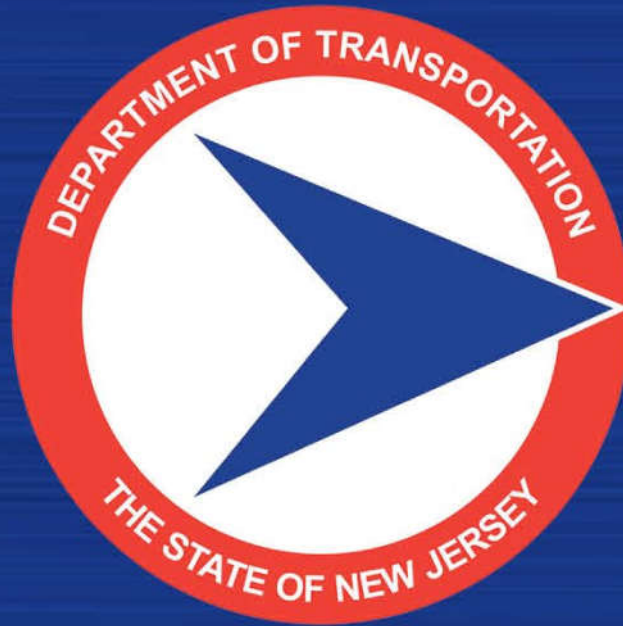


**Discoveries in
the First Year of
the NJDOT's
Digitization
Project ...**



**and an
Introduction
to the
Research
Library**

Presented by Eric Schwarz, NJDOT Research Librarian
March 8, 2024 (originally presented February 22, 2024)

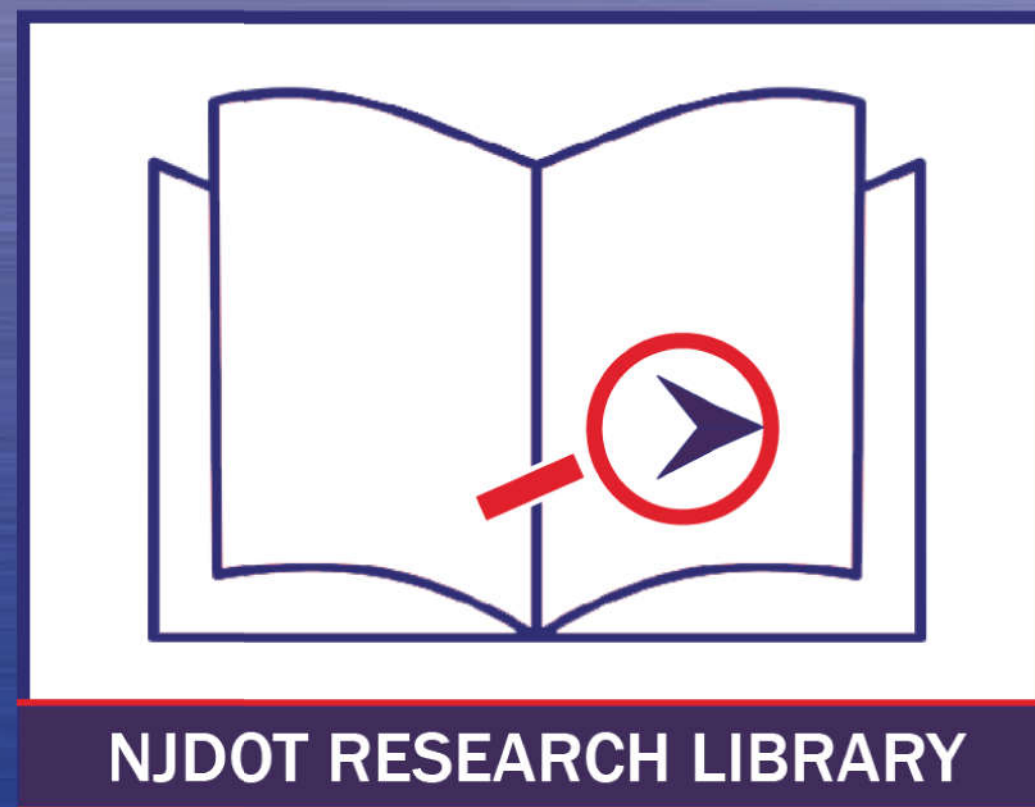
NEW JERSEY DEPARTMENT OF TRANSPORTATION





NJDOT Research Library

- Provides resources to plan, design, construct, and maintain a high-quality transportation system.
- Part of the Bureau of Research, Innovation & Information Transfer since 1962.
- Founded in 1943 or 1944.





Reference and Research Services

- Job-related research.
- Examples: Roundabouts, highway histories, crash analysis models, mobility justice.
- Books/materials from our own collection, from the NJ State Library, interlibrary loan.
- Some services/materials are available to other state government employees and the public.





Accessing the Library

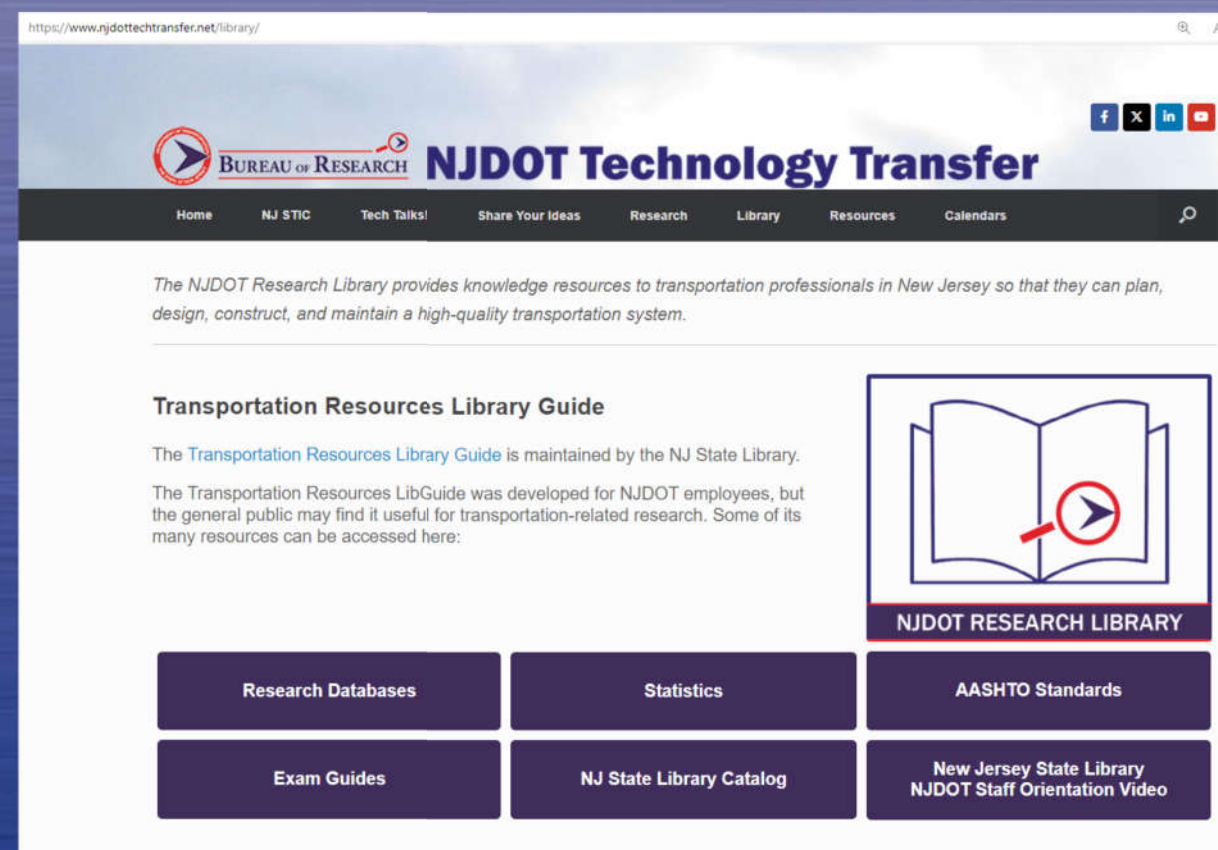
- Location: Main Office Building, 2nd Floor, Ewing HQ
- Open 8 a.m. to 3:30 p.m.
- library@dot.nj.gov
- 609-963-1898
- Staffed by Eric Schwarz, MLIS





Technology Transfer Website

- Library page on site highlights resources.
- Did You Know? articles on research topics.



[njdottechtransfer.net/library](https://www.njdottechtransfer.net/library/)

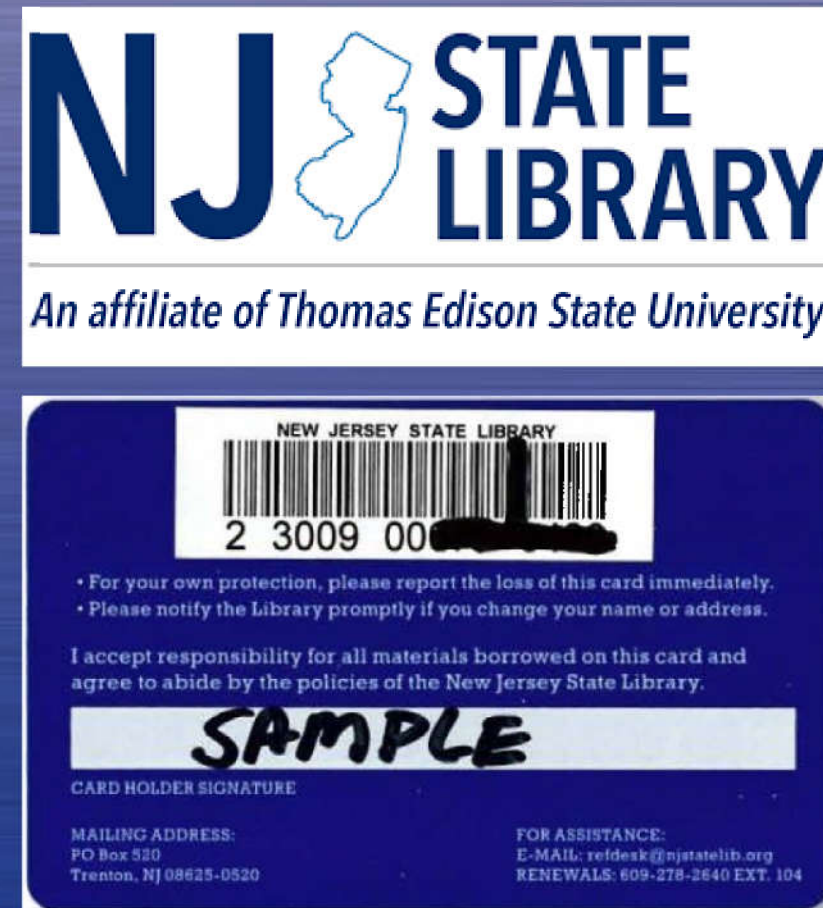




State Library Borrowing and Services

- Materials can be found in the NJ State Library catalog and sent to the NJDOT Library or picked up in Trenton.
- E-book materials.
- Interlibrary loan services.
- Reference services.

njstatelib.org



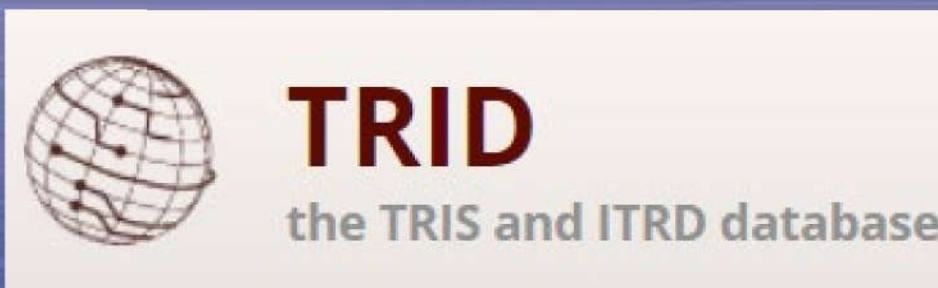
**NJ State
Library Card**





TRB Resources

- TRID
- Snap Searches, Hot Topics, Thesaurus
- Transportation Research Record
- TRB RFPs
- Cooperative Research Program reports






Additional Research Databases

- Bureau of Transportation Statistics
- ROSA-P
- Newspaper databases



Miles of public road 2021	Miles of freight railroad 2021	Bridges 2022	Miles of inland waterway 2018
38,781	1,087	6,805	360
MPOs 2024	Public use airports 2023	Principal water ports 2020	Border ports of entry None
3	4	2	



ASTM Compass

- Consists of standards from ASTM's Book of Standards and other sources.
- More than 80,000 documents from ASTM, as well as 2,277 documents from AASHTO and 471 from the American Welding Society (AWS).



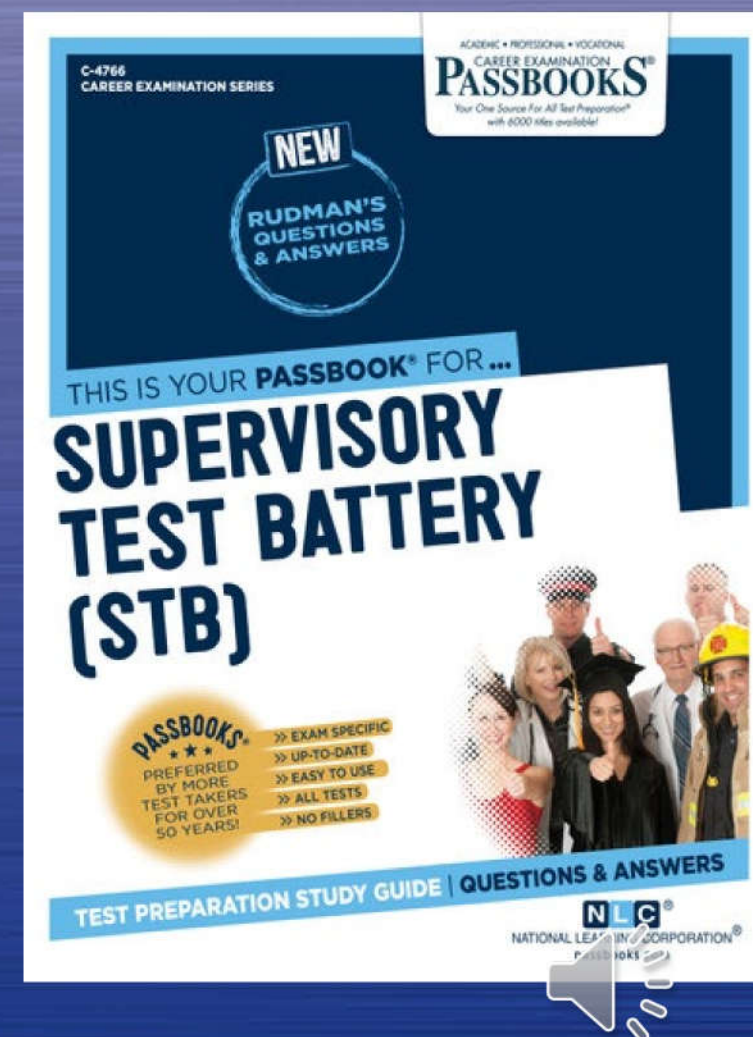
ASTM International, formerly known as the American Society for Testing and Materials





Civil Service Exam Guides

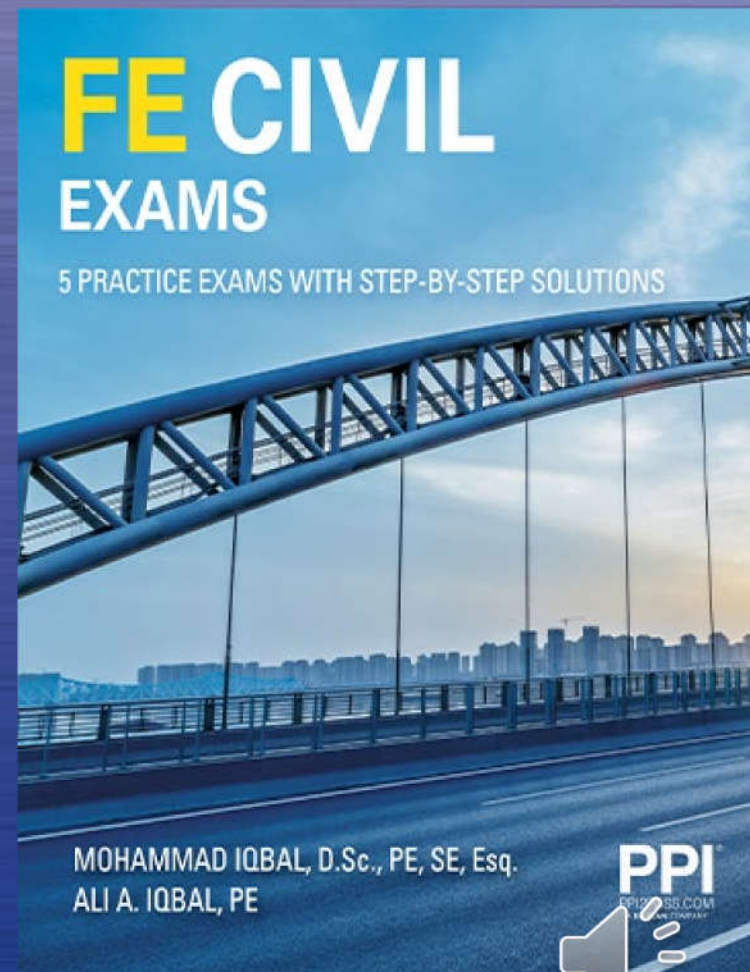
- Preparing for civil service tests
- Grammar, writing, reading comprehension
- Supervisory Test Battery
- Administrative Analyst
- Many other job titles





Professional Exam Guides

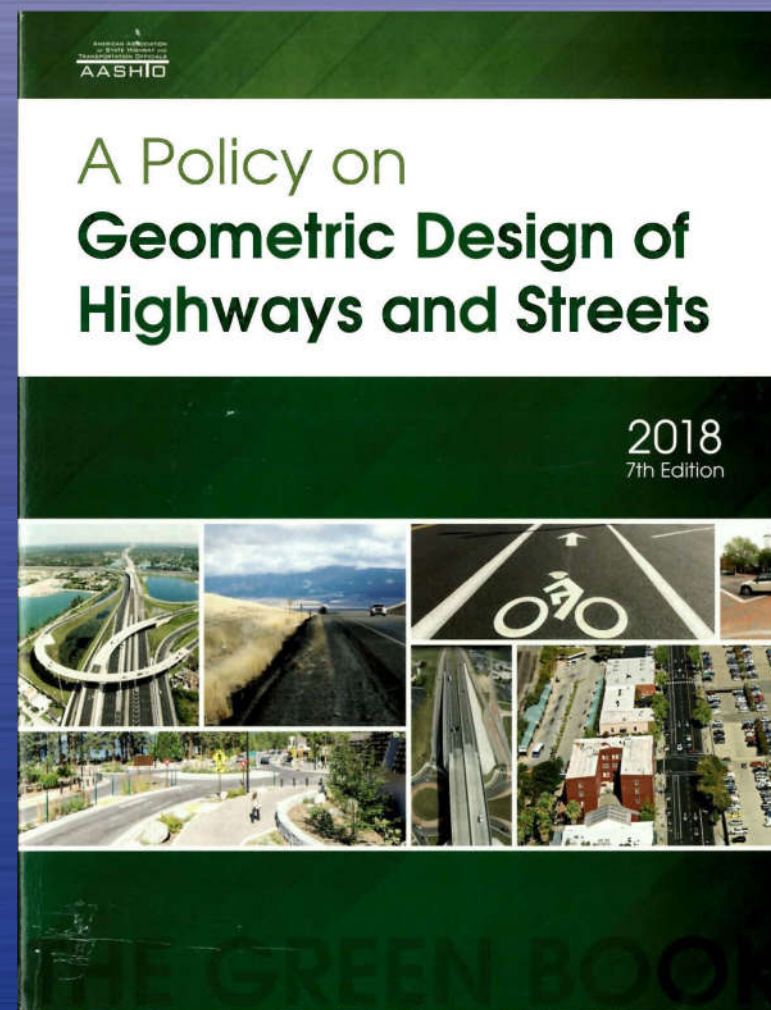
- Principles and Practice of Engineering (PE)
- Fundamentals of Engineering (FE)
- American Institute of Certified Planners (AICP)





AASHTO Standards and Publications

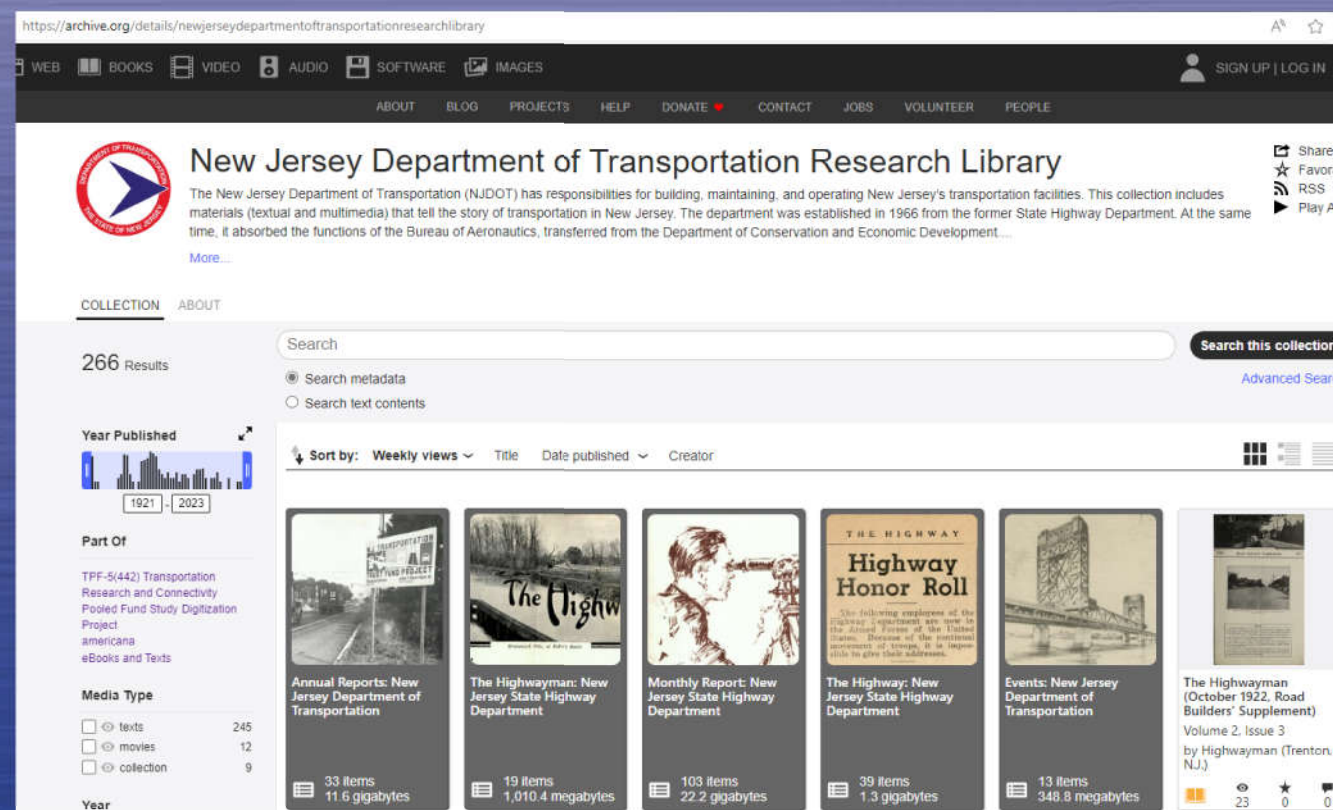
- Current and historical standards, including “featured/essential” publications
- Research, reports, manuals
- Technical Training Solutions (TC3) courses



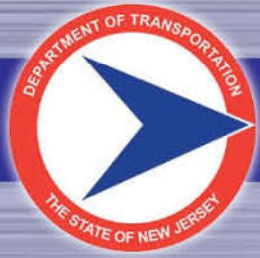


Digitization Project Overview

- Textual and video materials
- Tell stories about transportation in NJ
- Funded by the Transportation Research and Connectivity Pooled Fund



<https://bit.ly/njdot-ia>
On the Internet Archive website



Pop Quiz! Question

How many women have served as New Jersey's Commissioner of Transportation, and who are they?





Answer



Anne P. Canby
1981-1982



Hazel Frank Gluck
1986-1989



Kathy Stanwick
1993-1994 (acting)



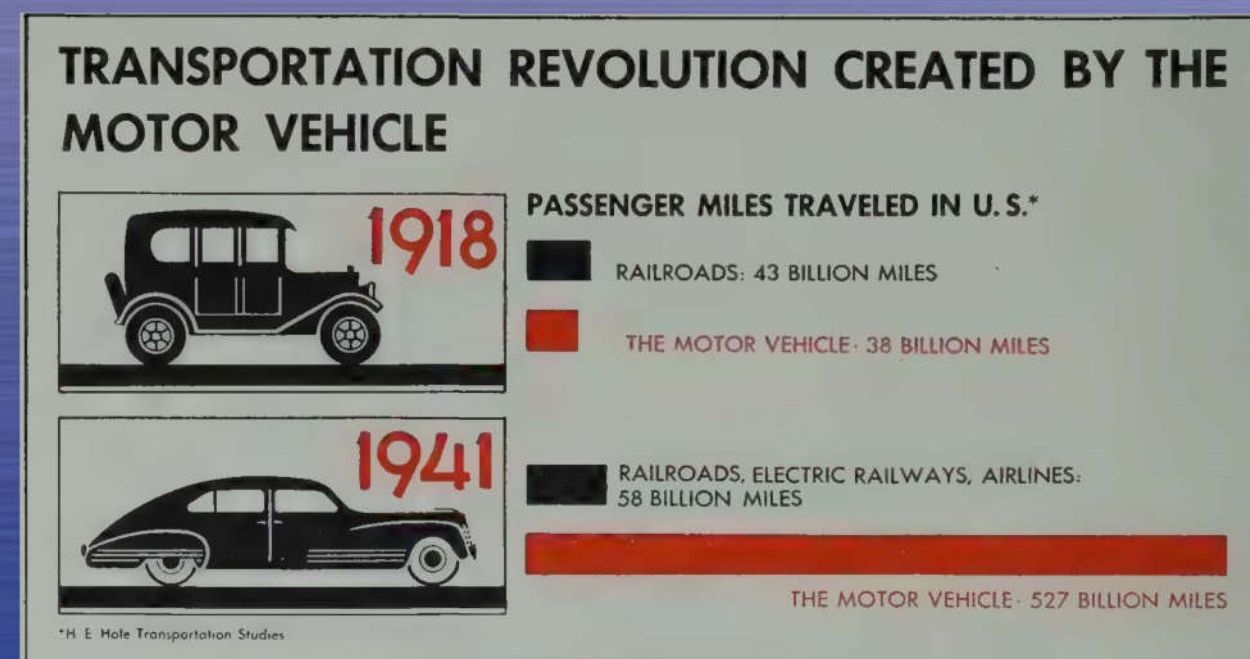
**Diane Gutierrez-
Scaccetti, 2018-2024**

Four: Anne P. Canby, Hazel Frank Gluck, Kathy Stanwick, and Diane Gutierrez-Scaccetti.



Getting Started

- Determine the mission of the archival project.
- Find funding and project champions within your organization.
- Partner with other organizations?



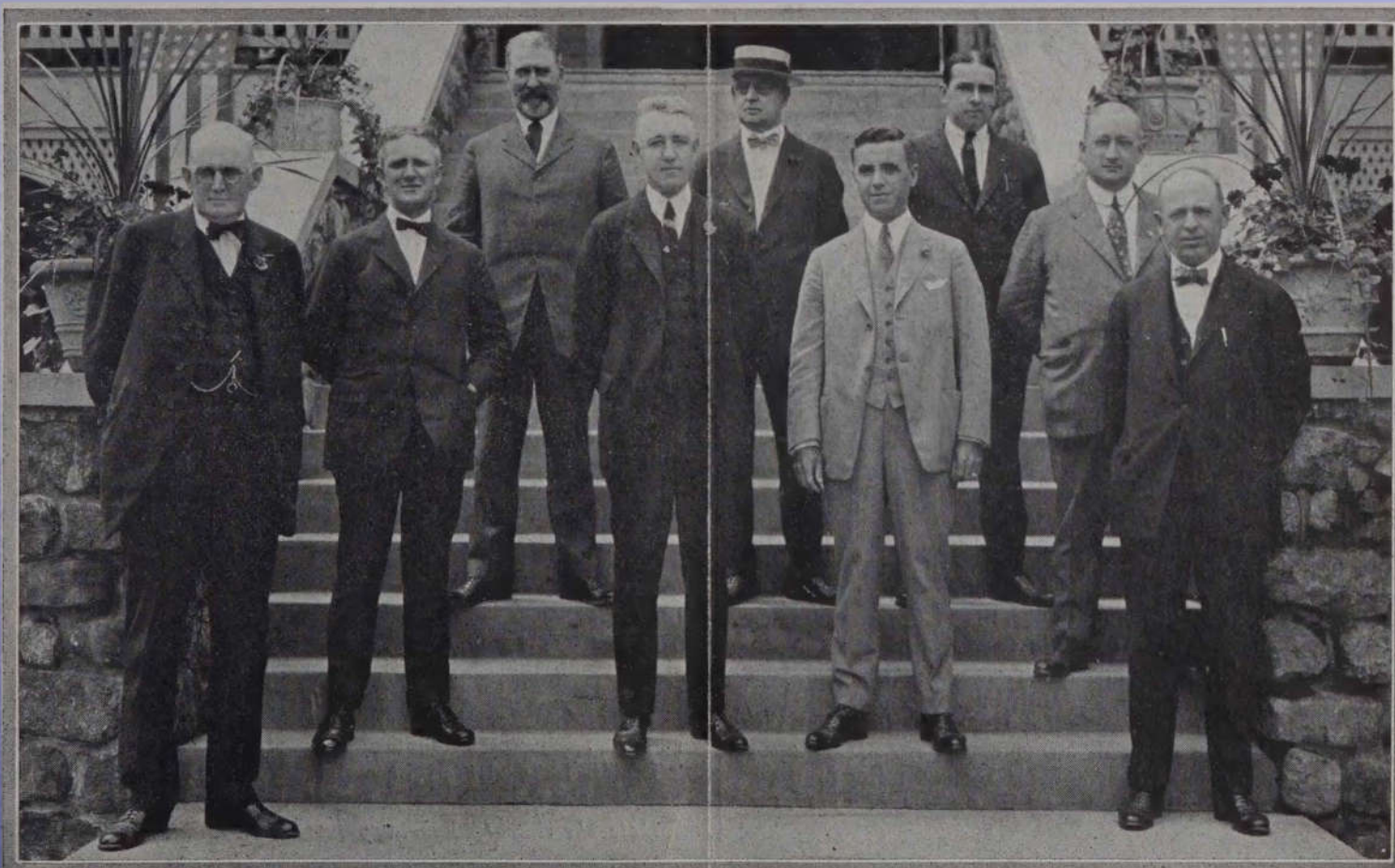
A graphic showing predominance of motor vehicles in transportation, from The Highway Department: A Report for 1944.



Pop Quiz! Question

How many men served as members of the Highway Commission in 1922?

Hint: It's not exactly the number you see in this picture from the August 1922 issue of *The Highwayman*.



*Back Row—left to right—Commissioners Whittemore, Paddock and Burton; State Highway Engineer Wasser
Front Row—Commissioners Doughty, Seabrook, Collins, Ferris and Duffy.*





Answer

State Highway Commission

Governor EDWARD I. EDWARDS, *Ex Officio*

Hon. GEO. L. BURTON, Chairman	-	-						South River
BENJ. E. FARRIER	-	-	-	-	-	-	-	Jersey City
GEORGE PADDOCK	-	-	-	-	-	-	-	Newark
WALTER F. WHITTEMORE	-	-	-	-	-	-	-	Newton
THOMAS E. COLLINS								Elizabeth
ALBERT S. L. DOUGHTY								Mt. Holly
CHAS. F. SEABROOK	-	-	-	-	-	-	-	Bridgeton
CHAS. V. DUFFY	-	-	-	-	-	-	-	Paterson

Eight (nine if you count the governor). The photo on the previous screen also includes the State Highway Engineer. 



Selection of Materials

- **Prioritizing materials about significant eras or events, or with photos or charts.**
- **Annual and monthly reports.**
- **Videos and microfilm.**
- **Not a records management project.**





Pop Quiz! Question

In 1947 the Highway Department unveiled a plaque listing 435 employees who had served the country during World War II (from December 1941 to August 1945).

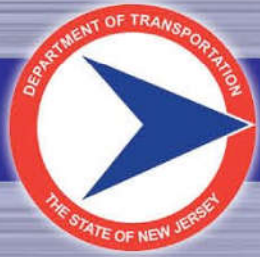
The sign was hung at the State House Annex. Where is the sign today?

UNVEIL HONOR ROLL



Edward E. Reed (left) and Commander Charles M. Noble unveil the permanent Highway Department Honor Roll while Commissioner Miller looks at the list of 433 men and one woman who served their country in the armed forces. Both Mr. Reed and Commander Noble lost sons in the late war.





Answer

Answer: At the NJDOT headquarters. The sign is on the wall next to the Support Services office, right outside of the Multipurpose Room.





Remembrance Ceremony

- Research led to the names of 5 employees who died on the job.
- Names were added to the Employee Memorial in 2023.
- About 3 dozen more names are being reviewed.

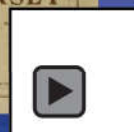
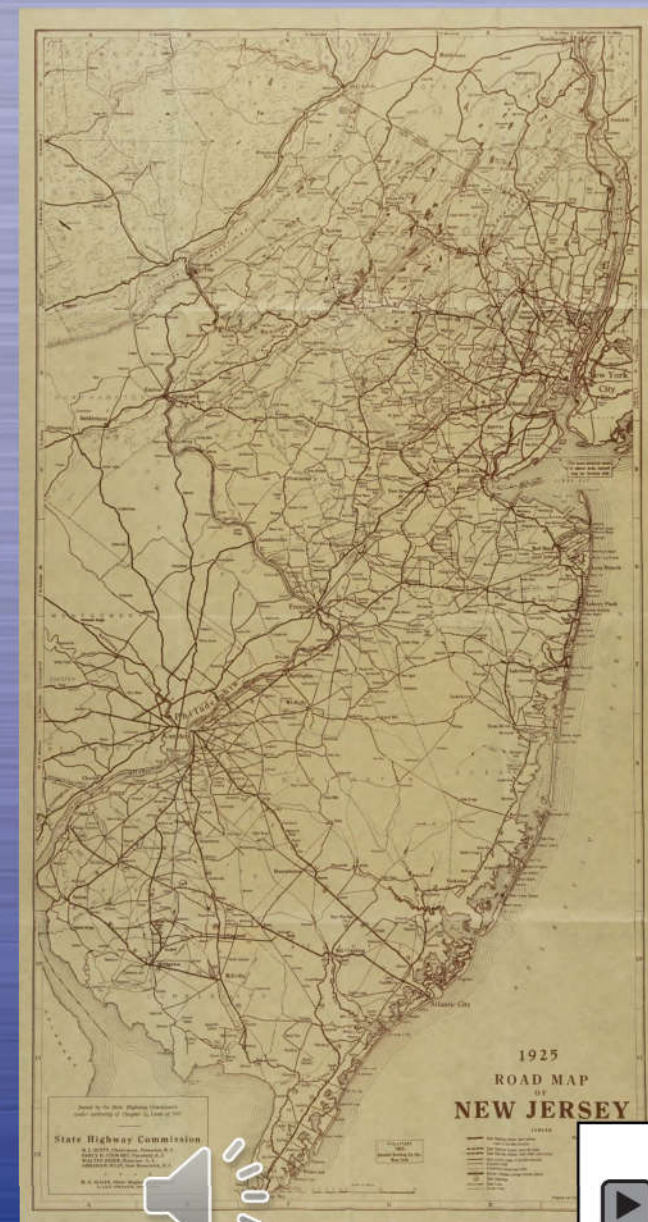




Pop Quiz! Question

In 1925, how many miles were in the State Highway System, and how many miles of streets and roads were in New Jersey?

- A. 656 miles; 10,278 miles.
- B. 732 miles; 14,677 miles.
- C. 843 miles; 20,500 miles.
- D. 920 miles; 22,194 miles.





Answer

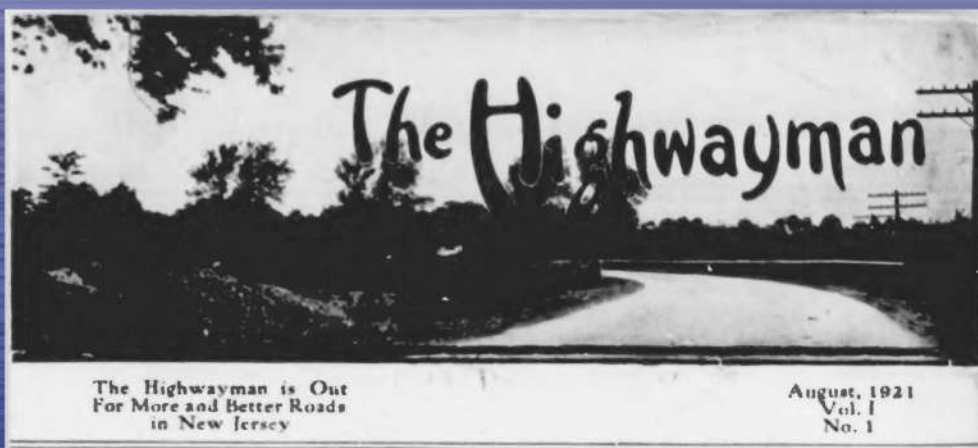
New Jersey has a State Highway System of 843 miles, traversing the state in every direction; a County Road System of 3,030 miles; and more than 16,600 miles of roads and city streets under the jurisdiction of other municipalities; a total state mileage of approximately 20,500 miles.

C. 843 miles; 20,500 miles.





Employee Publications



THE HIGHWAY

VOLUME 1 — NO. 1



AUGUST, 1942

OUR BOYS IN THE SERVICE

Elsewhere in this issue there appears a list of the State Highway Department employees now in the Armed Forces. We are proud of these men and the sacrifices they are making. Each is playing his part in America's fight for liberty. Together they form what we are proud to call "THE HIGHWAY HONOR ROLL."

HERE'S YOUR NEW PAPER

Governor Edison Sends Greetings

I am indeed happy to know that the Highway Department has decided to establish a newspaper to be devoted to matters pertaining



Pop Quiz! Question

In March 2020, *Transporter* reported that a bridge reconstruction was completed nine months ahead of schedule. Which bridge was that?





Answer

The Bridge was built in 1960 as a two span, simply supported, pre-stressed concrete I-beam structure. It is 181-feet long and 79-feet wide. The deck and superstructure were in poor condition and the bridge was functionally obsolete due to limited vertical clearance. The \$8 million federally-funded project increased vertical clearance to modern standards of 16-feet, 6-inches.

The Route 47 Bridge over I-295 replacement project in Gloucester County.



Construction began in January 2019 and ended in January 2020, a full nine months ahead of the original November 2020 completion date.



NJDOT Resident Engineer/ Principal Engineer Christopher Moore (Right) standing with Todd Hollywood, a contractor from JONASZ Precast who worked on the project.



Cataloging/Indexing

- Cataloging before or after digitization.
- Level of indexing/metadata.
- Logging the metadata and items.
- Promoting the collection.



A 1993 video in the collection.



Pop Quiz! Question

In 1997 the New Jersey DOT promoted a new program with incentives for business. What was it called?

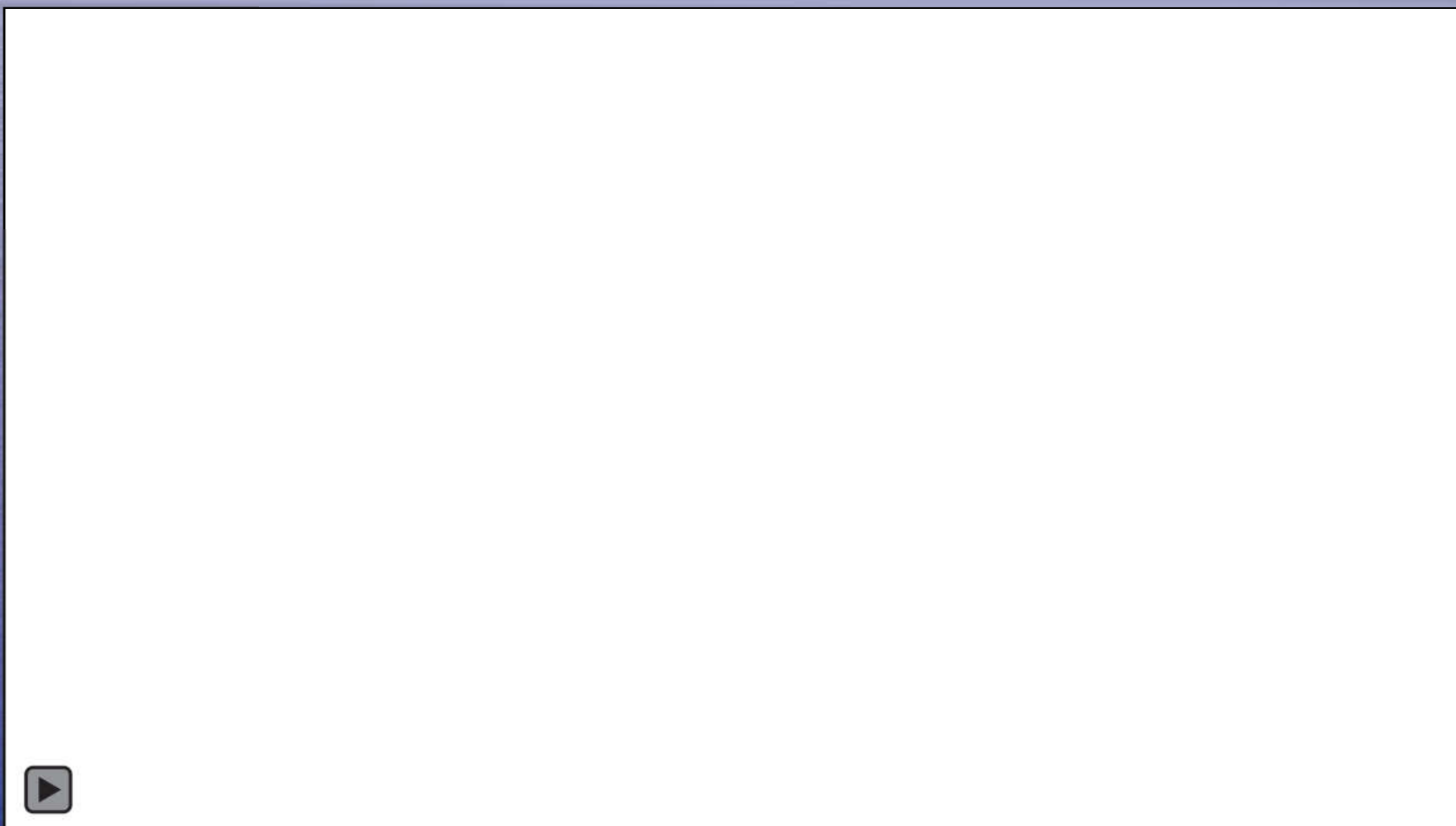
- A. Transit Villages
- B. Drive Green NJ
- C. Zero Emission Incentive Program
- D. Employer Trip Reduction





Answer

D. Employer (Employee) Trip Reduction.





Processing/Preserving Materials

- Review materials for preservation.
- Any fragile materials or other challenges to digitization?
- Are images, charts, etc., printed sideways?
- Shipping materials.





Pop Quiz! Question

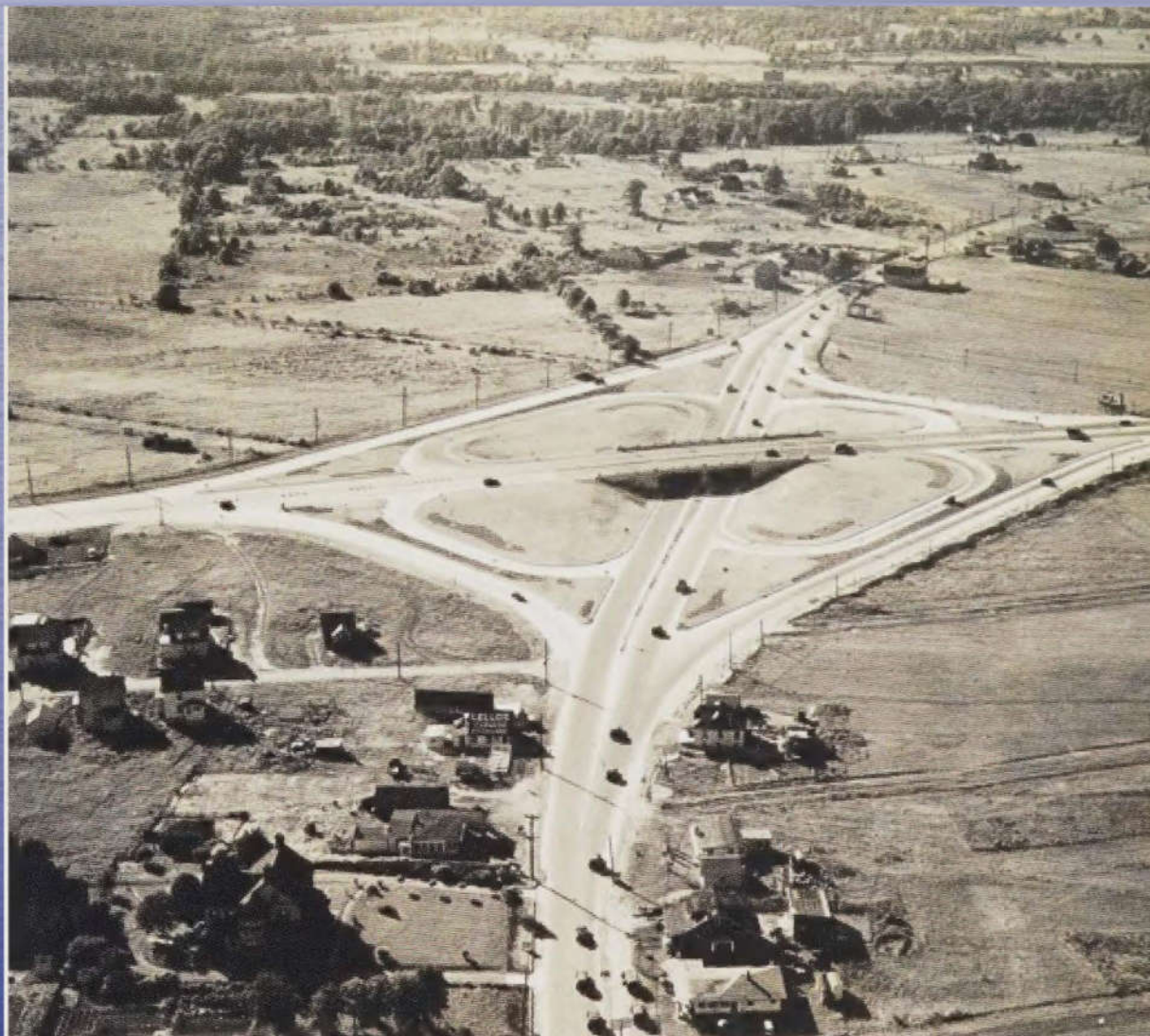
The NJDOT launched a safety innovation on roads in 1969. What was it?

- A. Cloverleafs
- B. Breakaway signs
- C. Center barriers (Jersey barriers)
- D. Emergency/Safety Service Patrol





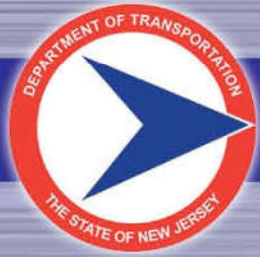
A. Cloverleafs (1928)



1928

Construction of the first "clover leaf" at Routes 1&9 and Route 35 in Woodbridge.





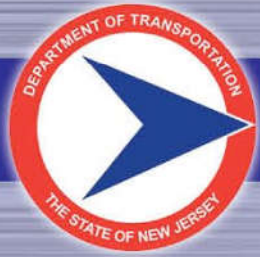
C. Center Barriers (1959)

ROUTE	DATE (Bids Rec'd)	LENGTH (In Feet)	MUNICIPALITY (Twps., & Boros)
287	6/4/59	2,044	Piscataway & Franklin
38	7/8/59	5,970	Delaware, Maple Shade
322	7/9/59	24,239	Hamilton & Weymouth
287	7/31/59	3,565	Bridgewater
1 & 9	10/21/59	13,538	Jersey City, Fairview
1, 9 & 46	10/21/59	8,604	Palisades Park and Ft. Lee



New 32" high solid concrete center barrier being installed on Route 1 in Fort Lee.





D. Emergency/Safety Service Patrol (1994)



Emergency Service Patrol, a roadside assistance program, began in Camden and Muriel counties. The program continues today as the Safety Service Patrol (SSP). (1994)





B. Breakaway Signs (1969)



Engineer Richard A. Strizki of the New Jersey Department of Transportation makes notes on the successful L.C.B.C. Breakaway Device test.

It all started back in May of 1968 when Strizki was temporarily transferred to the Division of Traffic Engineering. He first experimented with fiber-glass for the coupling, later switching to a steel alloy donated by Ryerson & Son, Inc. of Philadelphia, Pa. The L.C.B.C. was made in the Department's machine shop under the supervision of Joseph Saproni.

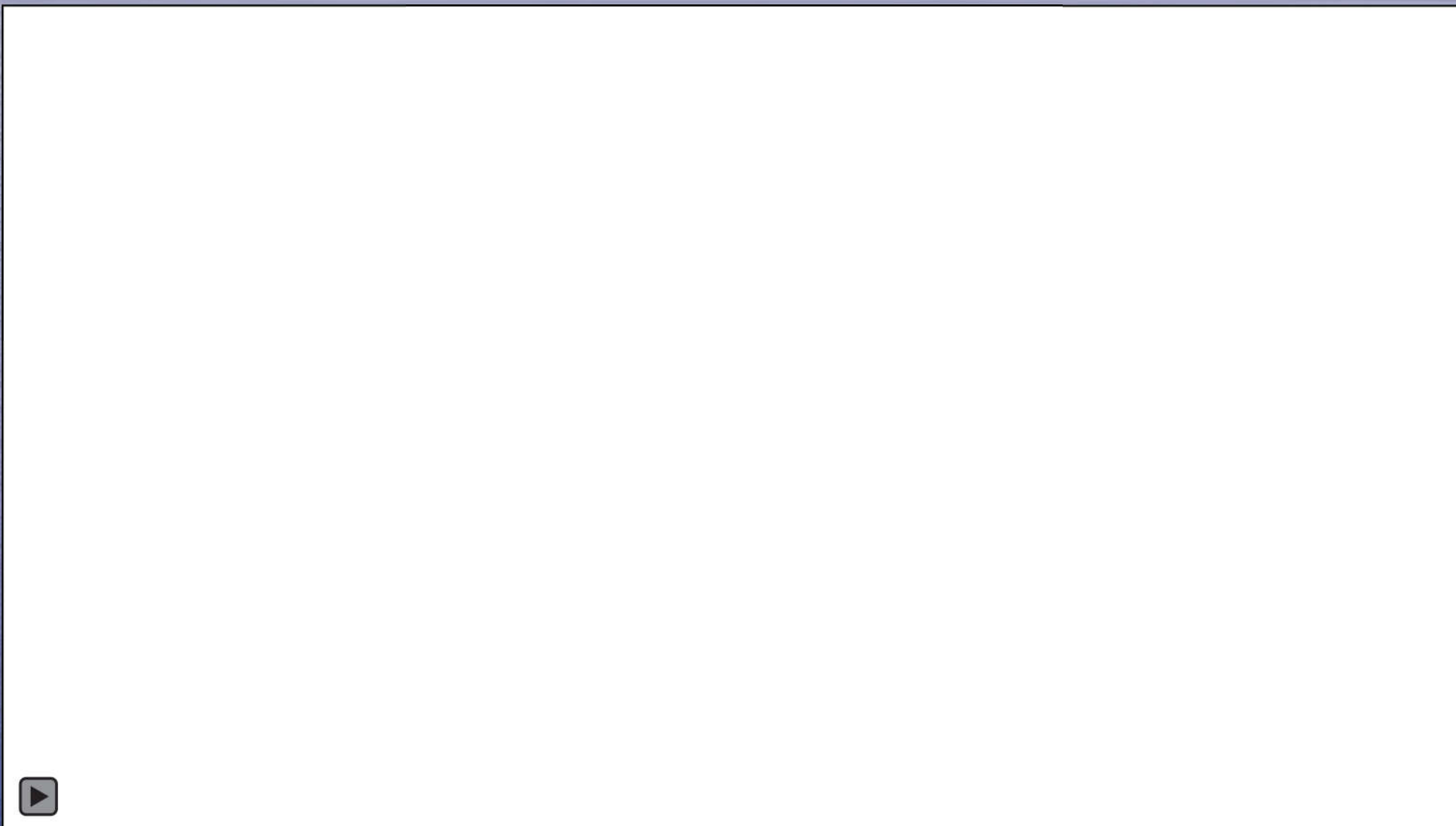
After a series of actual tests — the final one held on May 19, 1969 — the Department of Transportation announced that it had developed a breakaway sign post completely satisfactory for use on New Jersey's State

The department began developing breakaway signs in 1968, then tested and installed the first sign in 1969.





Breakaway Signs: Promotional Video





Thank You!

Eric Schwarz
Research Librarian
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library@dot.nj.gov
609-963-1898



njdottechtransfer.net/library

