



Facilities Management

3900 Bethel Drive
St. Paul, Minnesota
55112-6999
651.638.6200

July 15, 2021

Ms. Jessica Jagoe
Senior Planner
City of Arden Hills
1245 West Highway 96
Arden Hills MN 55112

Re: Bethel University Athletic Improvements- Scoreboard

Dear Jessica,

We appreciate your review of the Land Use Application we have submitted related to the replacement of our scoreboard at Royal Stadium. We look forward to meeting with the Planning Commission and City Council and receiving approval for the upgrades from the City on August 23rd.

As you have seen, the new scoreboard we are proposing includes video capabilities, including a dynamic display, which will be utilized for game-related uses, e.g. player introductions, game updates and play back, and interactive fan-prompts. The display will not be used for sponsorship or advertising purposes.

If you need any additional information or have questions, please do not hesitate to contact Michael Lindsey with Bethel University at 651-638-6346, email michael-lindsey@bethel.edu or Jay Pomeroy, Landscape Architect with Bolton & Menk at 763-544-7129, email jay.pomeroy@bolton-mnk.com.

Again, we look forward to working with you and the Planning Commission and City Council on this exciting project!

Respectfully,

A handwritten signature in black ink, appearing to read "Glenn Hofer".

Glenn Hofer
Director of Campus Maintenance, Construction & Operations
Bethel University

July 16, 2021

Ms. Jessica Jagoe, Sr. Planner
City of Arden Hills
1245 West Highway 96
Arden Hills, MN 55112

Re: Bethel University Athletic Improvements- Scoreboard

Dear Jessica,

Related to the Land Use Application, we are pleased to provide information specifically related to the City's "Permanent Scoreboard Sign" ordinances, described below. As a note, the height of the existing grandstand and press box, from pavement to top of press box, is 40'-6", higher than the proposed scoreboard.

Ordinance 1250.05:

The proposed permanent scoreboard at Bethel University's stadium meets or satisfies the requirements of City Ordinance 1250.05 generally as follows:

- The scoreboard will be utilized for game-related activities and not advertising or sponsorship (see letter from Bethel University attached as part of this submittal).
- The scoreboard will face the field of play, away from the neighbors to the south/ west, and not visible from adjacent public roadways.
- The scoreboard is similar to the scoreboards at Northwestern University and, more specifically, the digital display scoreboard at Mounds View High School stadium.

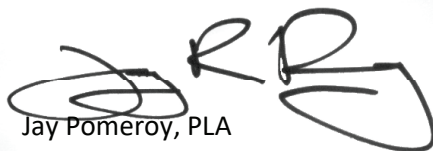
Ordinance 1250.06:

The proposed permanent scoreboard at Bethel University's stadium meets or satisfies the requirements of City Ordinance 1250.06 generally as follows:

- The permanent scoreboard field naming placard at the top of the scoreboard will be constructed of finished metal and include the words "Bethel University". The naming placard does not exceed 40% of the scoreboard area:
Total scoreboard size: 17'9" x 31'-6" = 559.125 square feet
Proposed naming placard size: 4' x 31'-6" = 126 square feet (or **22.5% of total area**)
- The permanent scoreboard naming placard has no associated internal or external lighting.

Sincerely,

Bolton & Menk, Inc.

A handwritten signature in black ink, appearing to read 'JP', is written over a light blue rectangular background. Below the signature, the name and title of the signatory are printed.

Jay Pomeroy, PLA

Principal Landscape Architect

Bolton & Menk response to Land Use Application Comments

Email from Jessica Jagoe (7/6)

In review of the submittal documents for the Bethel University scoreboard, I have a few follow-up items that I'm hoping you can assist with:

From the initial discussions, the City requested that the submission include decibel levels at the property line of current scoreboard and then what they will be with new scoreboard. Has this been verified? Please provide that data. **New Scoreboard Engineer Response (NEVCO): "The area indicated on the drawing is behind the direction that the scoreboard will be facing. Stadium Pro sound systems are commonly installed in residential areas, so the design includes an enclosure that completely surrounds the speakers with a 1" thick acoustic foam. The purpose of this foam is to reduce sound wave vibrations to the mechanical structure of the scoreboard display products, but also to dampen the sound waves leaving the rear of the display (where we don't want them). It's difficult to predict the exact decibel level that will penetrate the driver enclosure, the SP-1000 enclosure, and the acoustic foam, but it will be primarily isolated to lower frequency levels coming from the subwoofer. My best estimate would be 70 - 80 db at most."**

Bethel Response regarding Existing Scoreboard: "Decibel readings we took today – on the current PA system – max out at upper 70's at the property line, and then as you get closer to the audio source (press box) it climbs into the mid- to upper-80's. I didn't see 90's until I was standing on the bleachers almost right in front of the speakers / press box, and levels never reached 100dB. Again, I'm confident the new system (which will be aimed northeast from the scoreboard towards the home bleachers) will have less of an impact on the residents than our current system (which is aimed right at the Arden Oaks residents)."

- There was mentioned of a revised rendering more reflective of site foliage since the tree coverage is not as thick as shown in the illustration. With the rendering as submitted, please provide a few pictures that will illustrate view from adjacent parcels to scoreboard and scoreboard looking towards adjacent parcels. **Bolton & Menk Response: We have provided an illustrative graphic (Scoreboard Views) showing views from Bethel into the neighboring properties. Based on the location of the scoreboard, it appears there is adequate existing tree cover to screen the scoreboard from the neighbor's view. Ultimately, Bethel wants to be good neighbors and are willing to work with the city / neighbors.**
- Will there be new light poles with sound attached? If so, please provide manufacturer information for light poles and update site plan to show location of light poles with speakers. I had written in my discussion notes that there was consideration of having four (4) directed towards home grandstand and two (2) on the visitor side. **Bolton & Menk Response: No speakers are part of the new light poles.**
- The speaker dispersion sheet shows the scoreboard located in the center of the field, do you have an updated dispersal plan with scoreboard location shifted to the SW corner as proposed? **Bolton & Menk Response: The scoreboard is in a similar position to the sound dispersal graphic NEVCO has provided. NEVCO is not able to provide an updated graphic as this is a stock graphic, however the design team is confident the provided heat map graphic conveys the sound dispersal in a way that representative of the similar proposed scoreboard location.**

- Will there be brick or any other materials used as architectural elements for scoreboard (i.e. poles and/or scoreboard frame)? **Bolton & Menk Response: The support columns of the bleacher are intended to be steel I-Beams encased in brick. We have attached an exhibit showing the artistic treatment for the brick scoreboard columns. Please note the following, there will be three brick columns instead of the two shown on the artistic graphic provided by others.**
- Do you have manufacturer information that explains the proposed SP-1000 Stadium Pro Sound system? **Bolton & Menk Response: We are attaching a cut sheet with the SP1000 speaker information.**

I believe from our earlier discussions that the speakers were directional. It would be helpful as part of the submission for Bethel University to provide a narrative and any other supportive documentation that explains rationale for new placement of scoreboard and positioning of speaker(s) as to the intended improvement or reduced impacts to neighbors as a result of the new system. **Bolton & Menk Response: The SP1000 speakers are directional speakers. The intent is to aim the speakers at the home bleachers, so that sound travels away from the adjacent residences. Bethel and the design team expect this to be an improvement over the existing speakers which currently directs sound towards the residences.**

I would appreciate the above information being submitted by 4:30 on Thursday, July 8th for our continued evaluation of application completeness. If you have any additional questions, please let me know.

Sincerely,

Jessica Jagoe

Senior Planner

City of Arden Hills

1245 West Highway 96

Arden Hills, MN 55112

Office Phone: (651) 792-7810

Email: jjagoe@cityofardenhills.org

