



ENGINEERING & OPERATIONS DEPARTMENT

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TRANSPORTATION DESIGN BULLETIN 21-16

DATE: July 23, 2021

TO: County Director of Capital Programs Department,
County Manager of Construction Services,
Division Director of Transportation Maintenance,
County Project Managers and Project Engineers of Record

FROM: County Engineer,
County Director of Engineering & Operations Department,
County Director of Technical Services Division,
County Manager of Transportation Services Section

COPIES: County Director of Geospatial & Land Acquisition Services Department

SUBJECT: PROHIBITION OF PHOSPHOGYPSUM IN ROAD CONSTRUCTION

This bulletin announces the prohibition of the use of Phosphogypsum in the construction of all Hillsborough County Roads.

REQUIREMENTS

The Board of County Commissioners (BOCC) Policy: Section Number 09.21.00.00. "Prohibition of Phosphogypsum in Roadway Construction" dated May 5, 2021 **prohibits** the use of Phosphogypsum in the construction of all roads within the Hillsborough County right-of-way.

Pending a Specification change and a technical requirement change for road construction, this Design Bulletin serves to prohibit phosphogypsum in road construction including all the road elements that are within the Hillsborough County right-of-way.

BACKGROUND

The Environmental Protection Agency (EPA) has restricted the reuse of phosphogypsum since at least 1989 due to health and environmental concerns. The byproduct is currently stored on land in large stacks scattered throughout the state with some existing in Hillsborough County. On October 14, 2020, EPA approved a request from The Fertilizer Institute to allow phosphogypsum to be used in government road construction projects. On December 18, 2020, environmentally concerned organizations sent a petition to reconsider the use of phosphogypsum in road

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construction. Effective June 30, 2021, the EPA withdrew previously granted conditional approval to use phosphogypsum in government road construction projects.

Hillsborough County utilizes the Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Currently, The Florida Department of Transportation (FDOT) specifications do not allow for the use of phosphogypsum in any road pavement materials. On May 5, 2021, the BOCC set a policy to clarify that the use of this material is not allowed for Hillsborough County's Roads, attached as Page 3.

IMPLEMENTATION

Effective Immediately.

CONTACT

Please use the email link below to address any questions or comments in reference to this Design Bulletin:

[PW-Standards Inquiry](#)

Recommended / Date:

Approved / Effective Date:

Leland Dicus, Professional Engineer
Technical Services Division Director

Michael J. Williams, Professional Engineer
County Engineer

**BOARD OF COUNTY COMMISSIONERS
HILLSBOROUGH COUNTY
TAMPA, FLORIDA 33601**

BOCC POLICY: SECTION NUMBER 09.21.00.00

**SUBJECT: PROHIBITION OF PHOSPHOGYPSUM
IN ROADWAY CONSTRUCTION**

EFFECTIVE DATE: May 5, 2021

SUPERSEDES: New

PURPOSE:

To prohibit the use of phosphogypsum in roadway construction.

POLICY:

It is the policy of the Board of County Commissioners to prohibit the use of phosphogypsum in any roadway construction within Hillsborough County.

RESPONSIBILITY:

It is the responsibility of the Public Works Administration and Development Services Department to implement and carry out this restriction via specifications and technical requirements for road construction within unincorporated Hillsborough County.

Approved: Board of County Commissioners

Approval Date: May 5, 2021