RECOMMENDATION:			
It is recommended that the United ISD Board of Trustees approve the Installation of Lights at all High School Campuses Sports Fields			
RATIONALE:			
BUDGETARY INFORMATION:			
BOARD POLICY REFERENCE AND COMPLIANCE:			



UNITED INDEPENDENT SCHOOL DISTRICT

Enrique Rangel, P.E.
Assistant Superintendent for Facilities, Construction, and Student Services

MEMORANDUM

TO:

Eduardo Zuniga, Associate Superintendent for Student Support Services

FROM:

Enrique Rangel, P.E.

DATE:

November 5, 2009

SUBJECT:

Cost Estimate for Installation of Area Flood Lighting at All High School Practice Fields

The following is a cost estimate for the installation of area lighting for 17 athletic practice fields at all high schools with two options of lighting levels:

A.

OPTION 1: Initial Cost for Standard Efficiency Area Flood Lighting:

\$1,080,000.

Maintenance and Operating Cost 20-yr. life cycle:

\$1,230,000.

Total 20-yr Cost for Option 1:

\$2,310,000.

B.

OPTION 2: Initial Cost for Energy-Efficient Area Flood Lighting:

\$1,405,000.

Maintenance and Operating Cost 20-yr. life cycle:

\$ 720,000.

Total 20-yr. Cost for Option 2:

\$2,125,000.

C.

Additional Cost for Lighting

LBJ High School tennis courts:

\$ 55,000.

My recommendation is that we install at all sports practice fields a high energy-efficiency lighting system, even though it has a 30% higher initial installation cost, because it has a 40% lower annual maintenance and operating cost. Its higher electrical consumption efficiency and lower maintenance/replacement cost would result in a total cost avoidance of \$185,000 over a twenty-year use of the facilities. We could certainly design and bid the lighting systems with both options as alternate construction cost as part of the competitive procurement process.

If you need any further information, please let me know.