



# Agenda Report

2725 Judge Fran Jamieson  
Way  
Viera, FL 32940

## Consent

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F.8.

12/21/2021

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### **Subject:**

Standardization of Public Works Department/Road & Bridge Equipment - Countywide

### **Fiscal Impact:**

Over the last five years the County has spent an approximately \$1.4 million annually on this type of equipment. The benefits of standardizing are as outlined below.

### **Dept/Office:**

Public Works Department/Road & Bridge

### **Requested Action:**

It is requested the Board of County Commissioners approve the updated standardized equipment list for Public Works Road & Bridge equipment, parts and service. It is requested the Board approval of the updated standardized equipment list remain valid for up to five (5) years.

It is also requested that standardized equipment available from only a single vendor is approved as a sole source and would not be competitively bid. If the standardized equipment is available from more than one vendor, it will be competitively bid; however, should the lowest bid received not be more competitive than an existing State, Florida Sheriffs Association or other Florida Government Cooperative Bid, the Board authorizes the County Manager to reject all bids in favor of purchasing from the State, Florida Sheriffs Association or other Florida Government Cooperative Bid.

Lastly, it is requested the Board authorize the County Manager to approve any necessary Budget Change Requests.

### **Summary Explanation and Background:**

The Brevard County Public Works Department/Road & Bridge currently administers an inventory of heavy equipment with an estimated replacement value of \$25.3 million. Included are items such as dump trucks, graders, backhoes, loaders, excavators and pumps. When purchasing new equipment, as part of a larger team, the Road & Bridge Heavy Equipment Supervisor diligently works to seek the best value for the tax-paying public. This is accomplished through procuring equipment not solely based on price, but based on other considerations as well, such as reviewing historical records for equipment uptime, operating and repair costs, durability, function, and safety. When looking at new equipment, he performs thorough market research, considers repair familiarity and the skillset of existing mechanics, parts availability, support from vendors, reliability, and the resale value as well. He also confers with acquisition staff, field equipment operators, and other County technical experts before ultimately receiving Program Manager and Department Director approvals. These factors are all important when reviewing the value of a piece of equipment over the life of its operation vice only considering the initial cost. Furthermore, additional savings and benefits are realized

through standardization by:

- Limiting the value and quantity of highly specialized inventory parts
- Focusing staff training to the repair and maintenance of standardized equipment
- Limiting the requirements for specialized tools and equipment to perform repair and maintenance

BCC-25 provides for standardization when it is determined to be more cost-effective and in the best interest of the County, when \$100,000 or above and not previously authorized. Equipment being purchased is/will typically be approved in the annual budget. Any vehicle/equipment purchase in excess of \$100,000 not approved as part of the annual budget process will be submitted to the Board for approval prior to purchasing. The Board previously approved the Road & Bridge standardized equipment lists in 2006, 2011 and 2016. Past approvals were also only sought for five years. As staff prepared for the 2021 standardization request, several updates were identified to meet current and future operational needs. In summary, these updates are as follows and have been reviewed with the County Central Fleet Manager for concurrence:

- Replace Menzi Muck with Kaiser walking excavator

Previously, Menzi Muck was the only available piece of equipment that could closely meet the County's requirements. However, it was not well suited or designed to be used as needed, which led to frequent downtime and safety issues. Now, Kaiser is the only walking excavator on the market specifically designed to meet the County's requirements. By way of example, unlike the Menzi Muck, the Kaiser has a high mounted electrical panel/circuit board which allows for it to safely operate in up to 6 feet of water. The unique cab design also allows for on-site repairs. The County currently owns three Kaiser walking excavators, the first one was acquired in late 2016. They have significantly improved our level of service, allowed us to successfully operate in places never previously attempted with the Menzi Muck, and the maintenance uptime is significantly higher.

- Add Global Regenerative-Air Street Sweepers

Unlike other street sweepers, the Global "R" brand offers a "purpose-built" chassis vice being retrofitted, which allows for compact design and exceptional maneuverability. They are engineered for ease of use and maintenance and have a front, center-mount, and high visibility cab for safety. They also have a single-engine design which includes low fuel consumption and low operating noise levels. These features provide for far less maintenance and provide much better continuity of service.

- Add HAMM roller

These "oscillating" rollers are used for compacting road base in residential areas to mitigate the threat of damage to surrounding homes and fixtures. The HAMM roller can also be used as a "vibratory" roller when conditions allow. The County owns two HAMM rollers, acquired in 2012 and 2015, and has in stock miscellaneous parts. Currently, the HAMM roller is the only manufacturer of the "oscillation" compaction system.

- Expand the Caterpillar brand to include the following heavy equipment:
  - Road Reclaimers will be utilized to maintain dirt roads.

- Asphalt Pavers will be utilized to repair road shoulders, pedways, and utility cuts.

The attached equipment list was updated from the 2016 approved list to reflect the above changes.

**Clerk to the Board Instructions:**

None



Kimberly Powell, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001  
Fax: (321) 264-6972  
Kimberly.Powell@brevardclerk.us

December 22, 2021

**M E M O R A N D U M**

**TO:** Marc Bernath, Public Works Director

**RE:** Item F.8., Standardization of Public Works Department/ Road and Bridge Equipment – County Wide

The Board of County Commissioners, in regular session on December 21, 2021, authorized the updated standardized equipment list for Public Works Road and Bridge equipment, parts, and service; authorized the equipment list to remain valid up to five (5) years; authorized standardized equipment made available by a single vendor to be approved as a sole source and not be competitively bid; authorized standardized equipment available from more than one source be competitively bid; authorized the County Manager to reject all bids in favor of purchasing from the State, Florida Sheriffs Association or other Florida Government Cooperative Bid, if the lowest bid received is not more competitive than existing State, Florida Sheriffs Association, or other Florida Government Cooperative Bid; and authorized the County Manager to approve any necessary Budget Change Requests.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS  
RACHEL M. SADOFF, CLERK

*Kimberly Powell*  
Kimberly Powell, Clerk to the Board

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## Road & Bridge Equipment Standardization

Brand	Equipment
Mack	Tandom/Tri-Axle Dump Trucks
Gradall	Wheeled Excavators
Caterpillar	Motor Graders
	Wheel Loaders
	Loader Backhoes
	Road Reclaimers
	Asphalt Pavers
Kobelco	Hydraulic Excavators
Kaiser	Walking Excavators
Complete	4", 6", and 8" Trash Pumps
	Well Point Pumps
	Hydraulic Pumps
Massey Ferguson	Heavy Agricultural Tractors
John Deere	Light Agricultural Tractors & Mowers
Bush Hog	Heavy Agricultural Mowers
Sthil	Power Tools
Kubota	Heavy Agricultural Tractors & Mowers
Thompson Pump	4" Double Diaphragm Pumps
	Well Point & Trash Pumps
Holland Pump	Hydraulic Pumps
Alamo	Vertical Mowers
Terrain King	Vertical Mowers
Freightliner	Medium Duty Dump Trucks
HAMM	"Oscillitating" Rollers
Global	Regenerative-Air Street Sweepers