

STAFF REPORT

Date: September 27, 2023

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Construction Services Agreement with Atkins, North America, Inc., for the Boynton Slough Slope Stabilization Project in an amount not to exceed \$234,518. (Sewer Fund)

From: David Lake, Associate Civil Engineer

Department: Utility Services

Summary:

Boynton Slough (Dry Creek), a City maintained channel, is experiencing bank erosion within sections that run along the eastern side of the Reno-Tahoe International Airport (RTIA). The erosion is damaging the adjacent maintenance access road and security fencing along the airport's eastern property line. Stabilization of these failing channel sections is a priority to prevent further erosion and a possible breach of the airport security fencing. The Boynton Slough Slope Stabilization Project will repair and armor the damaged sections of this channel. Atkins, North America, Inc. (Atkins), will provide construction management services for the Boynton Slough Slope Stabilization Project, which includes construction and permit compliance, surveying, construction inspection, materials testing, and record drawings. Staff recommends Council approve the contract with Atkins in an amount not to exceed \$234,518.

Alignment with Strategic Plan:

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

January 12, 2022 – Council approved a Consultant Agreement with Atkins, for the Boynton Slough Slope Stabilization Project design in the amount not to exceed \$306,290.

Background:

Dry Creek enters the RTIA at the southeast corner of the property, and exits through a culvert under Longley Lane, just north of Perro Lane. Numerous channel sections are unstable with eroding banks encroaching toward adjacent airport maintenance roads and destabilizing airport security fencing. The City of Reno is responsible for maintaining the Dry Creek/Boynton

Slough channel through the airport. The City of Reno completed a Dry Creek bank stabilization project along the southeast corner of RTA from Peckham Lane to just south of Tesco Technologies in December 2022.

Discussion:

Approximately 2600 feet of Boynton Slough, along the southeast section of the RTIA east-west runway, eroded during flood events in early 2017, encroaching into the adjacent airport security fencing. Construction of bank stabilization measures along this area is needed to protect the fence and adjacent access road. Project location and limits are shown in Figure 1 below.

Figure 1. Project location and limits



City of Reno, NV
Department of Public Works
Source: Public Works Enterprise GIS Portal

Public Works Map

Disclaimer: This map data is for general reference only and is subject to continuous change and updates. The entire risk as to quality, performance and usefulness of this map data rests with the user.

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Portions of the north and south channel banks are encroaching into the adjacent airport maintenance road and destabilizing the airport security fence along the eastern property boundary. Channel bank erosion encroaching into the airport security fence can be seen in Figure 2 below.

Figure 2. Erosion encroaching toward airport security fencing



Atkins will be providing construction management services for the construction of this priority project.

Financial Implications:

Funding for this project will be provided from the Sewer Fund as identified in the FY23/24 Capital Improvement Program.

Legal Implications:

Legal review was completed for compliance with City procedures and Nevada law.

Recommendation:

Staff recommends Council approve the Construction Services Agreement with Atkins in an amount not to exceed \$234,518 and authorize the Mayor to Sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

Atkins' Construction Services Agreement (PDF)