



Technical Process & Guidelines

# Pittsburgh Street Paving Plan

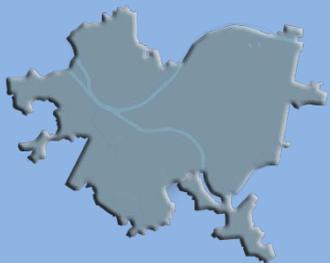
May 2013

**Luke Ravenstahl**

Mayor of the City of Pittsburgh

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Director, Department of Public Works





*CITY OF*  
**PITTSBURGH**

*"AMERICA'S MOST LIVABLE CITY"*

*LUKE RAVENSTAHL, MAYOR*

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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 15<sup>th</sup> and November 20<sup>th</sup>. 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 1<sup>st</sup>. 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 1<sup>st</sup>. 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.

## 2013 Street Paving Plan

### Goals

The Department of Public Works will pave approximately 40 miles of streets this year.

### 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.

## 2013 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 2013.

DPW DIVISION ONE			DPW DIVISION ONE		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
BRIGHTON RD	RIDGE AVE	RIVERSEA RD	KENWOOD AVE	PERRYSVILLE AVE	WILSON AVE
BRIGHTON RD	BRIGHTON PL	MARSHALL AVE	LINWOOD AVE	N CHARLES ST	MARSHALL AVE
BRULE ST	WURZELL AVE	MAGNET ST	LOWRIE ST	GARDNER ST	LEY ST
CALIFORNIA AVE	BAINTON ST	DAVIS AVE	MAIRDALE AVE	PERRYSVILLE AVE.	WOODS RUN AVE
CALIFORNIA AVE	BAINTON ST	FORSYTHE ST	NORWOOD AVE	N CHARLES ST	HAWKINS ST
CATOMA ST	MEADVILLE ST	WARREN ST	OAK PARK RD	NORWOOD AVE	HARROW WAY
FINEVIEW AVE	LANARK ST	DEAD END	RISING MAIN AVE	LANARK ST	WARREN ST
HARROW WAY	OAK PARK RD	OAK PARK RD	W NORTH AVE	FEDERAL ST N	BRIGHTON RD
HOFF ST	GARDNER ST	DEAD END	W NORTH AVE	BRIGHTON RD	FONTELLA ST
JACKSONIA ST	FEDERAL ST	MONTEREY ST	WELFER ST	MIRROR ST	WINDSER ST

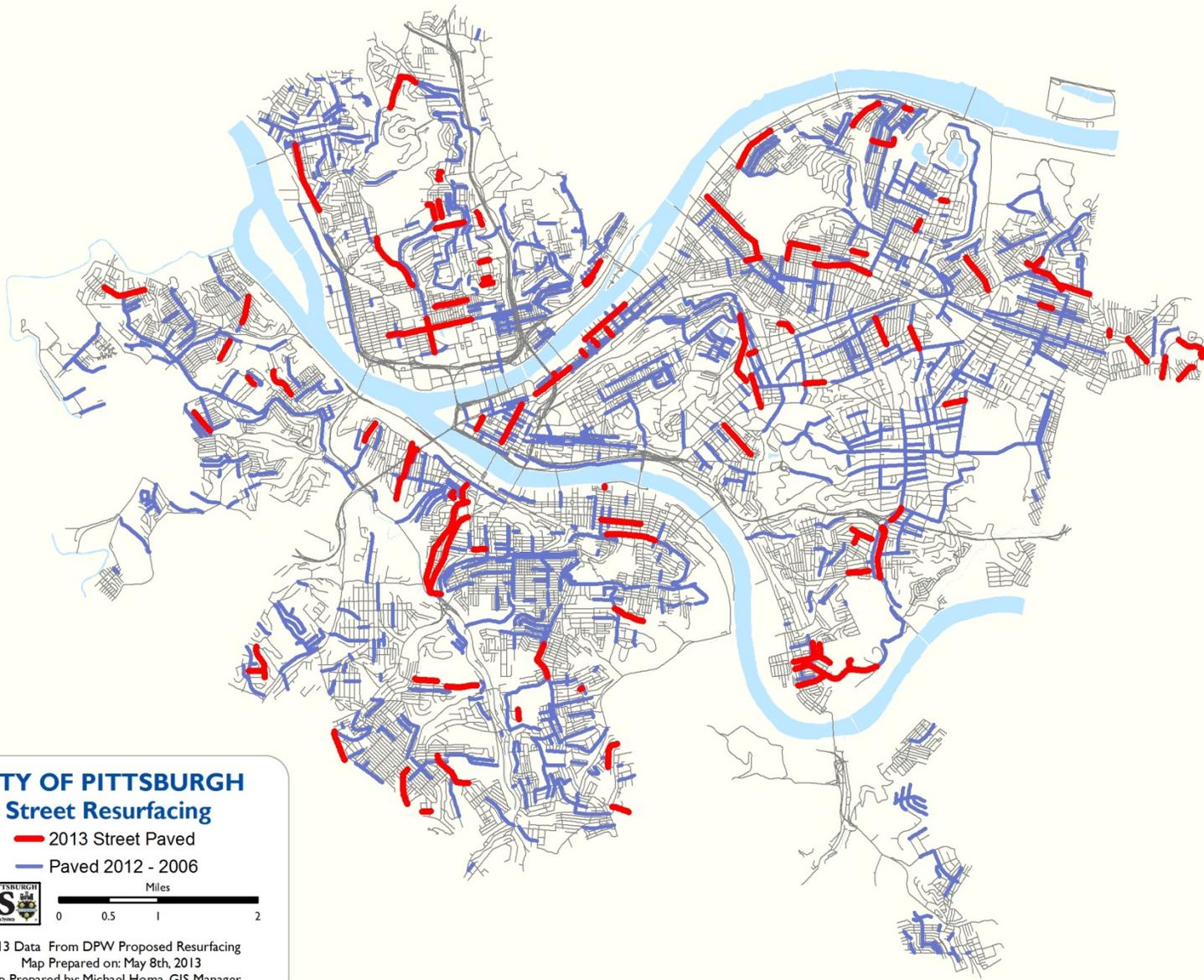
DPW DIVISION TWO			DPW DIVISION TWO		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
45TH ST	HATFIELD ST	PENN AVE	N BEATTY ST	STANTON AVE	JACKSON ST
5TH AVE	MOREWOOD AVE	AMBERSON AVE	N MATHILDA ST	PENN AVE	MOSSFIELD ST
ADELPHIA ST	HAWTHORNE CT	GREENWOOD ST	PENN AVE	N EVALINE ST stay 100ft off	N NEGLEY AVE
APPLE AVE	LINCOLN AVE	UPLAND ST	ROSETTA ST	N GRAHAM ST	N FAIRMOUNT ST
ARBOR ST	POINTVIEW ST	LINCOLN AVE	SHADY AVE	WALNUT ST	5TH AVE
BERLIN WAY	51ST ST	UNNAMED80C WAY	SHETLAND ST	LARIMER AVE	LINCOLN AVE
BERLIN WAY	MCCANDLESS ST	55TH ST	STRANAHAN ST	APPLE AVE	BRUSHTON AVE
BRYANT ST	SHERIDAN AVE	FARRAGUT ST	SUNRISE AVE	ROBINSON BLVD	SONNY ST
COLLEGE AVE	ELSWORTH AVE	WALNUT ST	SWISSVALE AVE	CITY LIMIT	CALISTOGA PL
FUCHSIA WAY	N LANG AVE	N HOMEWOOD AVE	TOKAY ST	CALISTOGA ST	FRANKSTOWN AVE
GAEL WAY	JANCEY ST	CHISLETT ST	VILLANOVA RD	VILSACK ST	DEAD END
HAWTHORNE ST	FARMINGTON ST	HAWTHORNE CT	VILSACK ST	DUFFIELD ST	VILLANOVA RD
KINCAID ST	N MATHILDA ST	N EVALINE ST	WHEELER ST	FRANKSTOWN AVE	MOHLER ST
MILGATE ST	MAIN ST	FRIENDSHIP AVE	WILNER DR	ROBINSON BLVD	EAST HILLS DR
MOREWOOD AVE	S MILLVALE AVE	BAUM BLVD			

DPW DIVISION THREE			DPW DIVISION THREE		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
2ND AVE	ASPHALT	ARROW CONCRETE	JOHNSTON AVE	2ND AVE	RIVERMONT DR
ALLUVIAN ST	RENOVA ST	2ND AVE	KINSMAN RD	WILKINS AVE	S DALLAS AVE
AMPERE ST	E ELIZABETH ST	NORDICA ST	MANSION ST	2ND AVE	JOHNSTON AVE
ATWOOD ST	FORBES AVE	DAWSON ST	MURRAY AVE	FORWARD AVE	MORROWFIELD AVE
BEECHWOOD BLVD	HAZELWOOD AVE	FORWARD AVE	N BELLEFIELD AVE	5TH AVE	BAYARD ST
BIGELOW BLVD	N CRAIG ST	BAYARD ST	ROBINSON ST EXT	ROBINSON CT	CENTRE AVE
CENTRE AVE	N DITHRIDGE ST	N CRAIG ST	ROSSELLE CT	JOHNSTON AVE	DEAD END
E ELIZABETH ST	2ND AVE	DEAD END	S BELLEFIELD AVE	5TH AVE	FORBES AVE
EXETER ST	FRANK ST	GREENFIELD AVE	STEELE CT	E ELIZABETH ST	DEAD END
FRANK ST	WELFER ST	LILAC ST	WELFER ST	MIRROR ST	WINDSER ST

DPW DIVISION FOUR			DPW DIVISION FOUR		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
ALCOVE WAY	TRANSVERSE AVE	DEAD END	HOLCOMB AVE	ROCKFORD AVE	BELTRAM AVE
BREINING ST	BROOKLINE BLVD	GROVELAND ST	JANE ST	S 18TH ST	S 23RD ST
BRINWOOD AVE	WATERMAN AVE	CITY LIMIT	JOSEPHINE ST	S 18TH ST	KOSCIUSKO WAY
BROWNSVILLE RD	MCKINLEY ST	LAUGHLIN	MC NEILLY AVE	MIDLAND ST	PIONEER AVE
CHURCHVIEW AVE	SPENCER AVE	CITY LIMIT	PARKWOOD RD	MOUNTAIN AVE	DEAD END
CRYSLER ST	PIONEER AVE	HERMAN DR	S 18TH ST	RIVERSIDE MEWS	SOUTH SHORE CT
DUNSTER ST	LA MOINE ST	ABSTRACT AVE	SUSSEX AVE	BERKSHIRE AVE	CEDRIC AVE (McNeily)
ELLEDELL ST	GLADE ST	BELLAMY PL			

DPW DIVISION FIVE			DPW DIVISION FIVE		
Street Name	From Intersection	To Intersection	Street Name	From Intersection	To Intersection
ARNOLD ST	STEBEN ST	OBEY AVE	HALLOCK ST	GRANDVIEW AVE	PIERMONT ST
ATHLONE WAY	OCTAVE WAY	DEAD END	HIDDEN TIMBER DR	LESSING ST	DEAD END
BOGGS AVE	WYOMING ST	W WARRINGTON AVE	HIGH OAK DR	HAYSON AVE	POTOMAC AVE
CHARTIERS AVE	OLTMAN ST	WARFLE ST	NARCISSUS AVE	BRUNOT AVE	GLEN MAWR ST
CHARTIERS AVE	LORENZ AVE	NITTANY ST	PERRICREST DR	HIGH OAK DR	ALLENDER AVE
CLAIRTONIC ST	STRATMORE ST	DEAD END	PIADO WAY	HALLOCK ST	OLYMPIA ST
FIERRO WAY	DEAD END	DEAD END	ROHM WAY	PIADO WAY	PIERMONT ST
GASKEL ST	GUERDON WAY	CUTHBERT ST	SECANE AVE	RUTH ST	LACLEDE ST
GUERDON WAY	VIRGINIA AVE	GASKEL ST	SEWARD ST	RUTLEDGE ST	DEAD END
HALLOCK ST	VIRGINIA AVE	DEAD END	SHILOH ST	GRANDVIEW AVE	SOUTHERN AVE
ARNOLD ST	STEBEN ST	OBEY AVE	SOUTHERN AVE	VIRGINIA AVE	BOGGS AVE

DPW DIVISION SIX		
Street Name	From Intersection	To Intersection
14TH ST	SMALLMAN ST	PENN AVE
19TH ST	SMALLMAN ST	PENN AVE
22ND ST	SMALLMAN ST	PENN AVE
25TH ST	SMALLMAN ST	SPRING WAY
PENN AVE	11TH ST	16TH ST
RAILROAD ST	21ST ST	28TH ST
SMITHFIELD ST	BLVD OF THE ALLIES	LIBERTY AVE
STANWIX ST	BLVD OF THE ALLIES	LIBERTY AVE
14TH ST	SMALLMAN ST	PENN AVE

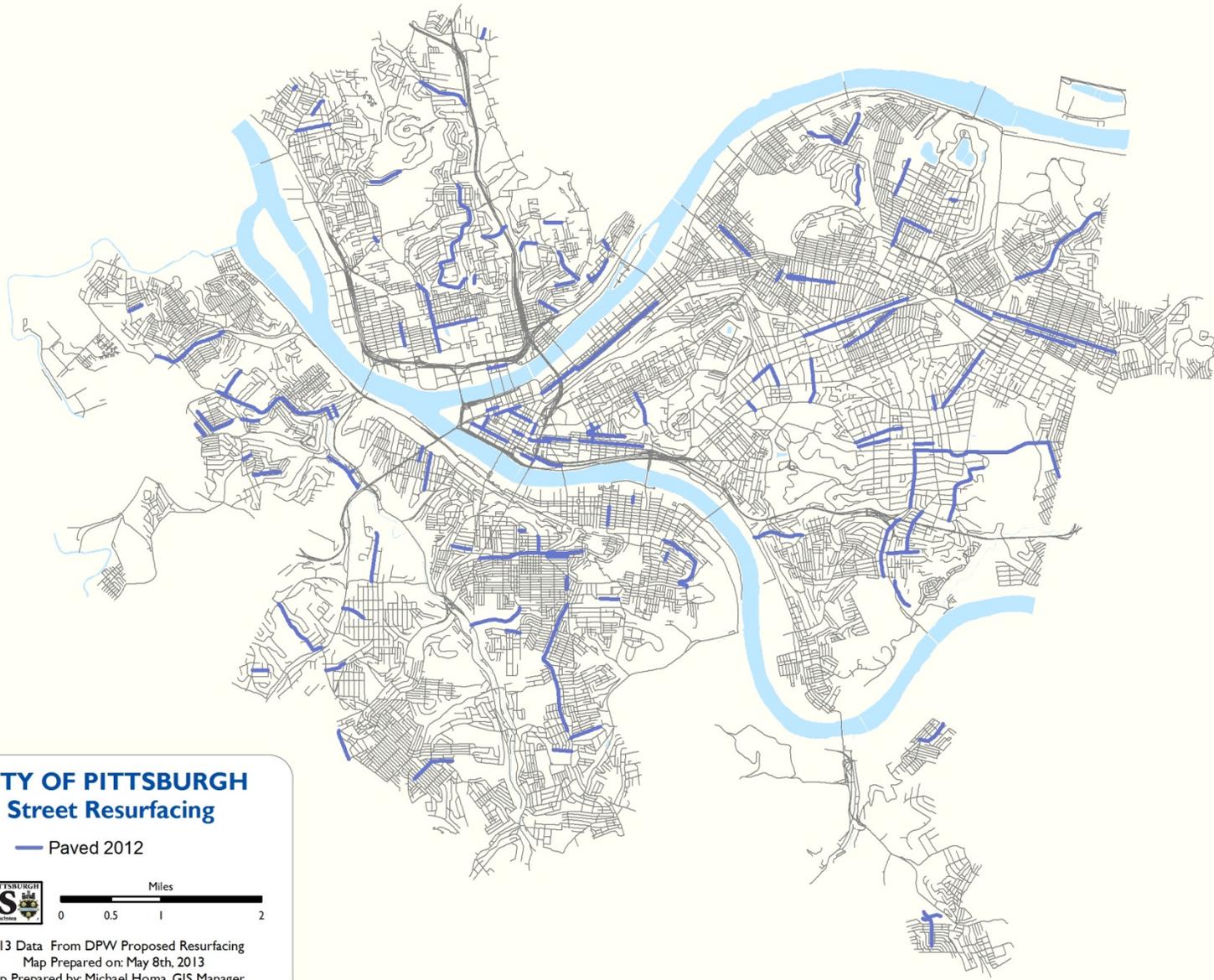


**CITY OF PITTSBURGH**  
**Street Resurfacing**

- 2013 Street Paved
- Paved 2012 - 2006



2013 Data From DPW Proposed Resurfacing  
Map Prepared on: May 8th, 2013  
Map Prepared by: Michael Homa, GIS Manager

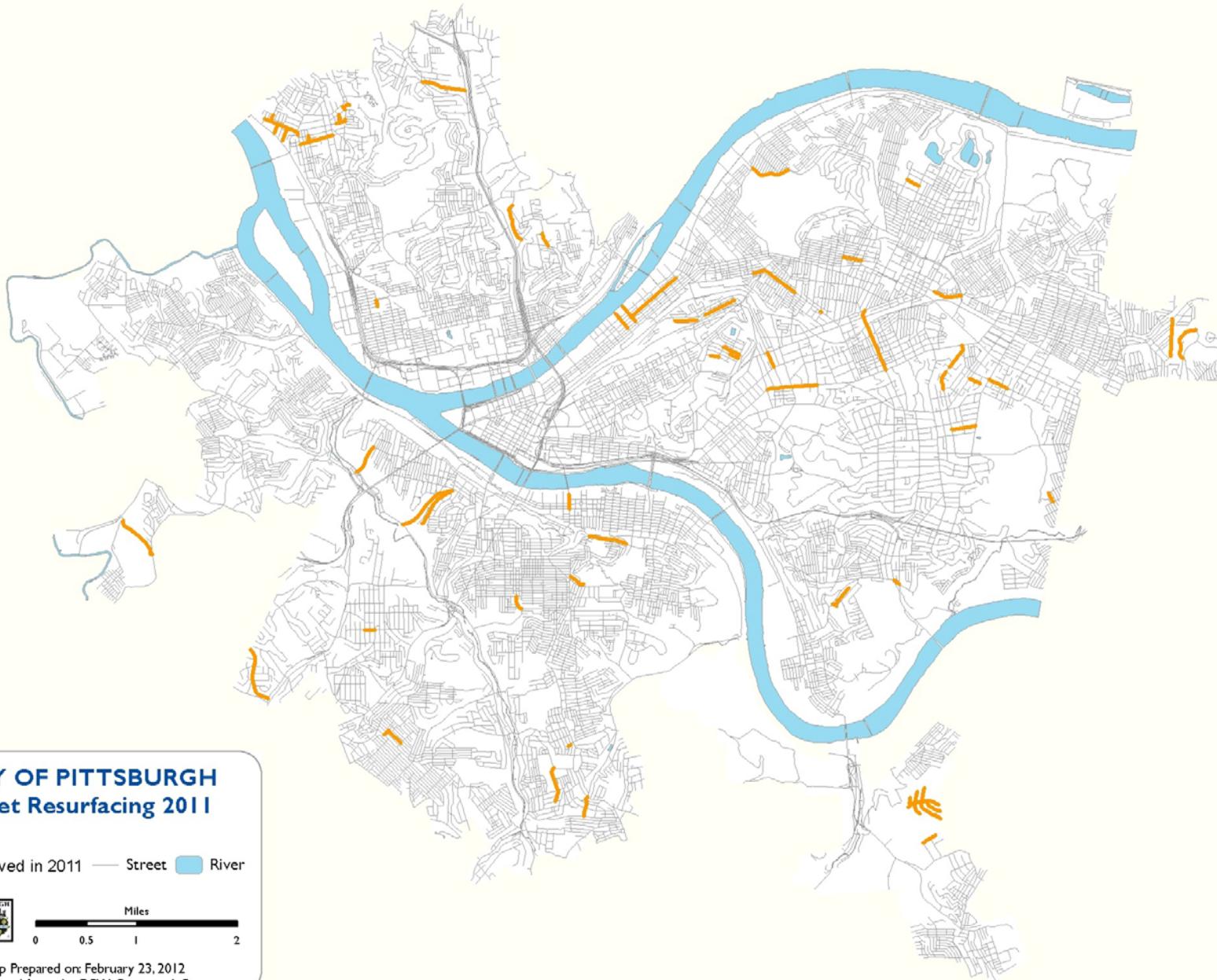


### CITY OF PITTSBURGH Street Resurfacing

— Paved 2012

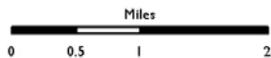


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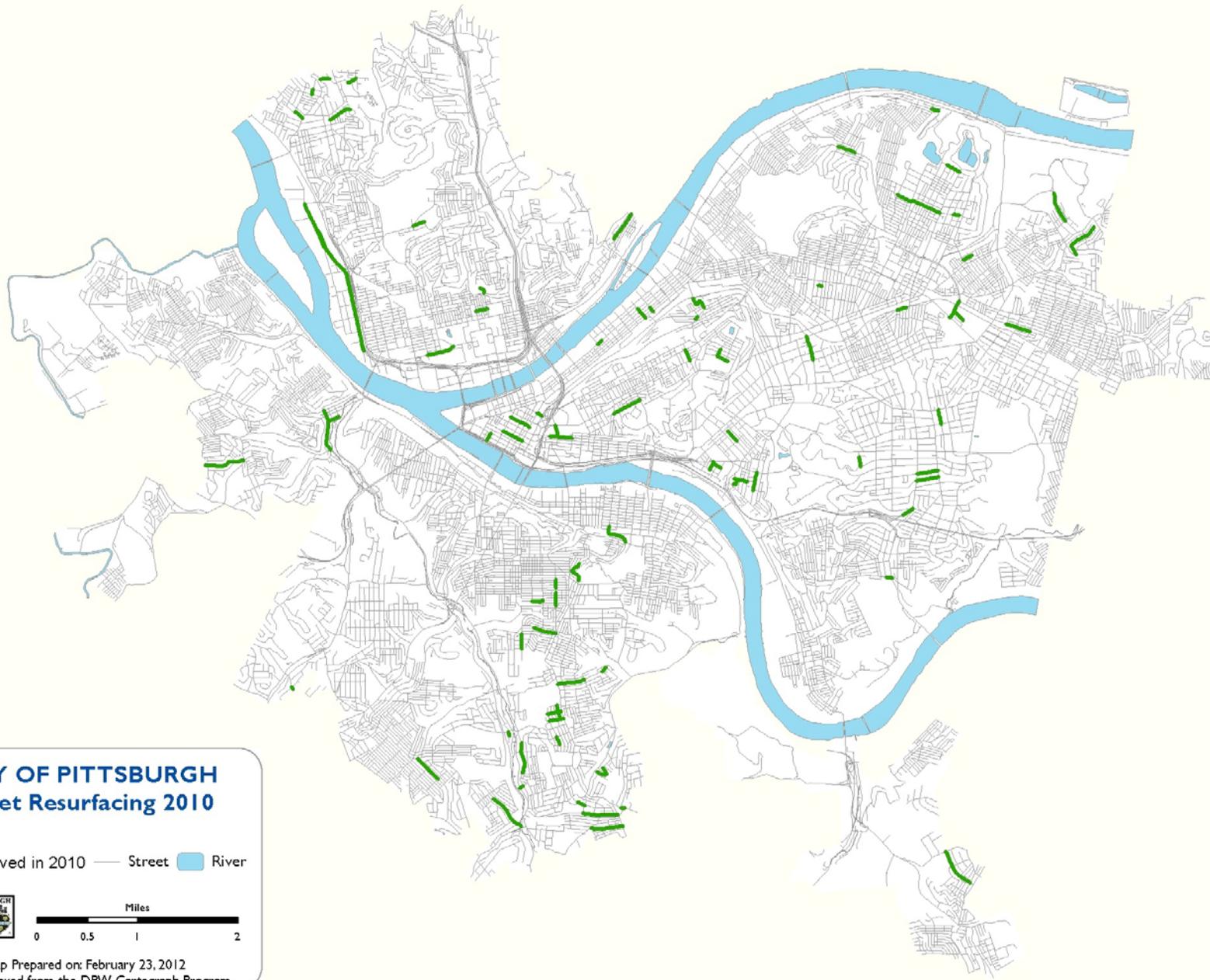


**CITY OF PITTSBURGH  
Street Resurfacing 2011**

— Paved in 2011 — Street — River



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



**CITY OF PITTSBURGH**  
**Street Resurfacing 2010**

— Paved in 2010 — Street — River



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