



Technical Process & Guidelines

Pittsburgh Street Paving Plan

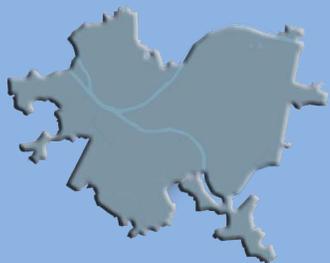
April 2012

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City of Pittsburgh Street Paving Process

Overview

The Department of Public Works (DPW) is responsible for paving streets within the City of Pittsburgh. The DPW is not responsible for State, County, or private roads that pass through the city limits. The Asphalt Paving Division of DPW contracts, supervises, and inspects the roadwork performed within the City. The City of Pittsburgh also employs an in-house paving crew. The in-house paving crew supplements contractor services by performing maintenance and resurfacing on city-owned properties, some tertiary streets, and other special projects. The maintenance departments of individual DPW divisions, of which there are six, perform localized roadwork, such as pothole repair and patching.

The Asphalt Paving Division uses an electronic database for tracking, monitoring, and scheduling street maintenance. This Pavement Management System (PMS) itemizes streets based on individual street segments defined by road surface type, but, generally, from intersection to intersection.

Timing

Based on environmental conditions, the street paving work season can only be performed between April 15th and November 20th. In mid-winter, using the department budget (which is legislated as a component of the City of Pittsburgh's budget) the Supervisor for the Asphalt Paving Division estimates the total mileage of resurfacing that can be accomplished for the upcoming work season. This estimate is based on historical data and incorporates the bid estimates from contractors for the following five contracts: road paving, materials, milling, ADA compliance, and concrete work. The two-year contracts for this work are typically in place by March 1st. Using the total mileage estimates for resurfacing work, the Asphalt Division Supervisor tentatively allots a percentage of the total miles for each DPW division. The Asphalt Paving Supervisor solicits recommendations from the DPW division supervisors for high-priority paving needs from their respective divisions. DPW staff, including the Department Director and other senior members, review and vet the recommendations before generating a finalized resurfacing list by April 1st. The DPW shares this list with public utility companies and other vested organizations in order to better plan for and avoid street disruptions. Although the list is circulated with many outside organizations, the DPW is flexible in responding to urgent or unforeseen street maintenance

requirements. The DPW adjusts the street-paving priorities to repair emergency underground utility work and road damage caused by natural disasters.

2012 Street Paving Plan

Goals

Although the budget for street resurfacing has not increased significantly, the DPW is ambitious in its desire to increase the total miles of paving for the 2012 work season. The total City resurfacing may increase from over 30 “lane miles” accomplished in 2011 up to near 60 “lane miles” for the upcoming 2012 work season. This change will represent a near 100% increase in the number of paved miles for the 2012 season.

Strategy

The average life of a surfaced street is 10-12 years. Street resurfacing is prioritized based on outlined criteria and defined for primary, secondary, and tertiary streets. Streets to be resurfaced are compiled from the following criteria:

1. Overall street condition—this is cataloged in the Cartègraph Pavement Management System (PMS)
2. High traffic volume streets
3. Condition of surrounding streets
4. Time since last resurfacing

Standards

The Asphalt Paving Division will be following new specifications outlined by the PA Department of Transportation. Based on these new specifications, tertiary streets will receive a resurfacing treatment commensurate with lower traffic volumes. These processes will require less construction material and allow the Asphalt Paving Division to accomplish additional resurfacing mileage. These

specifications have been proven in other cities like Philadelphia and are components of a best-practices resurfacing agenda being adopted throughout the country.

2012 Proposed Street Resurfacing List

The proposed resurfacing list is subject to change based on utility disruptions and other unforeseen events. DPW updates resurfacing priorities throughout the work season; final documentation of all resurfaced streets will take place in December 2012.

DPW DIVISION ONE			DPW DIVISION ONE		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
BELLEAU DR	CUL DE SAC	BELLEAU ST	MT TROY RD EXT	CITY LIMIT	IVORY AVE
BIDWELL ST	STEDMAN	WESTERN AVE	PERRYSVILLE AVE	FEDERAL ST	FEDERAL ST
BRAHM ST	BUENTE	124 BRAHM	PERRYSVILLE AVE	FEDERAL EXT N	MARSHALL AVE
BRIGHTON RD	BRIGHTON PL	RIVERSEA RD	RIALTO ST	CITYLINE	LEY ST
BRIGHTON RD	RIVERSEA RD	RIDGE AVE	ROMANHOFF ST	HESPEN ST	ROCKLEDGE ST
BUENTE	LAPPE LANE	OVERBECK	STAYTON ST	MARSHALL AVE	INGHAM ST
CHELLIS ST	CAMBRONE ST	BRIGHTON RD	SUFFOLK ST	HAZELTON COURT	EAST ST
EAST ST	EVERGREEN	PERRYSVILLE AVE	TERMON AVE	CALIFORNIA AVE	BRIGHTON RD
GARDNER ST	HERMAN ST- LOWRIE	HATTERAS ST	VINIAL ST	(PWSA)	ALL TERMINALS
GRAND AVE	ROTHPLETZ	CENTRAL AVE	VIRUTH ST	BRIGHTON	BENTON
HIGH ST	FIRTH	ARCOLA	W NORTH AVE	FEDERAL ST N	BRIGHTON RD
HOMER ST	WALZ ST	SPRING GARDEN AVE			
LOWRIE ST	LEY ST	GARDNER ST			

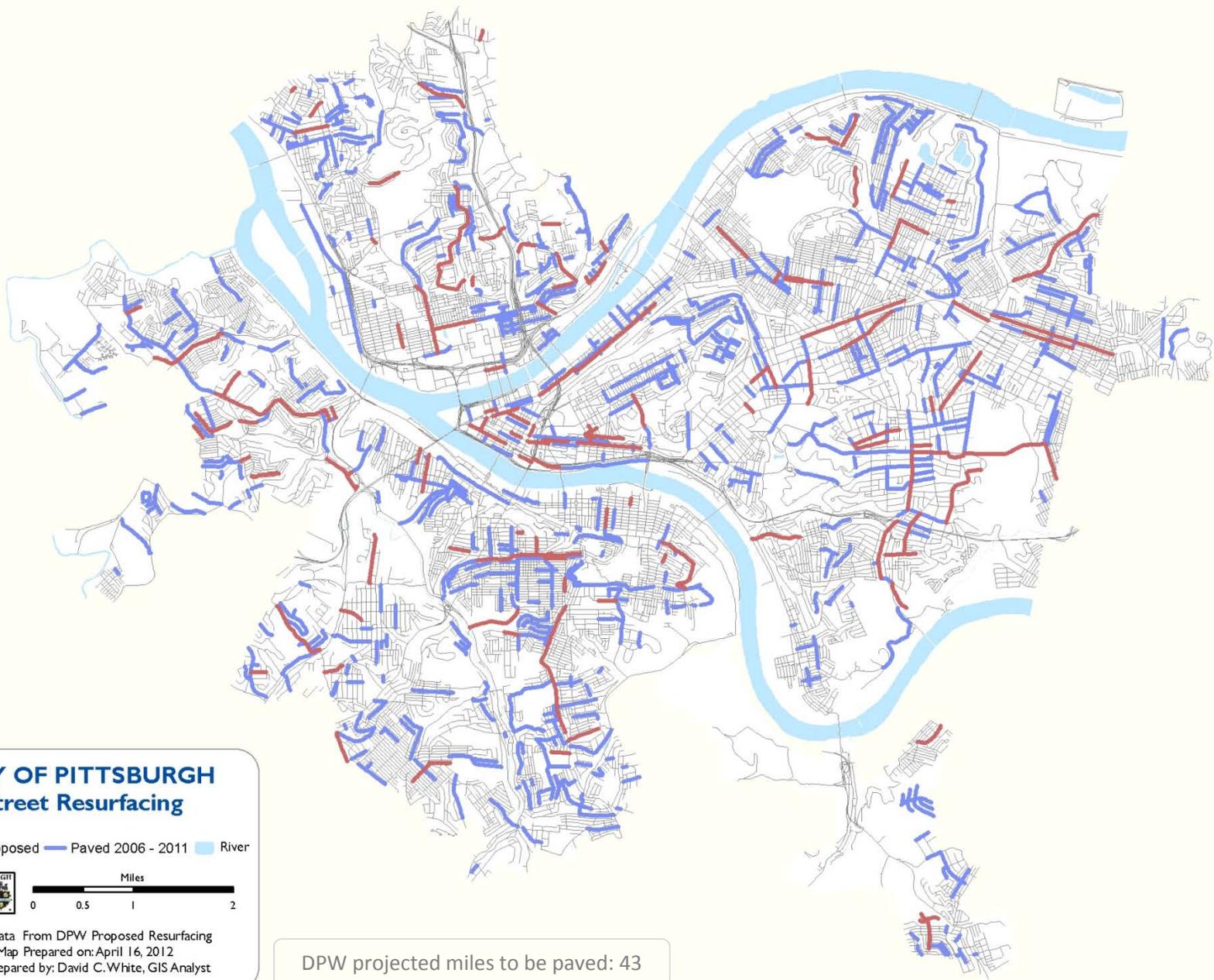
DPW DIVISION TWO			DPW DIVISION TWO		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
BAKER ST	BUTLER BY 62ND	BUTLER BY 62ND	KELLY ST	OAKWOOD ST	5TH AVE
BRYANT ST	SHERIDAN	FARRAGUT	KING AVE	END	WELLESLEY AVE
CAMELIA ST	ANTOINETTE ST	WOODBINE ST	LINCOLN AVE	VERONA RD	ATWELL ST @ BRDG
CHRISTOPHER ST	57TH ST	CAMELIA ST	MAIN ST	PENN AVE	BUTLER ST
ELLSWORTH AVE	S AIKEN AVE	SPAHR ST	N NEGLEY AVE	STANTON AVE	EAST LIBERTY BLVD
FRIENDSHIP AVE	EDMOND ST	S ATLANTIC AVE	PEARL ST	LIBERT AVE	FRIENDSHIP
HAMILTON AVE	N MURTLAND ST	COLLIER ST	ROSECREST DR	SOMERVILLE ST	SCHENLEY MANOR DR
HAMILTON AVE	5TH AVE	EAST LIBERTY BLVD	SIMONA DR	CAMELIA ST	WOODBINE ST
			STANTON AVE	N NEGLEY AVE	N HIGHLAND AVE

DPW DIVISION THREE			DPW DIVISION THREE		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
AYLESBOR	WIGHTMAN	FORBES AVE	LILAC ST	DEAD END	BEECHWOOD BLVD
BASIC AVE	ARMORHILL	CITY LINE	MARLBOROUGH	SHADY AVE	MURRAY AVE
BAYARD ST	CRAIG ST	BIGELOW BLVD	MOREWOOD	FORBES AVE	ELLSWORTH
BEECHWOOD BLVD	SHAW AVE	FORWARD AVE	MURRAY AVE	BURCHFIELD AVE	MORROWFIELD AVE
BEECHWOOD BLVD	FORBES AVE	S DALLAS AVE	MURRAY AVE	HAZELWOOD AVE	BURCHFIELD AVE
BIGELOW	OHARA	5TH	MURRAY AVE	FORWARD AVE	FORBES AVE
CENTRE	MOREWOOD	HIGHLAND	NORTHUMBERLAND ST	S. NEGLEY AVE	FORBES AVE
COX AVE	ALL		REED ST	MILLER ST	PRIDE ST
COX PLACE	ALL		S BRADDOCK AVE	CITY LIMIT	FORBES AVE
CRAIG ST	FORBES AVE	5TH	S LINDEN AVE	PENN AVE	BEECHWOOD BLVD
DENNISTON ST	HASTINGS ST	WILKINS AVE	SALINE ST	DEAD END	BEECHWOOD BLVD
FORBES AVE	S BRADDOCK AVE	S DALLAS AVE	SHADY AVE	FORWARD AVE	LILAC ST
FORBES AVE	BEECHWOOD BLVD	MURRAY AVE	VINE ST	FORESIDE PL	5TH AVE
GREENFIELD AVE	KAECHER ST	2ND AVE	WATSON ST	MOULTRIE ST	PRIDE ST
KIRKPATRICK ST	CENTRE AVE	BENTLEY DR			

DPW DIVISION FOUR				DPW DIVISION FOUR		
Street Name	From Intersection	To Intersection		Street Name	From Intersection	To Intersection
ALLEN ST	MCLAIN ST	E WARRINGTON AVE		JOSEPHINE ST	ARLINGTON AVE	S 26th ST
BAUSMAN ST	MATHEWS AVE	SAW MILL RUN BLVD		MANTON WAY	AMANDA ST	ARLINGTON AVE
BON AIR AVE	TARRAGONNA ST	CONNISTON AVE		MCNEILLY AVE	MIDLAND ST	PIONEER AVE
BROSVILLE ST	E WARRINGTON AVE	ST MARTIN		OAKLEY WAY	SUMNER ST	MISSION ST
BROWNSVILLE RD	BAUSMAN ST	MCKINLEY ST		OAKRIDGE ST	PARK ENTRANCE	WOODBORNE AVE
BROWNSVILLE RD	COPPERFIELD	MCKINLEY ST		S 18TH ST	JANE ST	MARY ST
DAWES ST	LUTHER ST	MOUNTAIN AVE		S 18TH ST	E CARSON ST	JANE ST
E AGNEW AVE	DOWLING ST	BROWNSVILLE RD		S 21st ST	WHARTON ST	SIDNEY ST
E. AMANDA AVE	CHARLES ST	ARLINGTON AVE		SCIENCE ST	DEAD END	BELTZHOOVER AVE
EAST WARRINGTON	ALL			W WOODFORD AVE	PLATEAU ST	BROWNSVILLE RD

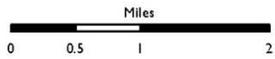
DPW DIVISION FIVE				DPW DIVISION FIVE		
Street Name	From Intersection	To Intersection		Street Name	From Intersection	To Intersection
ALEXANDER ST	STEUBEN ST	NEPTUNE ST		MINOTTE SQ	WOODVILLE AVE	WABASH ST
ARNOLD ST	REESE WAY	OBEY AVE		OLYMPIA	PIERMONT	GRANDVIEW AVE
BERRY ST	LADOGA	CHARTIERS AVE		PAUL ST	DEAD END	BOGGS
BIGHAM RD	OMAHA	GRANDVIEW AVE		PERRICREST DR	HIGH OAK DR	ALLENDER AVE
CARNAHAN RD	OLD BANKSVILLE RD	CRANE AVE		RIDENOUR AVE	CRAFTON BLVD	EARLHAM ST
CLAIRHAVEN ST	NORWALK ST	STRATMORE ST		SANCTUS ST	STEUBEN ST	NEPTUNE ST
CLAIRTONIC ST	DEAD END	STRATMORE ST		STEUBEN ST	MIDDLETOWN RD	ALEXANDER ST
COLESCOTT	SHADYHILL	NOBLESTOWN		TROPICAL AVE	DEAD END	CRANE AVE
CROSBY AVE	WENTZELL AVE	BROADWAY AVE		WOODLOW ST	CRUCIBLE ST	STEUBEN ST
GOLDSTRUM AVE	BANKSVILLE RD	RUTHERFORD AVE		WOODVILLE AVE	I-376 RAMP	GREENTREE RD
ISOLINE ST	DEAD END	MIDDLETOWN RD				
JEROME	COVERDALE	ALLENDALE				

DPW DIVISION SIX			DPW DIVISION SIX		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
1ST AVE	MUNICIPAL COURTS DR	ROSS ST	LIBERTY AVE	9TH ST	5TH AVE
2ND AVE	10TH ST BRIDGE	MUNICIPAL COURTS DR	PENN AVE	6TH ST	STANWIX ST
6TH AVE	LIBERTY AVE	GRANT ST	PENN AVE	11TH ST	16TH ST
BLVD OF THE ALLIES	SMITHFIELD ST	COMMONWEALTH PL	ROSS ST	6TH AVE	5TH AVE
COLWELL ST	DEAD END	PRIDE ST	SPRING WAY	30TH ST	16TH ST
FORBES AVE	ARMSTRONG TUNL	ROSS ST	STANWIX ST	LIBERTY AVE	BLVD OF THE ALLIES
FORBES AVE	SMITHFIELD ST	GRANT ST	WATSON ST	CHATHAM SQ	BOYD ST
GENERAL ROBINSON ST E	SANDUSKY ST	ANDERSON ST	WATSON ST	MAGEE	CHATHAM SQ
GENERAL ROBINSON ST E	FEDERAL ST S	SANDUSKY ST	WATSON ST	PRIDE ST	STEVENSON



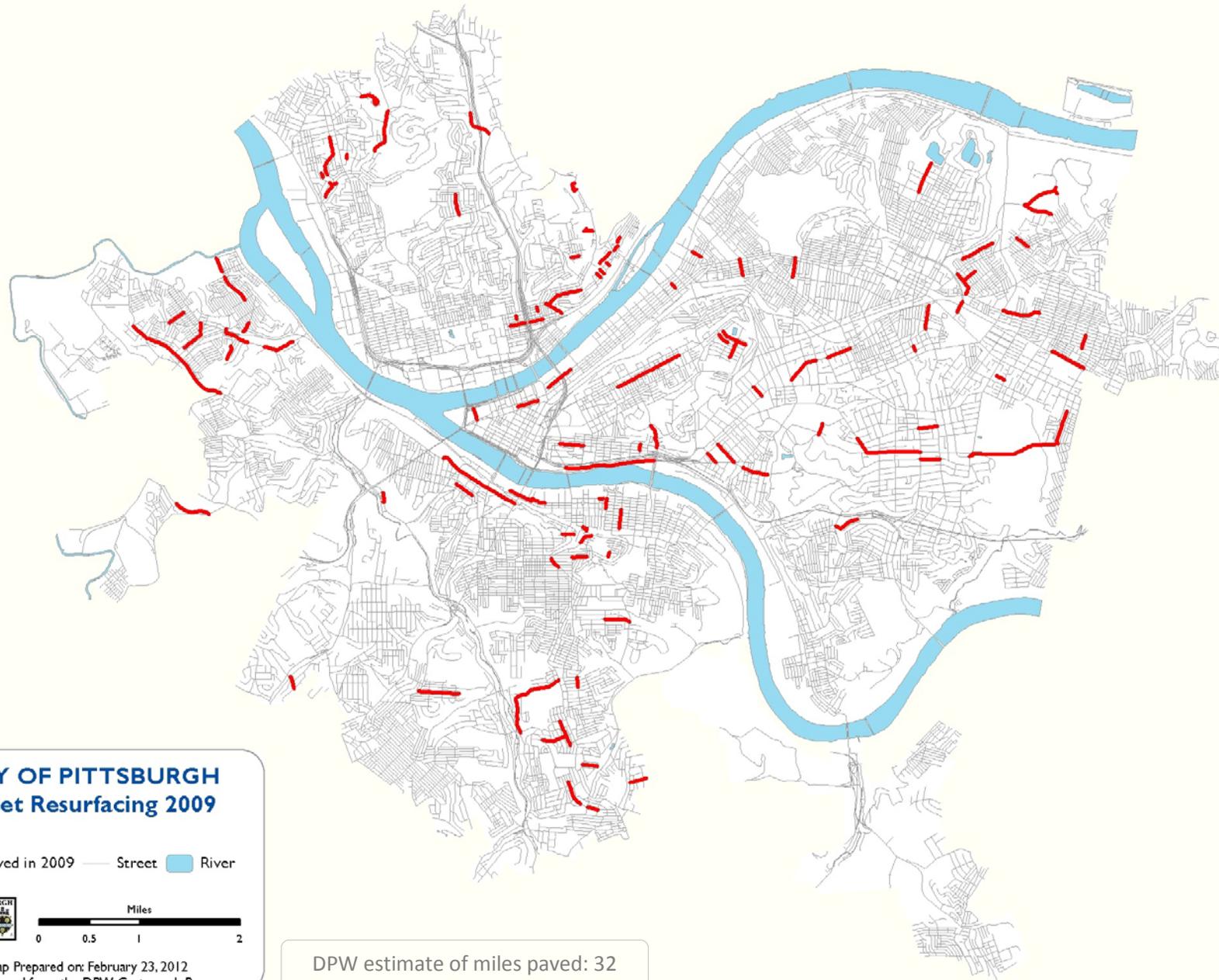
CITY OF PITTSBURGH Street Resurfacing

— 2012 Proposed — Paved 2006 - 2011 — River



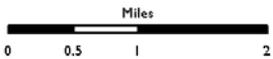
2012 Data From DPW Proposed Resurfacing
Map Prepared on: April 16, 2012
Map Prepared by: David C. White, GIS Analyst

DPW projected miles to be paved: 43



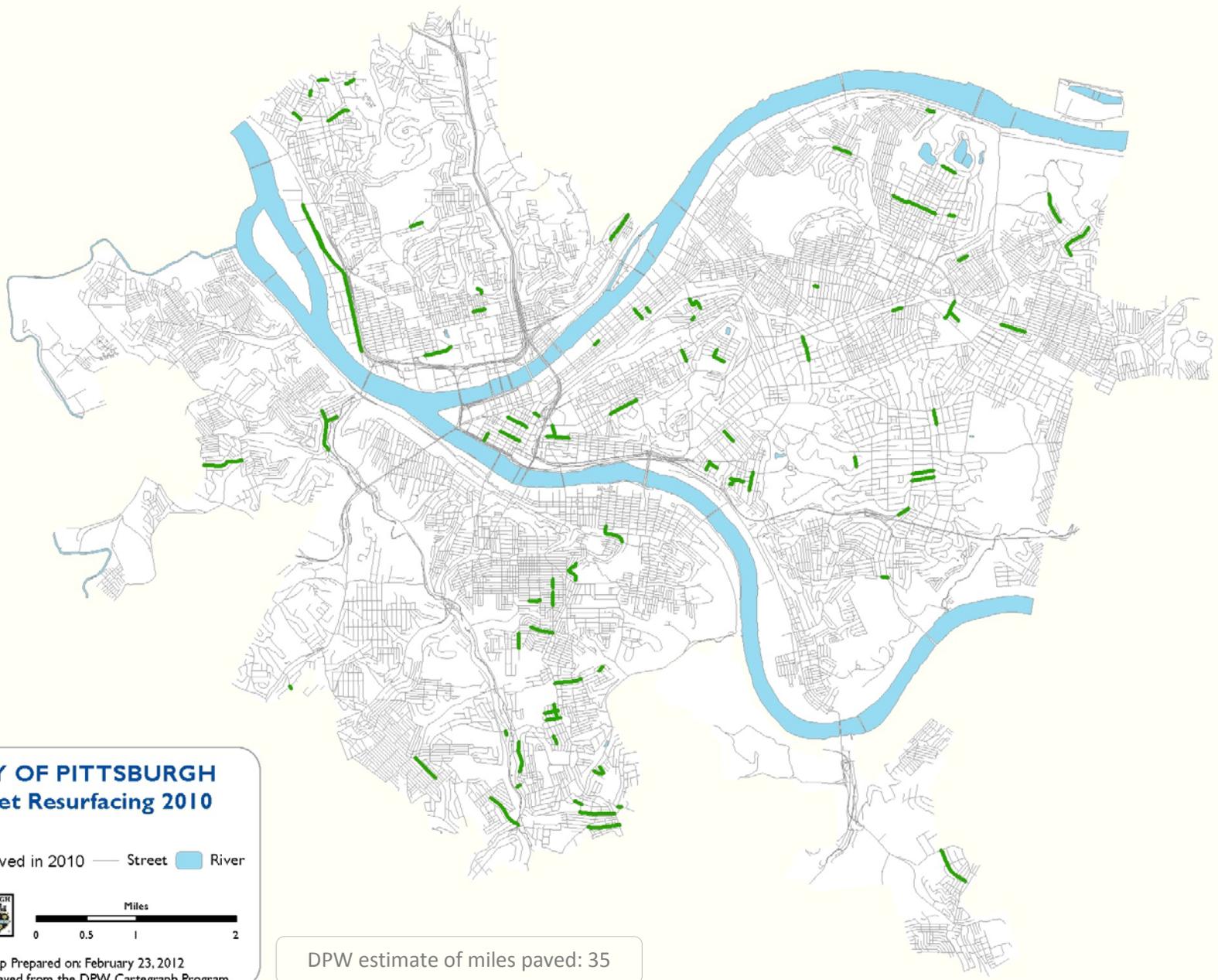
**CITY OF PITTSBURGH
Street Resurfacing 2009**

— Paved in 2009 — Street — River



Map Prepared on: February 23, 2012
Data Retrieved from the DPW Cartograph Program

DPW estimate of miles paved: 32



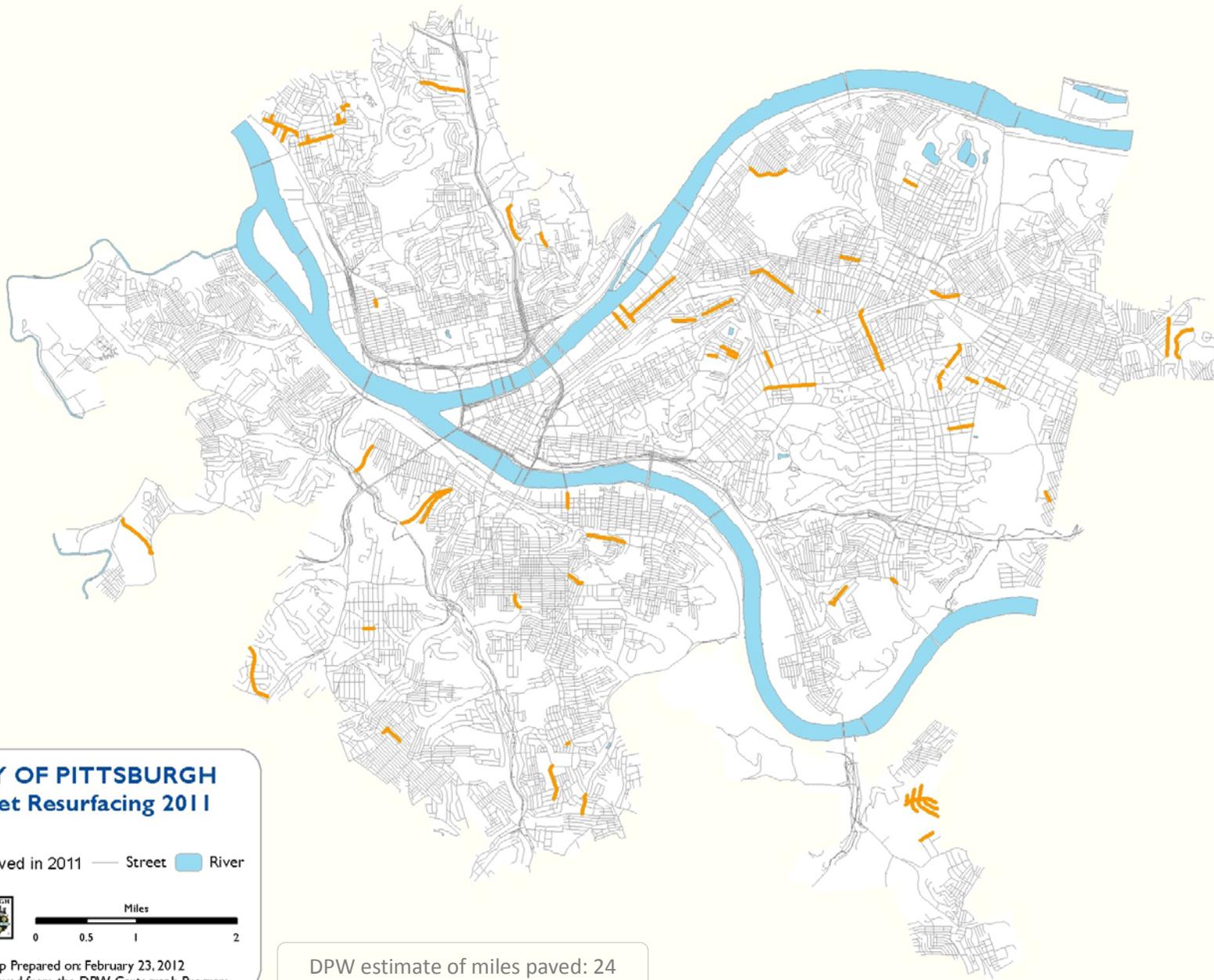
CITY OF PITTSBURGH
Street Resurfacing 2010

— Paved in 2010 — Street — River



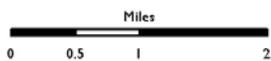
Map Prepared on: February 23, 2012
 Data Retrieved from the DPW Cartograph Program

DPW estimate of miles paved: 35



**CITY OF PITTSBURGH
Street Resurfacing 2011**

— Paved in 2011 — Street — River



Map Prepared on: February 23, 2012
Data Retrieved from the DPW Cartograph Program

DPW estimate of miles paved: 24