



Brevard County Board of County Commissioners

2725 Judge Fran Jamieson
Way
Viera, FL 32940

Legislation Text

File #: 3158, **Version:** 1

Subject:

Request the Board of County Commissioners to authorize full construction of the US192 Solid Waste Management Facility, as a Class III solid waste disposal facility.

Fiscal Impact:

Estimated at \$35,000,000

\$5,000,000 is currently approved in FY2020-2021 Budget

\$20,000,000 anticipated in FY 2022-2023 Budget

\$10,000,000 anticipated in FY 2023-2024 Budget

Dept/Office:

Solid Waste Management Department

Requested Action:

It is requested that the Board of County Commissioners authorize the Solid Waste Management Department to coordinate and proceed with all reasonable and prudent speed to start and complete construction of the US192 Solid Waste Management Facility including the scale-house and first landfill cell. It is also requested that the Board approve any Budget Change Requests that may arise from this project and authorize bidding, award of contract, and execution of construction contracts by the Chair of all aspects of construction of the project.

Summary Explanation and Background:

Over the last two years during numerous meetings, the Board has considered various concerns and matters associated with the permitting and construction of the US192 Class III landfill. The two most recent such meetings were on January 12 and May 18 of this year. At the meeting on January 12, 2021, the Board authorized the Solid Waste Management Department to sign the Army Corps Environmental Resources Permit (ERP) and continue with permitting and design of the US192 Project, but did not authorize any construction activities. On May 18, 2021 the Board authorized the Solid Waste Management Department to notify Deseret Ranch of upcoming construction and to initiate construction of the US192 Facility, excluding construction of the scale-house and the class III landfill cell. Solid Waste sent notification to Deseret and the entire project design team are proceeding with preparation of final plans, and acquiring all associated required permits, to comply

with Board direction in both of the referenced meetings.

It was previously reported to the Board that, based on March 2020 aerial topography and historical waste disposal rates, the Sarno Road Class III Landfill would reach full capacity in January 2023. However, using aerial topography flown in April 2021, combined with revised and updated rates of waste disposal, the County's consultants have estimated that the Sarno Landfill can now be expected to reach full capacity by October 2022. When the Sarno landfill can no longer accept waste, the Sarno transfer station and Household Hazardous Waste Collection Center will both continue operations bringing Class I and Class III waste to the Central Disposal Facility (CDF) Class I facility.

In an effort to extend the life of the Sarno landfill, the Solid Waste Management Department is currently diverting selected Class III waste to the transfer station to be disposed at the Central Disposal Facility, and is preparing an Invitation to Bid for contracted waste hauling services to supplement the existing transfer fleet. Over the past 20 years, the Solid Waste Management Department has made multiple modifications to extend the life of the Sarno Class III landfill including, most recently, the aforementioned waste diversion.

Option 1: Construction of the US192 Solid Waste Management Facility Including Scale-House and Cell

As stated previously, the Sarno Road Class III Landfill is now anticipated to reach full capacity by October 2022. This engineering estimate does not consider any potential additional waste to be generated from a major storm during the 2021 or 2022 hurricane seasons. As such, the ability to construct a replacement Class III landfill to serve the south portion of the County has increased in urgency. The Solid Waste Management Department is requesting authorization from the Board of County Commissioners to include construction of the scale-house and first landfill cell to the construction activities previously authorized by the Board in May 2021. Currently, improvements to US192 and the solid waste facility entranceway are scheduled to begin in August 2021. A fencing contractor is being procured and installation of the fence to separate the southern Phase I portion of the property from the northern portion is scheduled to begin in October 2021 with completion expected to be in December 2021. Completion of these two construction activities will allow for all additional Phase I construction projects to occur on the property. Deseret Ranch was notified of upcoming construction activities on May 19, 2021, giving them more than the 120 days required to vacate the property as was stipulated in the 2017 Settlement Agreement.

Earthwork on the property, which includes dredging and filling, stormwater structures, piping, and ditching, is currently scheduled to begin in January 2022 and will last approximately 8 months. Utilities installation, including sewer, water, leachate force main and storage tanks, electric and fiber optics, is scheduled to begin in October 2022 and will last approximately 12 months. Scale-house and road construction is scheduled to begin in October 2022 and last approximately 12 months. Construction of the Class III landfill cell is scheduled to begin in February 2023 and last approximately 12 months. It is anticipated that the US192 Solid Waste Management Facility will be ready to accept Class III waste by January 2024. Staff and the consulting team are aggressively attempting to accelerate this schedule whenever and where ever reasonably possible. An example of this effort was recently approved by the Board to approve using Public Works Road and Bridge Construction to construct the driveway and other infrastructure for the landfill associated with improvements in US 192.

This schedule is recommended by staff because the efforts to extend the life of the Sarno Landfill by diverting some of the waste streams to the CDF Class I facility come at a cost to truck the material to the CDF, they are less effective use of the available and more costly Class I landfill space at the CDF, and the operation inside the Sarno transfer station is less efficient. These interim added expenses are costlier than the US192 facility will be when completed, as reported in earlier Board meetings.

To meet the schedule described above and to minimize the referenced costs, Board approval to proceed with construction is needed.

Permits Obtained by Brevard County

FDEP Solid Waste Construction Permit

FDEP Solid Waste Operation Permit

FDEP Environmental Resource Permit

Army Corps of Engineers Environmental Resource Permit

Federal Aviation Administration Permits

Florida Department of Transportation Drainage Connection Exemption

Permits Applied for and Pending Approval

Florida Department of Transportation Driveway Improvement Permit (August 2021)

Brevard County Site Plan Approval (October 2021)

Applications Forthcoming

FDEP NPDES Permit (not necessary for construction, just operation of constructed facility)

Option 2: Other direction by the Board.

Attachments:

March 23, 2019 Florida Recyclers Report

April 4, 2019 US192 Project History Report

January 5, 2021 Report to the Board containing information obtained while investigating the potential acquisition of the Florida Recyclers (Melbourne Landfill) facility

January 12, 2021 Cost Comparison Options

Clerk to the Board Instructions: