

CITY COUNCIL AGENDA REQUEST FORM

Today's date: 12 / 10 / 19

Date of meeting 12 / 18 / 19

(City Council meetings are held the 1st and 3rd Wednesday of each month.)

Name of Elected Official, City Employee, Organization, or Citizen making request:

Dan Tadic, PE, City Engineer / Kim Woodruff, Parks & Recreation Director

Address: 1123 Lake Street

Phone number and email address: 208.263.3577 / dtadic@sandpointidaho.gov

Authorized by: Amanda Wilson

name of City official

City official's signature

Subject: War Memorial Field Improvements - Natural Infill Selection

Summary of what is being requested: Council approval of the recommended natural infill product for the new artificial playing surface at War Memorial Field.

The following information MUST be completed before submitting your request to the City Clerk:

1. Would there be any financial impact to the city? Yes No Budgeted? Yes No
If yes, in what way? Design and construction will be funded through the 1% Local Option Tax

2. Name(s) of any individual(s) or group(s) that will be directly affected by this action:

Athletic teams, Festival, Community Members

Have they been contacted?
Yes or No

Yes

3. Is there a need for a general public information or public involvement plan? **Yes or No**

If yes, please specify and suggest a method to accomplish the plan: Yes

Samples with selection matrix were displayed at City Hall during the week of 12/9/19; Site plans will be posted on the City website and social media at each design milestone leading up to final bid docs

4. Is an enforcement plan needed? Yes No Additional funds needed? Yes No

5. Have all the affected divisions been informed about this agenda item? Yes No

This form must be submitted no later than 5:00pm Tuesday the week prior to the meeting. All pertinent documentation for the Council packet must be included.

ITEMS WILL NOT BE AGENDIZED WITHOUT THIS FORM

**CITY OF SANDPOINT
AGENDA REPORT**

DATE: December 10, 2019

TO: MAYOR AND CITY COUNCIL

FROM: Dan Tadic, P.E. City Engineer/Kim Woodruff Parks & Recreation Director

SUBJECT: Natural Infill Selection, War Memorial Field Improvements

DESCRIPTION/BACKGROUND:

In 2015, Sandpoint City voters passed a 1% Local Option Sales Tax (LOT) to fund improvements at War Memorial Field. As approved by voters, the priorities for the LOT are:

- Priority one: War Memorial Field Grandstand project as designed by Sewell & Associates;
- Priority two: Replace drainage and field surface at War Memorial Field;
- Priority three: Repair and replacement of War Memorial Field infrastructure; and
- Priority four: Improve parks infrastructure

Priority one improvements including the grandstand project and other infrastructure upgrades, allowed under priority three, were completed in 2017. While the grandstand and infrastructure improvements were being made, a field surface review committee was formed and met for 1 ½ years to consider field turf options. This work began with review of an initial turf option cost study in 2015. Two public meetings and a Council workshop were held in 2018 to discuss field options. There was no clear committee or community consensus as a result of these efforts relative to a turf preference.

A significant issue that was identified throughout the discussions and analysis was the lack of availability/playability of War Memorial Field and other fields at the Sports Complex due to our weather conditions and the needed recovery time for a natural surface from the use related to an activity such as The Festival at Sandpoint. A final decision was delayed to allow for revenues collected from the LOT to be collected and a broader parks & recreation master planning effort to begin.

In April 2019, the City of Sandpoint contracted with GreenPlay LLC to lead a broad Parks & Recreation Master Plan effort. This effort was to include site-specific designs for five properties: City Beach and Downtown Waterfront, War Memorial Field, Sports Complex (Travers, Centennial & Great Northern) and the City-owned Watershed.

GreenPlay and its subcontractor Bernardo Wills Architects conducted an updated field analysis and feasibility review of the turf at War Memorial Field and the Sports Complex as part of their scope of work. They also held several focus group, stakeholder and community meetings to inform their design concepts. As a result of these efforts, GreenPlay and Bernardo Wills Architects developed a design concept for War Memorial Field that was presented to the community and Sandpoint City Council at their meeting on October 2nd.

This design concept incorporated their recommendation of an artificial turf field and other site improvements to maximize usability of the park space (including water access/recreation) and reduce impacts on the neighborhood. It was noted during GreenPlay's presentations that the diverse activities of the Festival at Sandpoint and sports play on a natural surface, particularly given the short period of transition time of 1 – 3 weeks, were incompatible for appropriate maintenance, safety and health of a natural field surface. On October 16th, 2019, the City Council considered the factors presented, as well public input, and ultimately, approved the design concept with artificial turf field and other improvements. The associated staff report included a proposed project schedule and preliminary cost estimates.

On November 20, 2019, City Council approved a Professional Services Agreement with Bernardo Wills Architects to complete design services for the Memorial Field to include an artificial playing surface (contemplating only natural infill options), parking and other related improvements. The final design of the field improvements is scheduled to be completed by February of 2020 with a subsequent construction contract award in March of 2020. It is contemplated in the agreement that multiple construction bid packages may be required. The field construction timeframe is planned in a manner to accommodate The Festival at Sandpoint (Festival) by July 31, 2020 and playable use of the fields in August.

Immediately following contract award, the design team conducted a series of meetings with stakeholders to include high school athletic coaches and other school district staff, Festival Board members, and City Staff, to include field maintenance personnel, to validate and refine the concept design. These efforts culminated in a public meeting on the evening of November 26 where concepts were presented and public feedback was received. The design team is currently working to incorporate public feedback into a 30% design deliverable anticipated to be available around Christmas. This site plan will be made available to Council and the public shortly thereafter. The project is currently on schedule.

A critical early decision in the design process is the selection of a natural infill product. To aid in the evaluation and selection, a matrix was developed to allow comparison of natural infill options (see attached). Included in the matrix are a comparison of heat reduction, added maintenance, ease of cleaning, warranty, and costs among other variables. The matrix and product samples were displayed at City Hall for the public viewing beginning December 12, 2019. They will remain on display through the City Council meeting on December 18. Upon a detailed discussion of the matrix, Staff (to include field maintenance personnel) and the design team unanimously recommend natural rubber and cork infill.

STAFF RECOMMENDATION:

Staff recommends approval of the recommended natural rubber and cork infill for incorporation into the construction bid documents for the War Memorial Field Improvements project.

Staff and the design team feel that this surface will provide the best balance of all the variables considered and result in the best product for all the various users at War Memorial Field.

ACTION:

Move to approve the Staff recommendation of natural rubber and cork infill for the War Memorial Field Improvements project.

WILL THERE BE ANY FINANCIAL IMPACT? Yes HAS THIS ITEM BEEN BUDGETED? Yes

Design and construction will be funded through the 1% Local Option Tax

ATTACHMENTS:

Resolution
War Memorial Field Natural Infill Selection Matrix

No: 19-
Date: December 18, 2019

RESOLUTION
OF THE CITY COUNCIL
CITY OF SANDPOINT

TITLE: WAR MEMORIAL FIELD NATURAL INFILL SELECTION

WHEREAS: On November 20, 2019, City Council approved a Professional Services Agreement with Bernardo Wills Architects to complete design services for War Memorial Field, to include an artificial playing surface (contemplating only natural infill options), parking, and other related improvements;

WHEREAS: The final design of the field improvements is scheduled to be completed by February of 2020, with a subsequent construction contract award in March of 2020 and a field construction timeframe planned in a manner to accommodate The Festival at Sandpoint by July 31, 2020, and playable use of the fields in August;

WHEREAS: A critical early decision in the design process is the selection of a natural infill product;

WHEREAS: Comparing natural infill options for heat reduction, added maintenance, ease of cleaning, warranty, and costs, among other variables, the design team and City staff, including field maintenance personnel, unanimously chose and recommend natural rubber and cork infill, believing that it will provide the best balance of all variables considered and result in the best product for all of the various users at War Memorial Field; and

WHEREAS: Samples of the recommended option, as well as other options considered, were displayed at City Hall for the public beginning December 12, 2019.

NOW, THEREFORE, BE IT RESOLVED THAT: The recommended natural rubber and cork infill option is hereby approved for incorporation into the construction bid documents for the War Memorial Field Improvements project.

Shelby Rognstad, Mayor

ATTEST:

Melissa Ward, City Clerk

YES NO ABSTAIN ABSENT

1. Eddy
2. Aitken
3. Williamson
4. Ruehle
5. Aispuro
6. Darling

War Memorial Field | Sandpoint, Idaho



Alternative Infill Technologies for Artificial Turf

* All options require pad to meet shock reduction and maintain safety regulations

| | INFILL TYPE | HEAT REDUCTION | ADDED MAINTENANCE | EASE OF CLEANING | WARRANTY | ADVANTAGES | DISADVANTAGES | COST/S.F. |
|---|--|--|---|--|------------------|--|--|-----------------------------|
| 1 | Natural Rubber & Cork - Natural Rubber/Cork  | YES • Reportedly reduces surface heat compared to SBR Rubber Naturally • Reduces field temperature up to 10 degrees • With ambient moisture - up to 40 degrees | NO • No reported special maintenance requirements | EASY TO MODERATE • Cleans with water • Permanent soiling requires removal and replacement of affected area | 8-12 Yrs. | • Natural Material/Renewable • Low Maintenance • Good Drainage - Highly Permeable • High UV Stability • Good MFG Warranties • Does Not Require Irrigation • Natural Color Appearance • Good Resiliency and playability - will not biodegrade • Non-Toxic - no chemical combination • No weed or mold growth | • Proprietary Formulations for Quality • Only one Northwest Region Location - West Coast, Washington State | \$2.39 (\$348,580 total) |
| 2 | Cellulose Fibers - Recycled Paper and Sand/Pea Gravel  | YES • Reportedly reduces surface heat compared to SBR Rubber Naturally • Reduced field temperature up to 45 degrees compared to SBR Rubber with ambient moisture | NO • No reported special maintenance requirements | MODERATE • Highly absorbent - water alone may not fully clean product • Permanent soiling requires removal and replacement of affected area. | 8-12 Yrs. | • Natural Material/Renewable • Non-Toxic/Recycled Paper Cellulose • Materials • High UV Stability and Resiliency • Less Flyout • Does Not Require Irrigation • Not as Prone to Migration • Can be reused with Turf replacement • No weed or mold growth | • Higher Cost - Materials • Relatively Little Test Analysis as Turf Infill • Proprietary Formulations for Quality | \$3.05 (\$444,842 total) |
| 3 | Cork - Cork/Sand Mix  | YES • Reportedly reduces surface heat compared to SBR Rubber Naturally • Reduced field temperature 10-15 degrees | YES • Can displace easier in high activity areas compared to SBR Rubber* | EASY TO MODERATE • Cleans with water • Permanent soiling requires removal and replacement of affected area | 8 Yrs. | • Natural Material/Renewable • Natural Color and Appearance • Good Resiliency, Low Abrasion • Common Use in W. Washington, Europe • Good Availability • Does not require irrigation for optimal performance | • Has been reported to potentially Plug and Affect Drainage • Surfaces can freeze creating hard fields in Freezing Climates • Floats - Do Not Use in Flood Prone Areas • Fly Out/Migration Prone - heavy winds can move cork • Fibers Cling with Static Charge, but diminishes over time | \$2.55 (\$371,917 total) |
| 4 | Olive Pits/Walnut Shells  | YES • Reportedly reduces surface heat compared to SBR Rubber Naturally | NO • No reported special maintenance requirements | EASY TO MODERATE • Cleans with water • Permanent soiling requires removal and replacement of affected area | 8 Yrs. | • Natural Material/Renewable • Natural Color and Appearance • Good Resiliency - Moderate Abrasion • Low Flyout/Migration • UV Resistant • Readily Available • Low Maintenance | • Reported to potentially Plug and Affect Drainage • Potential for Weed and Mold Growth - offset with Coated Sand • Limited History of Use • No Northwest Regional Fields | \$3.15 (\$459,427 total) |
| 5 | Corkonut - Coconut Fiber and Cork Infill  | YES • Reportedly reduces surface heat compared to SBR Rubber Naturally • Claims of up to 40 degrees cooler - But must be kept watered to achieve this result | YES • Requires top dressing of entire area every 3-4 yrs due to natural product breakdown | MODERATE TO CHALLENGING • Product is naturally absorbent • Water alone may not fully clear • Permanent soiling requires removal and replacement of affected area | 8 Yrs. | • Natural Material/Renewable • Natural Color and Appearance, similar characteristics to natural turf • Low Abrasion - UV Resistant • Less prone to Flyout/Migration than Cork Alone • Used extensively in Europe • Readily Available products | • Requires Irrigation System for Optimal Use and Performance and Heat Reduction. • Higher Maint. Cost, Shorter Life Cycle, Product Naturally Degrades - Replenish Every 3-4 Yrs. • Must Be Kept Moist for Best Performance. • More Grooming Required Due to Compaction • Freezes - Potential for Hard Fields in Freezing Climates (needs salt treatment to prevent freezing) • Potential for Weed and Mold Growth • No Northwest Regional Fields • LIMITED Resiliency | \$2.95 (\$430,257 total) |
| 6 | Wood - Wood Infill (Brock)  | YES • Reportedly reduces surface heat compared to SBR Rubber Naturally • Up to 20 degrees cooler than SBR Rubber • Claims of up to 40 degrees with adequate moisture | NO • No reported special maintenance requirements | MODERATE TO CHALLENGING • Product is naturally absorbent • Water alone may not fully clear • Permanent soiling requires removal and replacement of affected area | 10 Yrs. | • Natural Material/Renewable • Southern Yellow Pine • Low Flyout/Migration • Irrigation Not Necessary But Will Increase Performance • Similar characteristics to natural turf | • Reported to potentially Plug and Affect Drainage • Freezes - Hard Fields in Freezing Climates • Potential for Weed Growth • Limited Availability - QC Currently an Issue Reportedly • Floats - Do Not Use in Flood Prone Areas • Untested in Pacific NW - Used in California • Can Stain with Food Products • Some reports of higher abrasion | \$2.56 (\$373,376 total) |