Traffic Signal Improvement Plan
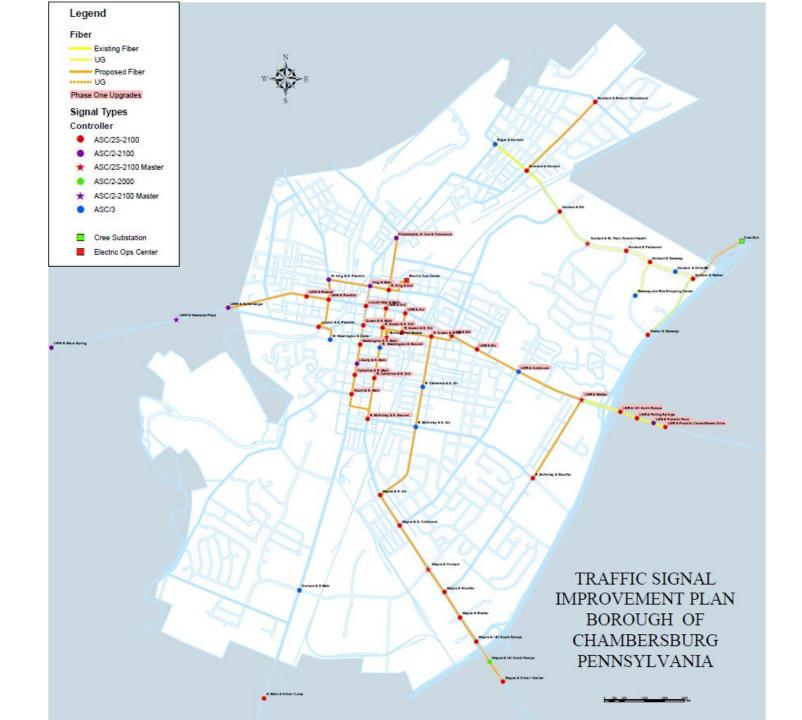

Franklin County Metropolitan Planning Organization
May 20, 2015

PLAN GOALS

Secure Congestion Mitigation and Air Quality (CMAQ) Improvement Program funds to upgrade Borough-managed traffic signal infrastructure by replacing copper wire with fiber optic wire, replacing outdated controller and communication equipment with uniform equipment and replacing outdated loop detection traffic sensors with radar detection traffic sensors. The plan impacts 66 street intersections in the Borough, Greene Township, Guilford Township, Hamilton Township and Peters Township.

Legend

Fiber
- Existing Fiber
- UG
- Proposed Fiber
- UG

Phase One Upgrades

Signal Types

Controller
- ● ASC/2S-2100
- ● ASC/2-2100
- ★ ASC/2S-2100 Master
- ● ASC/2-2000
- ★ ASC/2-2100 Master
- ● ASC/3

- ■ Cree Substation
- ■ Electric Ops Center

N W E S

TRAFFIC SIGNAL
IMPROVEMENT PLAN
BOROUGH OF
CHAMBERSBURG
PENNSYLVANIA

Cree Sub

Rowland & Roland / Woodstock
Ridge & Norland
Rowland & Norland
Norland & 6th
Norland & St. Paul / Summit Health
Norland & Parkwood
Norland & Gateway
Norland & Drive #5
Norland & Walker
Gateway and Rula Shopping Center
Walker & Gateway

Philadelphia, N. 2nd & Commerce
Mauzia Ops Center
W. King & N. Franklin
King & Main
N. King & 2nd
LWW & Federal
LWW & Franklin
LWW & Butterberger
Lincoln Way & Main
N. Queen & 2nd
LWW & 3rd
LWW & Warm Spring
Loudon & S. Franklin
Queen & N. Main
N. Queen & S. 2nd
N. Queen & S. 3rd
W. Washington & Center
Washington & S. Main
Rowe / Mail Master
N. Queen & S/SE & 5th
S. Washington & Second
LWW & 5th
Liberty & S. Main
LWW & Coldbrook
Catherine & S. Main
S. Catherine & S. 2nd
S. Catherine & S. 4th
LWW & Walker
LWW & I-81 North Ramps
South & S. Main
LWW & Falling Springs
LWW & Franklin Farm
LWW & Franklin Center/Sheetz Drive
S. McKinley & S. Second
S. McKinley & S. 4th
S. McKinley & Stouffer

Wayne & S. 4th
Wayne & S. Coldbrook
Orchard & S Main
Wayne & Orchard
Wayne & Stouffer
Wayne & Shatter
Wayne & I-81 South Ramps
Wayne & I-81 North Ramps
Wayne & Kriner / Garber
S. Main & Kriner / Loop

Route 30 and I-81 Ramps
(Guilford Township)

05/19/2015

WestSide
PLAZA
FOOD LION
DELI BAKERY
Liberty Tax
VIP NAILS & TANNING
Sprint
CHINA ONE

05/19/2015

Route 30 and Westside Plaza
(Hamilton Township)

LEFT TURN
YIELD
ON GREEN

NO
TURN
ON RED

S. Coldbrook Ave N.

H
HOSPITAL

05/19/2015

Route 30 and Coldbrook Avenue

(Borough of Chambersburg)

ESTIMATED COST

Phase	Controller and Cabinet Replacement Cost + E-Switch	Wavetronix Radar Detection Cost	Fiber Optic Wire	Central Software, Servers and Work Stations	TOTAL
1	$328,000	$820,000	$466,960	$250,000	**$1,864,960**
2	$306,000	$1,330,000	$0	$200,000	**$1,836,000**
TOTAL	**$634,000**	**$2,150,000**	**$466,960**	**$450,000**	**$3,700,960**

Borough of Chambersburg

A full service municipality in Franklin County
celebrating over 65 years of consumer owned natural gas service
over 120 years of community electric and a
regional wastewater, water, and municipal solid waste utility

FOR IMMEDIATE RELEASE

CHAMBERSBURG RECEIVES MAJOR FEDERAL FUNDS FOR CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROJECT

A Significant Upgrade Project for the Borough's Traffic Signal Network

Chambersburg – On November 4, 2015, the Borough of Chambersburg received a notice of award for Federal funding in the amount of $4.15 million dollars from the Pennsylvania Department of Transportation. This grant will be used to pay 100% of an upgrade to the traffic signal system around Chambersburg using the Congestion Mitigation and Air Quality Improvement Grant funding.

The grant will pay for the upgrade of hardware associated with interconnection of traffic signals within the Borough of Chambersburg as well as several traffic signals on the Chambersburg network in neighboring townships.

"We are simply delighted that PennDOT, our municipal partners, and the Borough have forged such a strong working relationship" stated G. Bryan Salzmann, Borough Solicitor, who assisted in obtaining the funding and will be working to coordinate the project. "The size of the award and the faith that everyone has shown in Borough management and staff to complete such a complex project speaks volumes about Borough competency."

President of Council Allen Coffman echoed those statements: "Borough Council has been working diligently for many years to improve our valued relationships with our surrounding neighbors; as well as federal and state agencies. The Borough looks forward to its role in working on this important congestion mitigation and air quality project to help improve the physical infrastructure of our traffic signal network within the Borough and beyond our boundaries."

"From preliminary design to final and through completion of construction, the Borough's utility departments and administrative staff will be ready to roll up their sleeves and complete yet-another important infrastructure project" said Jeffrey Stonehill, Borough Manager. "We are thankful that the Pennsylvania Department of Transportation, the Federal Highway Administration and the Federal Transit Administration, feel confident in our ability to get this job done."

Preliminary design will begin in early 2016 and the project is on a 2016-2017 construction timetable.

The Borough's Traffic Signal Improvement Plan is available from the Borough Secretary. Please contact jwright@chambersburgpa.gov for a copy.

Please send any questions or comments to Jeffrey Stonehill, Borough Manager, at jstonehill@chambersburgpa.gov

---

Chambersburg is a unique community. Pennsylvania's only municipal natural gas utility, owned and operated by the citizens of the Borough; Chambersburg is also Pennsylvania's largest municipal electric utility, and the only one that owns and operates generation stations. Chambersburg provides natural gas, electricity, water, sewer, parking and trash for the residents and businesses throughout most of the Borough. Under local control, rates, policies, etc., that are decided locally by the Chambersburg Town Council. Chambersburg currently has 20,360 residents (2012). www.chambersburgpa.gov