



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

March 27, 2012

Via E-mail

Mr. A. William Stein
Chief Financial Officer & Chief Investment Officer
Digital Realty Trust, Inc.
560 Mission Street, Suite 2900
San Francisco, CA 94105

**Re: Digital Realty Trust, Inc.
Digital Realty Trust, L.P.
Form 10-K for the fiscal year ended December 31, 2011
Filed February 28, 2012
File Nos. 001-32336 and 000-54023**

Dear Mr. Stein:

We have reviewed your filing and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter within ten business days by amending your filing, by providing the requested information, or by advising us when you will provide the requested response. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing any amendment to your filing and the information you provide in response to these comments, we may have additional comments.

Form 10-K for the Year Ended December 31, 2011

General

1. Please advise us whether management considers net operating income and/or same store net operating income as key performance indicators. We may have further comments.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

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In responding to our comments, please provide a written statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

If you have any questions, you may contact Eric McPhee at (202) 551-3693 or me at (202) 551-3486.

Sincerely,

/s/ Daniel L. Gordon

Daniel L. Gordon
Branch Chief