

CONCORD PUBLIC SCHOOLS

BIDDING DOCUMENTS: ADDENDA
for the purchase and installation of
FOOTBALL FIELD LIGHTING IMPROVEMENTS

Tuesday, September 29, 2020

Addenda. If it becomes necessary to revise any part of the Bidding Documents, by addition, deletion, clarification, or correction, notice of the revision will be emailed to those providing an Intent to Respond and otherwise available to all Bidders upon an appropriate request. The School District may, but shall not be required to, deliver addenda by regular mail or other method. All addenda shall become a part of the Bidding Documents. No Addenda shall be issued after the close of business one (1) day before the deadline for bid submission. Each Bidder bears responsibility for confirming prior to submitting a Bid that it has received all issued Addenda. To avoid miscommunication, each Bidder should acknowledge all addenda which it has received, but the failure of a Bidder to receive, or acknowledge receipt of any addendum shall not relieve the Bidder of the responsibility for complying with the terms thereof.

Addenda to Scope of Work

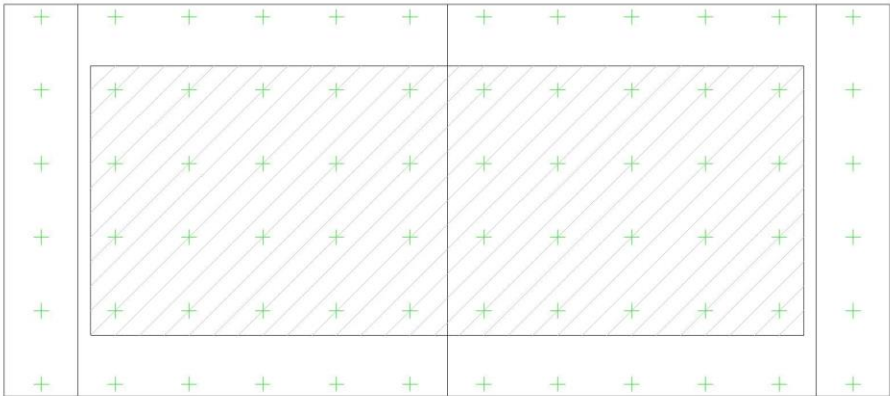
FOOTBALL FIELD LIGHTING IMPROVEMENTS

LIGHTING PERFORMANCE

Performance Requirements: Playing surfaces shall be lit to a target **average illuminance** and target **minimum illuminance** levels and uniformities as specified in the chart below. Horizontal lighting calculations shall be developed, and field measurements taken on the grid spacing with the minimum number of grid points specified below. Measured average illumination level shall be in accordance with IESNA RP-6-01.

Area of Lighting	Guaranteed Average Horizontal Light Levels	Maximum to Minimum Uniformity Ratio	Minimum Level – Entire Field	Critical Minimum Level	Grid Points	Grid Spacing
Football Field 360'x160'	50 FC	1.5:1	24 FC	50 FC (See Fig 1)	72	30' x 30'

Figure 1: Football Critical Minimum Zones (minimum 50 FC within the shadowed area below)



- The required system will utilize 1200w LED sports lighting fixtures.
- Spill Light: maximum horizontal light level 150' from track shall not exceed 0.5 foot-candles