



Freight As An Enabler Of Livability

DVRPC Office of Freight and Aviation Planning

Delaware Valley Regional Planning Commission



Things Philadelphia is Known For

- The Declaration of Independence
- Eagles, Flyers, Phillies, and Sixers
- Philadelphia Orchestra
- Rocky
- Philadelphia Cream Cheese
- Reality tv series *Parking Wars*

Signature Streets



Elfreth's Alley



Why a web map?

- Unique regional tool
- Public access to data
- Improve region-wide data-sharing
- Better identify & justify funding priorities

Application is an integrated system that allows for exploration on various levels, including links to existing reports

What kind of data?

Standard Data

To build consistency in the information about facilities throughout the region

- Name
- Owner
- Operator
- Size
- Municipal Location

Indicators

To better understand the use and role of facilities in the larger regional system

- Capacity
- Activity
- Related Reports

Standard data and indicators establish a framework for creation of performance measures and an improved DVRPC counting program



Trucking/Highways

- Freeways (Interstate + Limited Access)
- Truck Parking
- NHS Connector
- Highway River Crossing

Freight Rail

- Rail Lines (Interstate + Secondary + Industrial)
- Class 1 Grade Crossing
- Rail Yard
- Intermodal Rail Yard
- Rail River Crossing

Ports/Waterways

- River (Delaware + Schuylkill)
- Anchorage
- Port Terminal

Airports

- Commercial
- Reliever
- Heliport

Freight Centers

- Mega Center
- Major Center
- Intermediate Center

Pipelines

- Pipeline

Communities

- Freight as a Good Neighbor



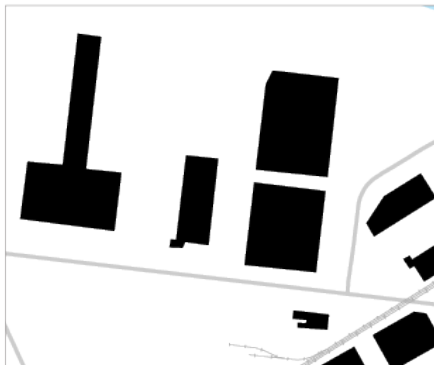
For more information contact:

Tom Dahlburg, DVRPC
p. (215) 238-2844
e. tdahlburg@dvrpc.org

Michael Ruane, DVRPC
p. (215) 238-2888
e. mruane@dvrpc.org

Freight Center Typologies

- International Gateway
- Heavy Industrial
- Distribution & Logistics
- High Tech Manufacturing
- Local Manufacturing and Distribution



Distribution & Logistics



Local Manufacturing



High Tech

Recipe for Increased Urban Deliveries

- Population growth
- Employment changes
- New construction
- E-commerce
- Higher truck volumes



Urban Street (R)evolution



Rittenhouse Square: 18th St. and Chancellor St.

- City bike share program begun in 2015
- Massive road closures during Papal visit in 2015
- 10 new protected bike lanes added in 2016
- Car-free open street event
- Curbless streets being investigated
- Bigger, articulated buses
- Bus lanes on Market St.
- Parklets
- Sidewalk cafes
- Sharrows
- Carshare

How We Fish: A Mural About Work

8th and Cherry Streets





DOWNTOWN DELIVERY SYMPOSIUM

JULY 15, 2015 | DVRPC OFFICES, 190 N. INDEPENDENCE MALL WEST, PHILADELPHIA, PA

Downtown Delivery Symposium

@DVRPC Offices, Philadelphia, Pennsylvania, July 15, 2015

- 100 attendees
 - Public & Private
 - Local & Regional
- 13 speakers
 - Public & Private
 - Local, Regional & National
- 5 sessions
 - Local & Regional
 - Best Practices and Issue-Specific Solutions

Philadelphia Delivery Handbook Contents

- Background
- Trends
- Mechanics
- Best practices
- Funding programs
- Next steps





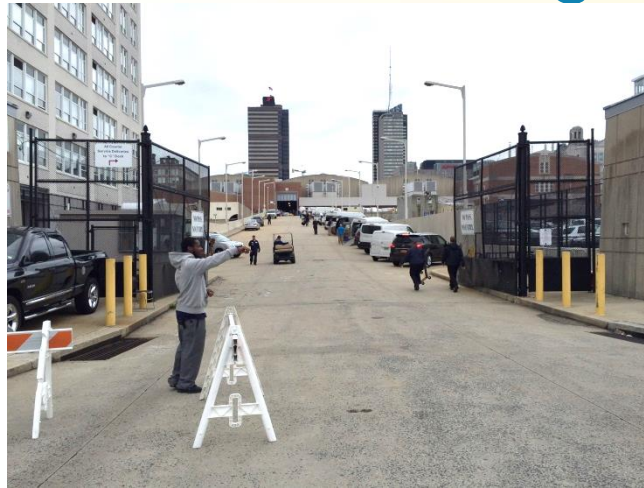
Cheese Steak Supply-chain

	Bread/Hoagie Rolls	RibeyeSteak (beef)	Yellow Spanish Onions	Cheese "Sauce"
Production Location	Delaware Valley	Midwest U.S. or International	New York, Northwest and Southwest U.S.	Midwest U.S.
Packaging Format	20 fresh rolls per box	40 to 80 lb. frozen rolls per box	25 lbs. fresh, whole onions per box	Six 6.5 lb. bags/case
Final Mode of Delivery	Step van	Refrigerated straight truck	Refrigerated straight truck	Tractor-trailer
Frequency of Final Delivery	1-4 times/day	Weekly	Weekly	Every six months

Best Practices



Internal Loading Entrances



PA Convention Center



Two Liberty Place



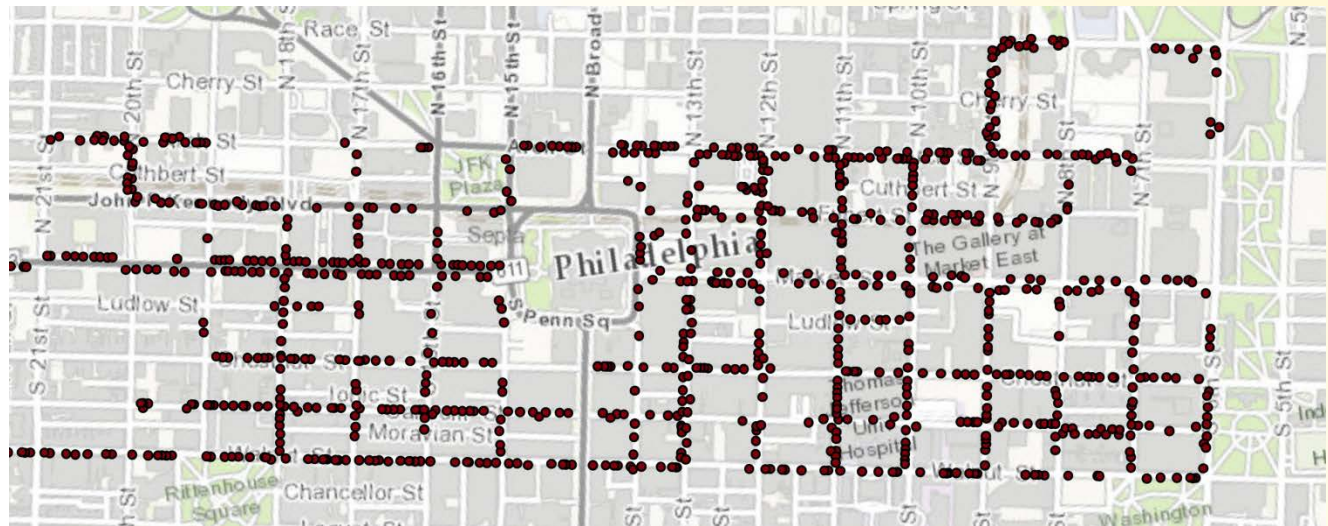
American College of Physicians



The Gallery

Data development

- Management system for signage and regulations
 - All regulations mapped by curb segment
 - Temporal changes built-in



- 1,800 regulations associated with 590 validated curb segments

“No Truck Parking: 6PM-6AM” Example



Location: 2114 Christian Street

Truck Parking in the City of Philadelphia



Location: 61st St. and Harley Ave./Lindbergh Blvd.

Complementary Products/Activities Completed or Underway

- *Philadelphia Delivery Handbook* published
- Critical Urban Freight Corridors identified (as part of National Highway Freight Network)
- Mock-up application for truck loading/unloading zones in Center City Philadelphia prepared
- Truck network drafted with suggested typologies
- Vision Zero (commercial vehicle aspect) supported
- Freight Centers updated (via *PhillyFreightFinder*)
- Freight modeling enhancements proposed
- Regional truck navigation database proposed (for conveyance to Internet route providers)

Identify Resources for Case Study Locations



Location: Bridge Street and James Street

Opportunities for Increased Web Presence

- Streets Department
- Philadelphia City Planning Commission
- Business Services
 - *How to Be a Good Business Neighbor*
- Philadelphia Parking Authority
- PA Motor Truck Association
- Open Data Philadelphia
- Pennsylvania Spatial Data Access
- DVRPC's *PhillyFreightFinder*



FHWA Vehicle Classifications

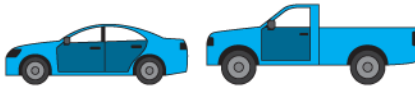
1. Motorcycles

2 axles, 2 or 3 tires



2. Passenger Cars

2 axles, can have 1- or 2-axle trailers



3. Pickups, Panels, Vans

2 axles, 4-tire single units
Can have 1 or 2 axle trailers



4. Buses

2 or 3 axles, full length



5. Single Unit 2-Axle Trucks

2 axles, 6 tires (dual rear tires), single-unit



6. Single Unit 3-Axle Trucks

3 axles, single unit



7. Single Unit 4 or More-Axle Trucks

4 or more axles, single unit



8. Single Trailer 3- or 4-Axle Trucks

3 or 4 axles, single trailer



9. Single Trailer 5-Axle Trucks

5 axles, single trailer



10. Single Trailer 6 or More-Axle Trucks

6 or more axles, single trailer



11. Multi-Trailer 5 or Less-Axle Trucks

5 or less axles, multiple trailers



12. Multi-Trailer 6-Axle Trucks

6 axles, multiple trailers



13. Multi-Trailer 7 or More-Axle Trucks

7 or more axles, multiple trailers



DVRPC 2018-2019

Work Program Requests

- Downtown truck routing and loading
 - Philadelphia
 - Chester
 - Camden
 - Trenton
 - Kennett Square

Thank You...and Good Luck!!!



Washington, D.C. flag