Using I-95 During Reconstruction Overview Update Congestion Management Communications



Elaine Elbich, PE Pennsylvania Department of Transportation Delaware Valley Regional Planning Commission Goods Movement Task Force October 16, 2013

I-95 Corridor Conditions

- 5 "Sectors" in Bucks, Philadelphia and Delaware Counties
- 51 Miles, 325 Lane Miles, 210 Bridges, 55,000 to 190,000 Annual Average Daily Traffic
- Priority Based on Physical Conditions and Accident History
- Estimated Total Cost to Rebuild: \$8-10 Billion



Sector A Design and Construction

- Limits: I-676 Interchange to Cottman Princeton Interchange
- Approximately 8 Miles in Design or Construction
- Five Separate Design Sections Began in 1999
- Scheduled Construction from 2009 to 2025



Sector A Schedules and Costs

- Approximately \$200 Million Bid to Construction Per Year
- \$2.3 Billion Total Estimated Cost
- Both Regional and Intersate Management Program Funds



- Project Construction Cost: \$290 Million
- 1.4 Miles of New Pavement, Rebuild 7 Mainline bridges
- Restore Dropped Mainline Lanes
- New Interchange Ramps on the Eastside of Mainline
- Section CP1 Completed and CP2 under Construction with Completion in 2017



- CP2 Phased Maintenance and Protection of Traffic Stages
 - Stage 1: (Late 2012 to Early 2013) on Mainline Shoulder Paving and Preparation
 - Stage 2: (Early 2013 to Mid 2013) on Mainline Median
 - Stage 3: Mid 2013 to Mid 2014, Work on Southbound Mainline
 - Stage 4: Mid 2014 to Late 2015 Work on the Mainline Median



- CP2 Phased Maintenance and Protection of Traffic Stages Continued
 - Stage 5: Late 2015 to Late 2016 work on Northbound Mainline
 - Stage 6: Late 2016 to Late 2017 work on the Mainline Median
 - Ramp from I-95 SB to Cottman Closed until Mid 2014
 - New State Road Construction, Utility Cross Cuts and Temporary Closures
 - Construction is Complete at the End of 2017



Sections BSR/BRI

- Estimated Project Construction Cost: \$788 Million
- 3 Miles of Roadway Reconstruction and 19 New Bridges
- Completing Betsy Ross Bridge Connection
- Adams Avenue Connector Improvements
- BRO, BR2, BR3: 2014 2020
- BS1, BS2, BS3: 2016 2021



Section AFC

- Estimated Project Construction Cost: \$275 Million
- 1.8 Miles of Pavement Reconstruction and 10 New and Reconstructed Bridges
- Coordinating Freight Traffic from Tioga Marine Terminal
- Betsy Ross Bridge Ramp Connections
- AF1, AF2: 2017 2023



- Limits: I-676 Interchange to Allegheny Avenue Interchange
- Estimated Project Construction Cost: \$1.0 Billion
- 3 Miles Mainline Reconstruction with 1.3 Miles of Viaduct
 - GR0: Complete GR2: 2012-2015
- GR4: 2017-2021
 - GR1: 2011-2016 GR3: 2013-2018 GR5: 2019-2023



- GR1 Street Closures
 - Girard Avenue from Aramingo to Richmond Street until December 2013
 - New Girard Avenue Bridge Opens, Existing Girard Avenue NB Ramp will Close Permanently
 - Richmond Street from Lehigh to Allegheny from December 2013 until Fall 2015



- GR2 Mainline
 - North and South Bound to Mid 2014, North Bound to Mid 2015 and
 - Median to Late 2015
- GR2 Completion Late 2015, GR1 Completion Spring 2016



- GR3 Let October 31, 2013
- GR3 Construction Scheduled Early 2014 to Mid 2018



Congestion Management

- Congestion and Transportation Management Improvements (2000-2012)
- Traffic Signal Upgrades to the City Street Grid-\$22.4 Million
 - Torresdale, Holme, Frankforfd, Allegheny, Tyson Avenues
 - Academy, Knights, New State Roads
 - Broad, Tacony Streets
 - Roosevelt Boulevard
- Transit Improvements-\$26.2 Million
 - Bensalem Park and Ride Lot
 - Cornwell Heights Shuttle
 - Trevose, Bensalem, Yardley, Woodbourne, Philmont Station Parking
 - Additional Train Cars, Signal and Track Improvements
- Corridor Intelligent Transportation Systems Expansion-**\$58.5 Million**
 - Cameras
 - Dynamic Message Signs on Mainline, Arterials and City Streets
 - Vehicle Detectors

Congestion Management

- Vehicle Probe Project Suite
 - Developed by I-95 Corridor Coalition
 - Available Free to Member Agencies
 - Archived Real-Time Speed and Travel Time Data
 - Enables Rapid Analysis of Performance



Congestion Management

- Strategies for Managing Work Zone Impacts of a Project
- Serve Mobility and Safety of Motorists, Workers, Business, and Community
- City Street Network Improvements Prior to Mainline Construction
- Three Lanes of Traffic Maintained in Each Direction



Travel Time



Planning Time Index



Travel Time



Planning Time Index



Congestion Management Partners

Federal Highway Administration

City of Philadelphia

- Ongoing Construction Phasing and Interchange Detour Routes
- Additional Intersection Signal Adjustments
- Improved Network Intermodal Accessibility

Delaware River Port Authority

Philadelphia Regional Port Authority

SEPTA

- Cornwell Heights Park 'n Ride and Station Improvements
- Additional Trenton Line Station Parking and Rolling Stock Purchases

DVRPC

- Leads FHWA Congestion and Incident Management Process Coordination
- Provides Regional Integrated Multimodal Information Sharing (RIMIS)

Additional Partnering Opportunities

- Community and Business Association Outreach
- Participate in Stakeholder Information Sessions with DVRPC and TMAs
- Communicate with Industry Regarding Goods Movement Impacts
- Promote Alternate Work and Hauling Schedules
- Other Possibilities?



Communications

Press Releases

I-95 Revive Website

- Design and Construction Sector A
- Updates, Renderings, Photos
- Future Improvements
- Contact Information

511PA Travel Information

Newsletters

• Published Twice Each Year

Twittter

- Real Time Updates
- Accessible by Smartphone
- Linked to Project Website







Questions



www.95revive.com











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Agenda

1. What is the Delmarva Freight Study?

2. Efforts to date

- Economic/Industry Factors
- Data Collection
- Development of CUBE Cargo

3. Scenario Analysis

4. Status/Next Steps













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What is the Delmarva Freight Study?

- A *multi-state, multi-MPO* effort to develop a comprehensive, multi-modal evaluation of the freight transportation system and its operations along the Delmarva Peninsula.
- According to MAP-21, States are *highly recommended* to have a freight plan which can improve their ability to meet National Freight Policy goals & objectives.
- Not a requirement, but in order for some projects to be eligible for fed \$, they *must come from a freight plan*!











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Key Functions of Study

- Collect Most Recent Commodity Flow Data:
 - Transearch, FAF3,
 - STBWaybill
- **Conduct Outreach** (Agencies, Industries & Shippers)
- Develop CUBE Cargo Model
- Generate Current/Future Freight Forecasts for Multiple Modes (Truck, Rail, Water, Pipeline)
- Analyze Future Freight Scenarios









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ECONOMIC/ INDUSTRY FACTORS

Freight traffic in Delmarva region is highly concentrated. Five commodity groups constitute over 70% of the region's truck traffic.

	Commodity	Millions of Tons*	Cumulative %
50 Se	condary Traffic	12.8	20%
32 CI	ay, Concrete, Glass, Stone	12.6	40%
20 Fc	ood and Kindred Products	6.6	51%
29 Pe	etroleum and Allied Products	6.6	61%
28 Ch	nemical or Allied Products	7.4	73%
33 Pr	imary Metal Products	2.9	78%
24 Lu	mber or Wood Products	2.3	81%
37 Tr	ansportation Equipment	1.5	84%
26 PL	Ip, Paper and Allied Productst	1.1	86%
34 Fa	bricated Metal Products	0.7	87%
Els	se	8.4	100%
тс	DTAL	62.9	

Includes inbound, outbound, and local truck tons

















Industrial Outlook

- U.S. Spends Only 1.7% of its GDP on Transportation Infrastructure while Canada Spends 4% & China Spends 9% . (Source: KC Smartport Supply Chain Centered)
- Infrastructure Deficiency Decreases Productivity Per Worker, Critical Job Opportunities are Lost in Highly Skilled & Well-Compensated Non-Transportation Sectors Throughout the Economy. (Source; Report by American Society of Civil Engineers, 2011)
- Implications for Delmarva: With the Major Congestion Issues, Residential Encroachment, the Need for Improved Motor Freight, Barge & Potential Rail Service is Critical, there is a Strong need to Address the Infrastructure Deficiencies & Provide Support / Improvement Where Possible.
- Peak Seasonal Traffic Coincides with the Need for Motor Freight Traffic to Serve Peak Seasonal Population, Creates Additional Congestion Issues Related to Freight Movement, Economic Stability & Quality of Life.







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Data Collection

Transearch (IHS Global Insight) FAF 2, FAF 3 STB Waybill (Rail)







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Data Collection

Commodity Flow Data

Transearch	FAF	
County-level data	Larger regions	





Model Boundaries

Based on IHS Transearch Regions

✤ 6 BEA's

- Additional counties added to span gaps between:
 - Washington-Baltimore-Northern Virginia
 - Philadelphia-Camden-Vineland







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Delmarva's Major Industries Have Different Freight Flow Characteristics:



Analysis and Stakeholder Research







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Status Updates

Stakeholder Outreach

Online Survey: General Comments



- 36% Miscellaneous Infrastructure Improvements
- 25% Truck Restrictions (height, weight, width, hazmat)
- 17% Northeast Corridor Constraints
- 11% Rail Restrictions (height, weight, width)
- 11% Short Line Railroad Support

Areas of Concern (from Outreach):

Rail

- NEC / Chesapeake Connector
- Delmarva Secondary / Indian River Coal
- 75 Rail Car Capacity
- Cape Charles Rail Car Float

Ports

- Post-Panamax
- New Markets

Inland Waterways

- Nanticoke & Wicomico Rivers
- Spoil Sites for Dredged Materials

Motor Freight

Air Freight



- Seasonal / Tourist-Based Congestion
- Secondary Roads / Bridges
- Fuel Taxes / Toll Rates / Weight Limits
- Parking & Rest Areas





Areas of Opportunity (from Outreach):

Growth & Industry

- Cecil County
- New Castle County
- Sussex County
- Wicomico County
- DAFB Civil Air Terminal

Site-Specific Issues

- PBF Energy Rail Expansion
- Dogfish Head Brewery Expansion
- Seaford Multimodal Connectivity
- Salisbury Multimodal Connectivity
- NASA Wallops Flight Facility

Import-Export

- Fracking Materials to Marcellus Shale
- Crude Oil from Canada or Midwest
- Grain from Midwest
- Frozen Poultry to Russia

Enterprise Zones / Other Incentives





Scenario Development













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Scenario Planning

Performance Based Approach

- Include performance measures to guide freight-related transportation decisions
- Retain consistency w/ the National Freight Strategic Plan
- Tie each measure to each goal to indicate how well the system is achieving that goal
- Reflect measures of conditions of infrastructure and of service performance
- Reflect outcomes that are directly important to system users and the general public
- Avoid measures that are not of direct importance to users or the general public

Scenario Planning

Economic Evaluation

- Qualitative screening relative to scenario-specific issues
 - Review of low-medium-high levels of impact
 - Review of global factors or unknowns vs. potential for "missed" opportunities
- Address industry-specific impacts of changes in:
 - Freight costs, availability, reliability, and time
 - Related impacts on jobs and payrolls
 - Secondary / multiplier effects on jobs and payrolls
 - Secondary / multiplier effects on fiscal and tax impacts
- Add'l research: cost of goods movement as a % of overall costs
- Add'l research: industry-specific elasticities (e.g., tourist impact vs. congestion)

Scenario Planning

Cube Cargo Evaluation

- Potential Measures of Effectiveness include:
 - Travel Time to Market by Mode
 - Level of Service
 - Delay
 - Transportation Cost by commodity and mode
 - Emissions
 - Truck Volumes on Roadways
 - Freight Demand by Mode
- Add'l research: Cost assumptions for freight movement by mode



Factors to React to . . .

Rail Service Loss Port Expansion or Market Shifts Post-Panamax Impacts Inland Waterway Loss Truck Transportation Costs Energy Market Trends (Coal, Oil) Fulfillment Services Trends

Factors to Influence . .

Rail Service Efficiencies Intermodal Infrastructure Port Access Enhancements Infrastructure Preservation Truck Transportation Policies Freight Network Connectivity Land Use Preservation

Poultry

<u>Delmarva Freight Study</u>

Possible multi-modal improvements, such as:

- Expansion/Improve Rail facilities
 - Chesapeake Connector
 - Weight/speed improvements
- **Increased carfloat capacity**
- Increased intermodal facilities in key locations along Peninsula





Delaware Department

of Transportation

Maryland Department

of Transportation

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<u> Delmarva Freight Study</u>

Multimodal Constraint Scenario What would the future look like if freight transportation on the peninsula was constrained by a loss or reduction of key multimodal elements or opportunities? For example, WHAT IF... . freight rail access across/along the NEC continues to be restricted to a narrow window of time? . coal freight demand to the Indian River power plant ceased? ... at-grade rail / highway crossing conflicts increased? ... the NS Delmarva Secondary became a shortline railroad (from Porter to Pocomoke City)? ... the NS Indian River Secondary became a shortline railroad (from Harrington to Frankford)? . the BCRR car float operations permanently ceased? . Wicomico River barge travel was restricted due to funding / dredging constraints? ... Pocomoke River barge travel was restricted due to funding / dredging constraints? , oil and gas imports/exports had fewer transport options? 10 ... truck volumes and roadway maintenance needs increased substantially? Constraint Scenario w/ Trendline Growth: What would this future look like in 2040 with trendline economic or demographic changes? Constraint Scenario w/ Accelerated Employment: What would this future look like in 2040 with accelerated employment growth in certain industries? Area Wide Delmarva Maryland Department Javer/ Freight ountv

Possible future constraints, such as:

- Decreased rail access to Peninsula
- Less capacity due to less dredging
- Car float operations reduced
- Increased reliance on truck mode





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Plan

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Performance Measures

Measurement Details
Travel Time to select cities (Philadelphia, Harrisburg, Baltimore, Washington D.C., Hampton Roads)
Population near select distribution centers (within 15-30-45 minutes of Amazon, WalMart, FedEx, UPS, Sysco) Employment near select freight transfer hubs (within 15-30-45 minutes of Port of Wilmington, NS Newark Yard, NS Jello Yard, NS Harrington Yard, NS Seaford Yard, Perdue Farms)
Truck VMT @ LOS A-C, D, E, F Truck VHT @ LOS A-C, D, E, F
Freight Tonnage by Mode

Delaware Department Mar of Transportation of



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Delmarva F

 Provide detailed analysis on 5 major freight corridors along Peninsula:

I-95 "Metro Corridor"

DE 1 US 13 – "Coastal Corridor" US 113

US 50 - "Ocean City Corridor"

MD 404 DE 404 - "Lewes Corridor"

US 301 – "Bay Corridor"









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Other Steps

Delaware Chemical Supply Chain Analysis

Produce detailed supply flows into Delaware's chemical supply chains and emerging chemical industry market trends or logistics practices to identify potential opportunities for economic development or changes in the State's freight system that could strengthen supply chain performance.

• Potential Supply Chain Analyses Agriculture / Poultry Secondary Traffic Export-Related Locations Others !









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Schedule:

- Fall 2013: Complete Scenarios and PMs
- Develop List of Freight Trends, Needs and Issues
- Jan- Feb. Finalize report
- March 2014 Complete Document







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Thank You!!!













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Marcus Hook Operations Overview October 16th, 2013

Braskem

BRASKEM 2020 – Strategic Vision

To be the world leader in sustainable chemistry, innovating to better serve people.

H

Fonte: Braskem/IBGE



Braskem

Braskem: Leader in PE, PP and PVC production in the Americas



36 Industrial Sites Worldwide

Bahia - Brazil	<i>Rio de Janeiro - Brazil</i>	US
1 Naphta Cracker	1 UNIB	5 PP
4 PE	1 PE	- Kenova, WV
1 PP	1 PP	- La Porte, TX
1 PVC	Rio Grande do Sul - Brazil	- Freeport, TX
1 Chlorine Soda	2 UNIB	- Seadrift, TX
Alagoas - Brazil 2 PVC 1 Chlorine Soda São Paulo - Brazil 2 UNIB	5 PE 2 PP Germany 2 PP - Wesseling	- Marcus Hook, PA
2 PE 2 PP	- Schkopau	



Braskem basis for growth: Braskem America



Key Uses of PP Resins

Compounding	Description: Compound producers for automotive industry, automotive parts, PPR pipes and SPC application.	
Fibers	Description: mono and multi-filament used in carpet, upholstery, strapping, staple and geotextiles.	Jé
Nonwoven	Description: Hygiene disposables (diapers and pads) and Durables (mattress, furniture).	
Film	Description: Bioriented Polypropylene Film for tapes, packaging and labels.	
Rigid Packaging	Description: food containers, cups, caps and closures	
Houseware / Buckets	Description: Houseware (food storage containers, garbage can, knife handles) and buckets for food and chemical industry.	

HESCP Environment, Safety & Quality Policy

Braskem, an international producer of chemicals, petrochemicals and fuels, believes that sustainable development, valuing the human being, and ethical conduct are essential to achieve growing levels of business excellence.

To convert these beliefs into actions grounded on the principles of Health, Environmental and Safety, Quality and Productivity, we

Once brasken y both

Não inclui Quattor e Sunoco

Assure cooperation and partnership with suppliers





Promote the development of people

Meet customer expectations

Maintain a positive relationship with the communities where it operates





Continually improve our processes, products and services, stimulating innovation and meeting legal and other requirements

Act preventively: - In the quality of life and health of people

- In the safety of people, processes, information and heritage
- In environmental aspects and the rational use of natural resources
- In the quality of products and services



Braskem

This policy represents the commitment of all members of the Company and its practice adds value to the businesses.

Braskem

Marcus Hook Operations

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Fonte: Braskem/IBGE



Marcus Hook PP Historical Timeline





Highlights

- Unipol Technology
- 2 Production Lines (770MM Lbs → 350 kton)
- ISO 9001:2008 Registered
- OSHA VPP Star
- Non-Union Facility
- Total Headcount = 146
 - MHO Employees 116
 - Braskem America Employees 16
 - Residential Contractors 14

Marcus Hook Operations - Overview



Braskem

Marcus Hook Operations



Refinery Grade Propylene Unloading Area



Propylene / Propane Splitter Area



Polymers Area



- Marcus Hook, PA Shared Assets (open to NS & CSX)
 - Lease track within SXL Marcus Hook Industrial Complex which holds 60 railcars
 - Lease Track at General Chemical 30 car spots
 - NS Contract provides Storage In Transit location Chester Tilghman 150 r/c 's





Marcus Hook PA Shipping/SIT



Rail Fleet Overview

- 3957 Covered Hopper Cars
 - 670 in Marcus Hook Fleet
- Includes "BRKX" fleet Sale/Lease Back
 - Financial Lease
 - Midwest Railcar MWCX/MCEX marks
- 2 Tank Cars Ethylene "For Sale"
Immigration in DVRPC's 28-County Extended Data Services Area



Mary E. Bell Manager Demographic and Economic Analysis

> October 16, 2013 Delaware Valley Goods Movement Task Force



Delaware Valley Data

- **Regional Data Bulletins** ۲
- Analytical Data Reports
- **Data Reference Guides**
- Data Snapshots:

Snapshots

MINIGRATION

In.data odvrpc

GRA

Senior Demographics

GRAT

- **Regional Economics**
- Immigration



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Foreign-Born Population in the Nation's 10 Largest Metropolitan Statistical Areas (2006-2010)

@dvrpc

MSA	Total Population	Foreign Born Population	Percent Foreign Born	Percent Naturalized Citizens	Percent Not Yet a U.S. citizen
Miami-Fort Lauderdale	5,463,857	2,023,711	37%	47%	53%
Los Angeles	12,950,129	4,432,288	34%	43%	57%
New York	18,818,536	5,304,270	28%	51%	49%
Houston	5,542,048	1,193,931	22%	33%	67%
Washington DC	5,288,670	1,063,033	20%	42%	58%
Dallas-Fort Worth	6,006,094	1,078,552	18%	28%	72%
Chicago	9,506,859	1,695,417	18%	44%	56%
Boston	4,455,217	706,586	16%	47%	53%
Atlanta	5,134,871	665,297	13%	31%	69%
Philadelphia	5,826,742	504,317	9%	48%	52%

Foreign-Born Population and Year of Entry into the United States, 2007–2011



		Foreign-Born Population		Year of Entry into the United States	
Geography	Total Population	Number	Percentage	Before 2000	2000 or later
DVRPC's 28-County Data Services Area	11,800,834	1,294,052	11%	65%	35%
Two Delaware counties	696,414	60,944	9%	59%	41%
Two Maryland counties	344,671	14,806	4%	73%	27%
14 New Jersey counties	4,771,794	708,431	15%	67%	33%
10 Pennsylvania counties	5,987,955	509,871	9%	64%	36%
Nine-County DVRPC Region	5,601,058	575,844	10%	64%	36%

Percent Foreign-Born by County











Thank You! Questions? Comments?



Mary E. Bell Manager Demographic and Economic Analysis 215.238.2841 mbell@dvrpc.org

For more information please visit, http://www.dvrpc.org

CONTRACTOR DELAWARE VALLEY



Immigration in Greater Philadelphia

Presented by Christina Arlt Planner, Office of Smart Growth



Presentation Outline

- How many immigrants are there?
 - Regional
 - County
 - Municipal
- Where are they from?
- When did they get to the United States?
- Socioeconomic characteristics
 - Education
 - Housing
 - Vehicle Availability
 - Median Income

Definitions

Non-citizen

Born in US, Puerto Rico, U.S. Island Areas, or born abroad to U.S. citizen parent	Native-born	
Not born in US	Foreign-born; Naturalized citizen	Foreign-born; Not a U.S. Citizen

How Many Foreign-born Are There In Greater Philadelphia?



Foreign-born	563,603
Native-born	5,012,845
Total Population	5,576,448

Where do Greater Philadelphia's Foreign-born Live?

Foreign-born by County



Number of Foreign-born by County



Percentage Native-Born and Foreignborn by County



Number of Immigrants



Municipalities with Highest Number of Immigrants
Philadelphia City
Trenton City
Upper Darby Township
Hamilton Township
Camden City
Cherry Hill Township
Bensalem Township
East Windsor Township
West Windsor Township
Lawrence Township
Lower Merion Township
Norristown Borough
Upper Merion Township
Voorhees Township
Pennsauken Township

Percentage of Immigrants





Foreign-born Contribution to Population Growth



Source: Metropolitan Philadelphia Indicators Project (<u>http://mpip.temple.edu/mpip/documents/Foreign_Population_Policy_Brief_final.pdf</u>)

Immigrants by 2035 Planning Area

2035 Planning Area	Total # of Municipalities	Total Population	Total # of Foreign-born	% of Total Population in Planning Area Who Are Foreign-born	% of Foreign- born Living in Planning Area
Core City	4	1,702,642	204,293	12.0%	36.2%
Developed Community	199	2,446,810	246,599	10.1%	43.8%
Growing Suburb	90	1,106,471	96,194	8.7%	17.1%
Rural Area	60	320,525	16,517	5.2%	2.9%
TOTAL	353	5,576,448	563,603		

Where are Greater Philadelphia's Foreign-born From?



Year of Entry by Place of Birth in Greater Philadelphia



Year of Entry for Foreign-born by County



Education



Housing Tenure in Greater Philadelphia



Vehicle Availability

Country	Notivity	Vehicles Available		Monain of Ennon	
County	Nativity	None	1 or More	 Margin of Error 	
Burlington County, NJ	Native	4.7%	95.3%	+/-0.3	
	Foreign-born	7.0%	93.0%	+/-1.4	
Comdon County NL	Native	11.3%	88.7%	+/-0.5	
Camden County, NJ	Foreign-born	12.3%	87.7%	+/-1.8	
Gloucester County, NJ	Native	5.4%	94.6%	+/-0.5	
	Foreign-born	9.8%	90.2%	+/-2.9	
Margar County NLL	Native	11.5%	88.5%	+/-0.6	
Mercer County, NJ	Foreign-born	11.9%	88.1%	+/-1.4	
Bueles County DA	Native	4.0%	96.0%	+/-0.3	
Bucks County, PA	Foreign-born	6.0%	94.0%	+/-1.2	
	Native	4.6%	95.4%	+/-0.3	
Chester County, PA	Foreign-born	4.4%	95.6%	+/-1.0	
	Native	10.6%	89.4%	+/-0.4	
Delaware County, PA	Foreign-born	12.1%	87.9%	+/-1.9	
	Native	5.6%	94.4%	+/-0.2	
Montgomery County, PA	Foreign-born	6.9%	93.1%	+/-1.1	
Dhiladalahia County DA	Native	34.2%	65.8%	+/-0.5	
Philadelphia County, PA	Foreign-born	28.9%	71.1%	+/-1.2	

Median Household Income



Occupations



Worker Class



Concluding Thoughts

Greater Philadelphia's foreign-born population is:

- fast growing
- extremely diverse
- not just a city phenomenon

Additional Reports

Data Snapshot #2: Philadelphia, Upper Darby and East Windsor Data Snapshot #3: Trenton, Cherry Hill, Bensalem, Lower Merion





✓ @DVRPC



@GlobalPhilly13

Thank you for your attention

