Dreyfus Municipal Bond Infrastructure Fund, Inc. Form N-Q July 23, 2015

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

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-22784

Dreyfus Municipal Bond Infrastructure Fund, Inc. (Exact name of Registrant as specified in charter)

c/o The Dreyfus Corporation

200 Park Avenue

New York, New York 10166 (Address of principal executive offices) (Zip code)

John Pak, Esq.

200 Park Avenue

New York, New York 10166 (Name and address of agent for service)

Registrant's telephone number, including area code: (212) 922-6000

Date of fiscal year end: 2/28

Date of reporting period: 5/31/15

FORM N-Q

Item 1. Schedule of Investments.

STATEMENT OF INVESTMENTS

Dreyfus Municipal Bond Infrastructure Fund Inc.

May 31, 2015 (Unaudited)

Long-Term Municipal	Coupon	Maturity	Principal	
Investments142.3%	Rate (%)	Date	Amount (\$)	Value (\$
Alabama1.4%				
Alabama Public School and College				
Authority, Capital Improvement				
Revenue	5.00	1/1/26	1,500,000	1,797,765
Jefferson County,				
Sewer Revenue Warrants	0.00	10/1/50	2,500,000 a	1,592,900
Arizona6.1%				
Phoenix Industrial Development				
Authority, Education Facility				
Revenue (BASIS Schools, Inc.				
Projects)	5.00	7/1/45	2,000,000 b	2,004,620
Pima County Industrial Development				
Authority, Education Revenue				
(American Charter Schools				
Foundation Project)	5.63	7/1/38	3,085,000	2,919,150
Pima County Industrial Development				
Authority, Education Revenue				
(Arizona Charter Schools				
Refunding Project)	5.38	7/1/31	4,450,000	4,652,653
Salt Verde Financial Corporation,				
Senior Gas Revenue	5.00	12/1/37	5,000,000	5,586,450
California11.0%				
California Statewide Communities				
Development Authority, Revenue				
(California Baptist University)	6.38	11/1/43	2,035,000	2,309,053
Golden State Tobacco				
Securitization Corporation,				
Tobacco Settlement				
Asset-Backed Bonds	5.75	6/1/47	8,000,000	6,864,080
Long Beach Bond Finance Authority,				
Natural Gas Purchase Revenue	5.50	11/15/37	5,000,000	5,906,700
Riverside County Transportation				

Commission, Senior Lien Toll				
Revenue	5.75	6/1/44	3,250,000 c	3,691,123
San Buenaventura,				
Revenue (Community Memorial				
Health System)	7.50	12/1/41	2,500,000	3,048,850
University of California Regents,				
Medical Center Pooled Revenue	5.00	5/15/43	5,000,000	5,528,100
Colorado3.3%				
City and County of Denver,				
Airport System Subordinate				
Revenue	5.25	11/15/43	5,000,000 c	5,467,350
Colorado Health Facilities				
Authority, Revenue (Sisters of				
Charity of Leavenworth Health				

System)	5.00	1/1/44	2,500,000	2,758,475
District of Columbia8%				
District of Columbia,				
Revenue (Knowledge is Power				
Program, District of Columbia				
Issue)	6.00	7/1/43	1,700,000	1,973,156
Florida3.8%				
Broward County,				
Airport System Revenue	5.00	10/1/42	3,750,000 c	4,093,350
Davie,				
Educational Facilities Revenue				
(Nova Southeastern University				
Project)	5.63	4/1/43	4,805,000	5,359,929
Illinois3.9%				
Chicago,				
Customer Facility Charge				
Senior Lien Revenue (Chicago				
O'Hare International Airport)	5.75	1/1/43	3,750,000 c	4,207,013
Chicago,				
GO (Project and Refunding				
Series)	5.00	1/1/36	3,000,000	2,851,830
University of Illinois Board of				
Trustees, Auxiliary Facilities				
System Revenue (University of				
Illinois)	5.00	4/1/44	2,500,000	2,746,950
Indiana6.9%				
Indiana Finance Authority,				
HR (The King's Daughters'				
Hospital and Health Services)	5.50	8/15/40	7,425,000	8,050,927
Indiana Finance Authority,				
Private Activity Bonds (Ohio				
River Bridges East End				
Crossing Project)	5.00	7/1/40	5,000,000	5,275,250
Indiana Finance Authority,				
Revenue (Baptist Homes of				
Indiana Senior Living)	6.00	11/15/41	3,500,000	3,895,920
lowa3.1%				
Iowa Finance Authority,				
Midwestern Disaster Area				

Revenue (Iowa Fertilizer				
Company Project)	5.25	12/1/25	7,000,000	7,801,780
Kentucky1.1%				
Louisville/Jefferson County Metro				
Government, Health System				
Revenue (Norton Healthcare,				
Inc.)	5.75	10/1/42	2,370,000	2,680,328
Louisiana3.1%				
Louisiana Public Facilities				
Authority, Dock and Wharf				
Revenue (Impala Warehousing				
LLC Project)	6.50	7/1/36	2,000,000 b,c	2,317,080
New Orleans,				

Sewerage Service Revenue	5.00	6/1/44	2,000,000	2,183,180
New Orleans,				
Water Revenue	5.00	12/1/34	1,000,000	1,107,610
New Orleans,				
Water Revenue	5.00	12/1/44	2,000,000	2,184,960
Massachusetts4.2%				
Massachusetts Development Finance				
Agency, Revenue (North Hill				
Communities Issue)	6.50	11/15/43	2,000,000 b	2,173,240
Massachusetts Port Authority,				
Special Facilities Revenue				
(Delta Air Lines, Inc.				
Project) (Insured; AMBAC)	5.00	1/1/27	8,210,000	8,229,704
Michigan9.9%				
Detroit,				
Water Supply System Senior				
Lien Revenue	5.25	7/1/41	2,250,000	2,384,370
Kent Hospital Finance Authority,				
Revenue (Metropolitan Hospital				
Project)	6.25	7/1/40	5,750,000	5,763,282
Michigan Finance Authority,				
HR (Trinity Health Credit				
Group)	5.00	12/1/39	5,000,000	5,512,450
Michigan Finance Authority,				
Local Government Loan Program				
Revenue (Detroit Water and				
Sewerage Department, Sewage				
Disposal System Revenue Senior				
Lien Local Project Bonds)				
(Insured; Assured Guaranty				
Municipal Corp.)	5.00	7/1/30	1,500,000	1,666,425
Michigan Finance Authority,				
Local Government Loan Program				
Revenue (Detroit Water and				
Sewerage Department, Water				
Supply System Revenue Senior				
Lien Local Project Bonds)				
(Insured; National Public				
Finance Guarantee Corp.)	5.00	7/1/36	2,250,000	2,412,878

Michigan Tobacco Settlement

Finance Authority, Tobacco

Settlement Asset-Backed Bonds 6.00 6/1/34 5,000,000 4,409,750

Wayne County Airport Authority,

Airport Revenue (Detroit

Metropolitan Wayne County

Airport) (Insured; Build

America Mutual Assurance

Company) 5.00 12/1/39 2,250,000 c 2,517,053

Missouri--2.3%

Missouri Health and Educational

Facilities Authority,

Educational Facilities Revenue

(Saint Louis College of Pharmacy)	5.50	5/1/43	2,000,000	2,175,020
Saint Louis County Industrial	3.30	3/1/43	2,000,000	2,173,020
Development Authority, Senior				
Living Facilities Revenue				
(Friendship Village Sunset				
Hills)	5.00	9/1/42	3,500,000	3,652,215
New Jersey4.9%	0.00	o, ., .=	0,000,000	0,002,210
New Jersey Economic Development				
Authority, Private Activity				
Revenue (The Goethals Bridge				
Replacement Project)	5.38	1/1/43	2,500,000	2,730,600
New Jersey Economic Development			,,	
Authority, Special Facility				
Revenue (Continental Airlines,				
Inc. Project)	5.13	9/15/23	2,500,000 c	2,741,425
New Jersey Economic Development				
Authority, Special Facility				
Revenue (Continental Airlines,				
Inc. Project)	5.25	9/15/29	4,500,000 c	4,910,085
Tobacco Settlement Financing				
Corporation of New Jersey,				
Tobacco Settlement				
Asset-Backed Bonds	5.00	6/1/41	2,330,000	1,791,886
New York17.8%				
Deutsche Bank Spears/Lifers Trust				
(Series DBE-1177) Recourse				
(Metropolitan Transportation				
Authority, Transportation				
Revenue)	5.00	11/15/38	15,000,000 b,c,d	16,617,300
New York City Industrial				
Development Agency, PILOT				
Revenue (Queens Baseball				
Stadium Project) (Insured;				
AMBAC)	5.00	1/1/36	8,000,000	8,198,640
New York Liberty Development				
Corporation, Revenue (3 World				
Trade Center Project)	5.00	11/15/44	3,500,000 b	3,584,770
New York State Dormitory				

Authority, Revenue (Saint				
John's University)	5.00	7/1/44	2,000,000	2,203,780
New York State Dormitory				
Authority, State Personal				
Income Tax Revenue (General				
Purpose)	5.00	3/15/32	5,000,000	5,728,200
Niagara Area Development				
Corporation, Solid Waste				
Disposal Facility Revenue				
(Covanta Energy Project)	5.25	11/1/42	7,870,000 b	8,144,742
Ohio6.6%				
Buckeye Tobacco Settlement				
Financing Authority, Tobacco				

Settlement Asset-Backed Bonds	6.25	6/1/37	7,000,000	6,108,060
Muskingum County,				
Hospital Facilities Revenue				
(Genesis HealthCare System				
Obligated Group Project)	5.00	2/15/44	7,000,000	7,243,880
Southeastern Ohio Port Authority,				
Hospital Facilities				
Improvement Revenue (Memorial				
Health System Obligated Group				
Project)	6.00	12/1/42	3,000,000	3,228,540
Pennsylvania10.9%				
Clairton Municipal Authority,				
Sewer Revenue	5.00	12/1/37	4,000,000	4,265,160
Clairton Municipal Authority,				
Sewer Revenue	5.00	12/1/42	1,500,000	1,589,445
Deutsche Bank Spears/Lifers Trust				
(Series DBE-1179) Recourse				
(Pennsylvania Turnpike				
Commission, Motor License				
Fund-Enhanced Turnpike				
Subordinate Special Revenue)	5.00	12/1/42	13,000,000 b,c,d	14,313,378
Montgomery County Industrial				
Development Authority, Revenue				
(Whitemarsh Continuing Care				
Retirement Community Project)	5.25	1/1/40	1,500,000	1,516,260
Pennsylvania Turnpike Commission,				
Motor License Fund-Enhanced				
Turnpike Subordinate Special				
Revenue (Insured; Assured				
Guaranty Municipal Corp.)	5.00	12/1/42	5,000,000 c	5,426,000
South Carolina2.9%				
South Carolina Jobs-Economic				
Development Authority, Health				
Facilities Revenue (The				
Lutheran Homes of South				
Carolina, Inc.)	5.13	5/1/48	1,750,000	1,798,195
South Carolina Public Service				
Authority, Revenue Obligations				
(Santee Cooper)	5.13	12/1/43	5,000,000	5,536,300

Texas--17.0%

Austin Convention Enterprises,				
Inc., Convention Center Hotel				
First Tier Revenue (Insured;				
XLCA)	5.00	1/1/34	5,000,000	5,069,500
Clifton Higher Education Finance				
Corporation, Education Revenue				
(IDEA Public Schools)	6.00	8/15/43	1,500,000	1,792,170
Clifton Higher Education Finance				
Corporation, Revenue (Uplift				
Education)	4.25	12/1/34	2,000,000	1,943,120
Deutsche Bank Spears/Lifers Trust				
(Series DBE-1182) Recourse				

(Dallas and Fort Worth, Joint				
Improvement Revenue				
(Dallas/Fort Worth				
International Airport))	5.00	11/1/45	15,000,000 b,c,d	15,841,650
JPMorgan Chase Putters/Drivers				
Trust (Series 4314)				
Non-recourse (Tarrant County				
Cultural Education Facilities				
Finance Corporation, HR				
(Baylor Health Care System				
Project))	5.00	11/15/20	7,410,000 b,d	8,117,052
North Texas Education Finance				
Corporation, Education Revenue				
(Uplift Education)	5.13	12/1/42	3,000,000	3,234,630
North Texas Tollway Authority,				
Second Tier System Revenue	5.00	1/1/38	2,000,000 c	2,184,580
Texas Transportation Commission,				
Central Texas Turnpike System				
First Tier Revenue	5.00	8/15/41	2,500,000 c	2,694,075
Texas Transportation Commission,				
Central Texas Turnpike System				
Second Tier Revenue	5.00	8/15/42	1,500,000 c	1,600,230
Virginia7.6%				
Lexington Industrial Development				
Authority, Residential Care				
Facilities Mortgage Revenue				
(Kendal at Lexington)	5.50	1/1/37	5,400,000	5,505,786
Virginia Small Business Financing				
Authority, Senior Lien Revenue				
(95 Express Lanes LLC Project)	5.00	1/1/40	7,640,000 c	8,023,757
Virginia Small Business Financing				
Authority, Senior Lien Revenue				
(Elizabeth River Crossing				
Opco, LLC Project)	5.50	1/1/42	5,000,000 c	5,445,900
Washington2.2%				
Washington Health Care Facilities				
Authority, Revenue (Providence				
Health and Services)	5.00	10/1/42	5,000,000	5,454,450
Wisconsin9.4%				

Public Finance Agency of Wisconsin, Senior Airport Facilities Revenue (Transportation Infrastructure Properties, LLC Obligated 5.00 Group) 7/1/42 5,000,000 c 5,294,750 Public Finance Authority of Wisconsin, Senior Living Revenue (Rose Villa Project) 4.50 11/15/20 1,510,755 1,500,000 Wisconsin Health and Educational Facilities Authority, Revenue (Aurora Health Care, Inc.) 5.25 4/15/35 5,487,600 5,000,000 Wisconsin Health and Educational

Facilities Authority, Revenue				
(Beaver Dam Community				
Hospitals, Inc.)	5.25	8/15/34	5,700,000	6,032,481
Wisconsin Health and Educational				
Facilities Authority, Revenue				
(Sauk-Prairie Memorial				
Hospital, Inc. Project)	5.38	2/1/48	5,000,000	5,198,600
U.S. Related2.1%				
Guam Waterworks Authority,				
Water and Wastewater System				
Revenue	5.50	7/1/43	3,000,000	3,401,340
Puerto Rico Commonwealth,				
Public Improvement GO				
(Insured; Assured Guaranty				
Municipal Corp.)	5.00	7/1/35	1,750,000	1,744,435
Total Investments (cost \$331,996,554)			142.3 %	355,006,426
Liabilities, Less Cash and Receivables			(12.3 %)	(30,575,075)
VMTPS, at liquidation value			(30.0 %)	(75,000,000)
Net Assets Applicable to Common Shareholders			100.0 %	249,431,351

VMTPS - Variable Rate Municipal Term Preferred Shares

- a Zero coupon until a specified date at which time the stated coupon rate becomes effective until maturity.
- b Securities exempt from registration pursuant to Rule 144A under the Securities Act of 1933. These securities may be resold in transactions exempt from registration, normally to qualified institutional buyers. At May 31, 2015, these securities were valued at \$73,113,832 or 29.3% of net assets applicable to Common Shareholders.
- c At May 31, 2015, the fund had \$107,386,099 or 43.1% of net assets applicable to Common Shareholders invested in securities whose payment of principal and interest is dependent upon revenues generated from transportation.
- d Collateral for floating rate borrowings.

At May 31, 2015, net unrealized appreciation on investments was \$23,009,872 of which \$24,617,315 related to appreciated investment securities and \$1,607,443 related to depreciated investment securities. At May 31, 2015, the cost of investments for federal income tax purposes was substantially the same as the cost for financial reporting purposes.

Summary of Abbreviations

ABAG	Association of Bay Area Governments	ACA	American Capital Access
AGC	ACE Guaranty Corporation	AGIC	Asset Guaranty Insurance Company
AMBAC	American Municipal Bond Assurance Corporation	ARRN	Adjustable Rate Receipt Notes
BAN	Bond Anticipation Notes	BPA	Bond Purchase Agreement
CIFG	CDC Ixis Financial Guaranty	COP	Certificate of Participation

CP	Commercial Paper	DRIVER	Derivative Inverse Tax-Exempt Receipts	
EDR	Economic Development Revenue	EIR	Environmental Improvement Revenue	
FGIC	Financial Guaranty Insurance Company	FHA	Federal Housing Administration	
FHLB	Federal Home Loan Bank	FHLMC	Federal Home Loan Mortgage Corporation	
FNMA	Federal National Mortgage Association	GAN	Grant Anticipation Notes	
GIC	Guaranteed Investment Contract	GNMA	Government National Mortgage Association	
GO	General Obligation	HR	Hospital Revenue	
IDB	Industrial Development Board	IDC	Industrial Development Corporation	
IDR	Industrial Development Revenue	LIFERS	Long Inverse Floating Exempt Receipts	
LOC	Letter of Credit	LOR	Limited Obligation Revenue	
LR	Lease Revenue	MERLOT	Municipal Exempt Receipts Liquidity Option Tender	
MFHR	Multi-Family Housing Revenue	MFMR	Multi-Family Mortgage Revenue	

PCR	Pollution Control Revenue	PFLOAT	Puttable Floating Option Tax-Exempt Receipts	
PILOT	Payment in Lieu of Taxes	PUTTERS	Puttable Tax-Exempt Receipts	
RAC	Revenue Anticipation Certificates	RAN	Revenue Anticipation Notes	
RAW	Revenue Anticipation Warrants	RIB	Residual Interest Bonds	
ROCS	Reset Option Certificates	RRR	Resources Recovery Revenue	
SAAN	State Aid Anticipation Notes	SBPA	Standby Bond Purchase Agreement	
SFHR	Single Family Housing Revenue	SFMR	Single Family Mortgage Revenue	
SONYMA	State of New York Mortgage Agency	SPEARS	Short Puttable Exempt Adjustable Receipts	
SWDR	Solid Waste Disposal Revenue	TAN	Tax Anticipation Notes	
TAW	Tax Anticipation Warrants	TRAN	Tax and Revenue Anticipation Notes	
XLCA	XL Capital Assurance			

The following is a summary of the inputs used as of May 31, 2015 in valuing the fund's investments:

		Level 3 -				
	Level 1 - Unadjusted	Level 2 - Other Significant	Significant Unobservable			
Assets (\$) Investments in Securities:	Quoted Prices	Observable Inputs	Inputs	Total		
Municipal Bonds+	-	355,006,426	-	355,006,426		

⁺ See Statement of Investments for additional detailed categorizations.

The Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") is the exclusive reference of authoritative U.S. generally accepted accounting principles ("GAAP") recognized by the FASB to be applied by nongovernmental entities. Rules and interpretive releases of the Securities and Exchange Commission ("SEC") under authority of federal laws are also sources of authoritative GAAP for SEC registrants. The fund's financial statements are prepared in accordance with GAAP, which may require the use of management estimates and assumptions. Actual results could differ from those estimates.

Portfolio valuation: The fair value of a financial instrument is the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (i.e. the exit price). GAAP establishes a fair value hierarchy that prioritizes the inputs of valuation techniques used to measure fair value. This hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

Additionally, GAAP provides guidance on determining whether the volume and activity in a market has decreased significantly and whether such a decrease in activity results in transactions that are not orderly. GAAP requires enhanced disclosures around valuation inputs and techniques used during annual and interim periods.

Various inputs are used in determining the value of the fund's investments relating to fair value measurements. These inputs are summarized in the three broad levels listed below:

Level 1—unadjusted quoted prices in active markets for identical investments.

Level 2—other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.).

Level 3—significant unobservable inputs (including the fund's own assumptions in determining the fair value of investments).

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. Changes in valuation techniques may result in transfers in or out of an assigned level within the disclosure hierarchy. Valuation techniques used to value the fund's investments are as follows: Investments in securities are valued each business day by an independent pricing service (the "Service") approved by the fund's Board. Investments for which quoted bid prices are readily available and are representative of the bid side of the market in the judgment of the Service are valued at the mean between the quoted bid prices (as obtained by the Service from dealers in such securities) and asked prices (as calculated by the Service based upon its evaluation of the market for such securities). Other investments (which constitute a majority of the portfolio securities) are carried at fair value as determined by the Service, based on methods which include consideration of the following: yields or prices of municipal securities of comparable quality, coupon, maturity and type; indications as to values from dealers; and general market conditions. All preceding securities are categorized as Level 2 in the hierarchy.

When market quotations or official closing prices are not readily available,

or are determined not to reflect accurately fair value, such as when the value of a security has been significantly affected by events after the close of the exchange or market on which the security is principally traded (for example, a foreign exchange or market), but before the fund calculates its net asset value, the fund may value these investments at fair value as determined in accordance with the procedures approved by the fund's Board. Certain factors may be considered when fair valuing investments such as: fundamental analytical data, the nature and duration of restrictions on disposition, an evaluation of the forces that influence the market in which the securities are purchased and sold, and public trading in similar securities of the issuer or comparable issuers. These securities are either categorized as Level 2 or 3 depending on the relevant inputs used.

For restricted securities where observable inputs are limited, assumptions about market activity and risk are used and are categorized as Level 3 in the hierarchy.

Inverse Floater Securities: The fund participates in secondary inverse floater structures in which fixed-rate, tax-exempt municipal bonds are transferred to a trust. The trust subsequently issues two or more variable rate securities that are collateralized by the cash flows of the fixed-rate, tax-exempt municipal bonds. One or more of these variable rate securities pays interest based on a short-term floating rate set by a remarketing agent at predetermined intervals. A residual interest tax-exempt security is also created by the trust, which is transferred to the fund, and is paid interest based on the remaining cash flow of the trust, after payment of interest on the other securities and various expenses of the trust.

Additional investment related disclosures are hereby incorporated by reference to the annual and semi-annual reports previously filed with the Securities and Exchange Commission on Form N-CSR.

Item 2. Controls and Procedures.

- (a) The Registrant's principal executive and principal financial officers have concluded, based on their evaluation of the Registrant's disclosure controls and procedures as of a date within 90 days of the filing date of this report, that the Registrant's disclosure controls and procedures are reasonably designed to ensure that information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the required time periods and that information required to be disclosed by the Registrant in the reports that it files or submits on Form N-Q is accumulated and communicated to the Registrant's management, including its principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure.
- (b) There were no changes to the Registrant's internal control over financial reporting that occurred during the Registrant's most recently ended fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Registrant's internal control over financial reporting.

Item 3. Exhibits.

(a) Certifications of principal executive and principal financial officers as required by Rule 30a-2(a) under the Investment Company Act of 1940.

FORM N-Q

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the Registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dreyfus Municipal Bond Infrastructure Fund, Inc.

By: /s/ Bradley J. Skapyak

Bradley J. Skapyak

President

Date: July 20, 2015

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this Report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

By: /s/ Bradley J. Skapyak

Bradley J. Skapyak

President

Date: July 20, 2015

By: /s/ James Windels

James Windels

Treasurer

Date: July 20, 2015

EXHIBIT INDEX

(a) Certifications of principal executive and principal financial officers as required by Rule 30a-2(a) under the Investment Company Act of 1940. (EX-99.CERT)