Newburgh Town Council Public Hearing
Date: Wednesday, October 14, 2015

Public Hearing: State Revolving Fund, Multi Project Preliminary Engineering Report, Newburgh Town Hall, 23 W. Jennings, Newburgh, Indiana.

CALL TO ORDER
Council President William F. Kavanaugh called the Public Hearing to order at 5:17 p.m.

ROLL CALL
Roll was called in the public hearing for the 2016 budget; all council members remain present.

NEW BUSINESS
1. State Revolving Fund, Multi Project Preliminary Engineering Report
MOTION by Mrs. McGuire to open the public hearing on the State Revolving Fund, Multi Project Preliminary Engineering Report.
SECOND by Mrs. Hughes.
MOTION carried: ayes 5, nays 0.

Mr. Hynes presented the wastewater collection system project which will provide sanitary sewer service improvements for five (5) different projects: Deaconess Lift Station and Force Main Rehabilitation; Kingston Lift Station Elimination; Halston Force Main Replacement; Halston Gravity Sewer Main Extension; and, Lincoln Avenue Widening, Phase III Sanitary Sewer Relocation. The project will be funded through a Wastewater State Revolving Fund loan. The presentation is included with the minutes.

Citizens present had no questions.

MOTION by Mrs. Hughes to close the Public Hearing on the State Revolving Fund, Multi Project Preliminary Engineering Report.
SECOND by Mrs. McGuire.
DISCUSSION: None
MOTION carried: ayes 5, nays 0.

The meeting was adjourned at 5:44 p.m.

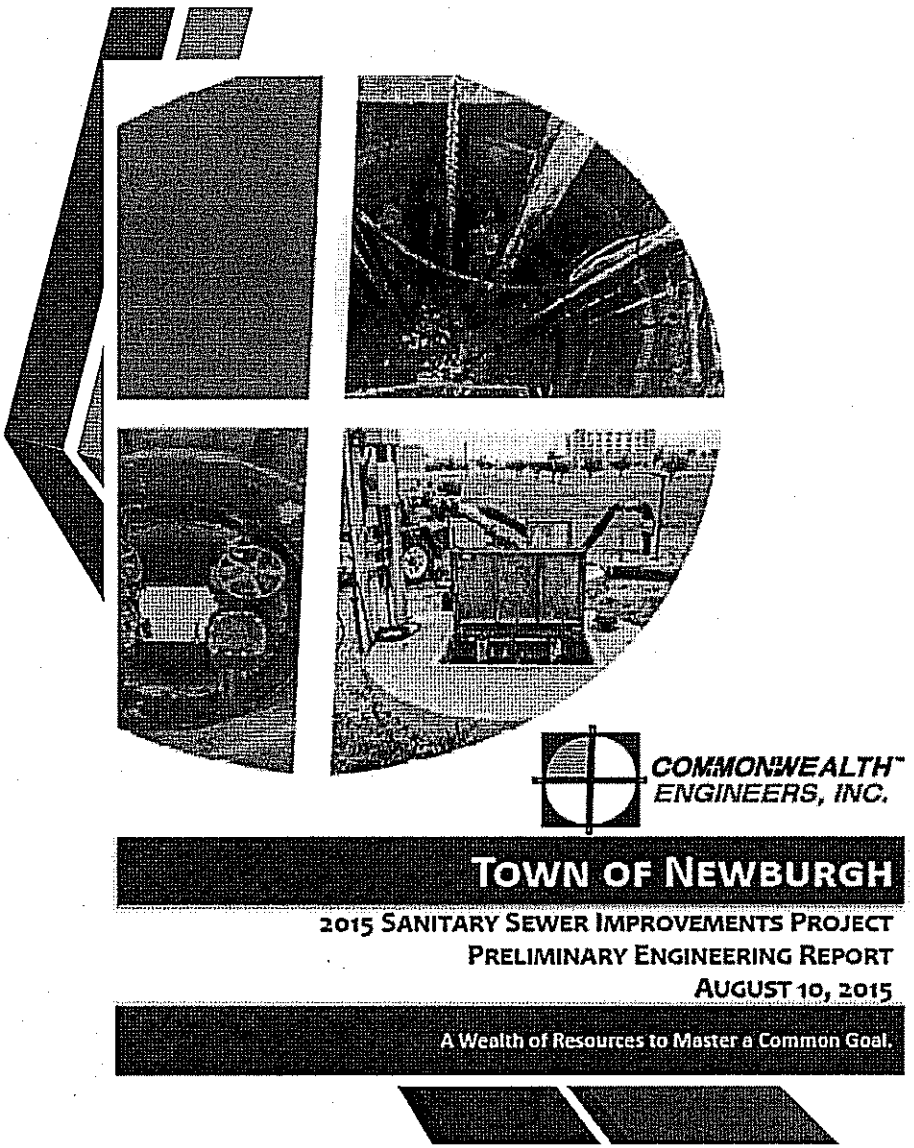
APPROVED this 28 day of October, 2015.

Newburgh Town Council

W. F. Kavanaugh
President

ATTEST:

Jon Rylander
Clerk-Treasurer



PUBLIC HEARING

OCTOBER 14, 2015

TOWN OF NEWBURGH

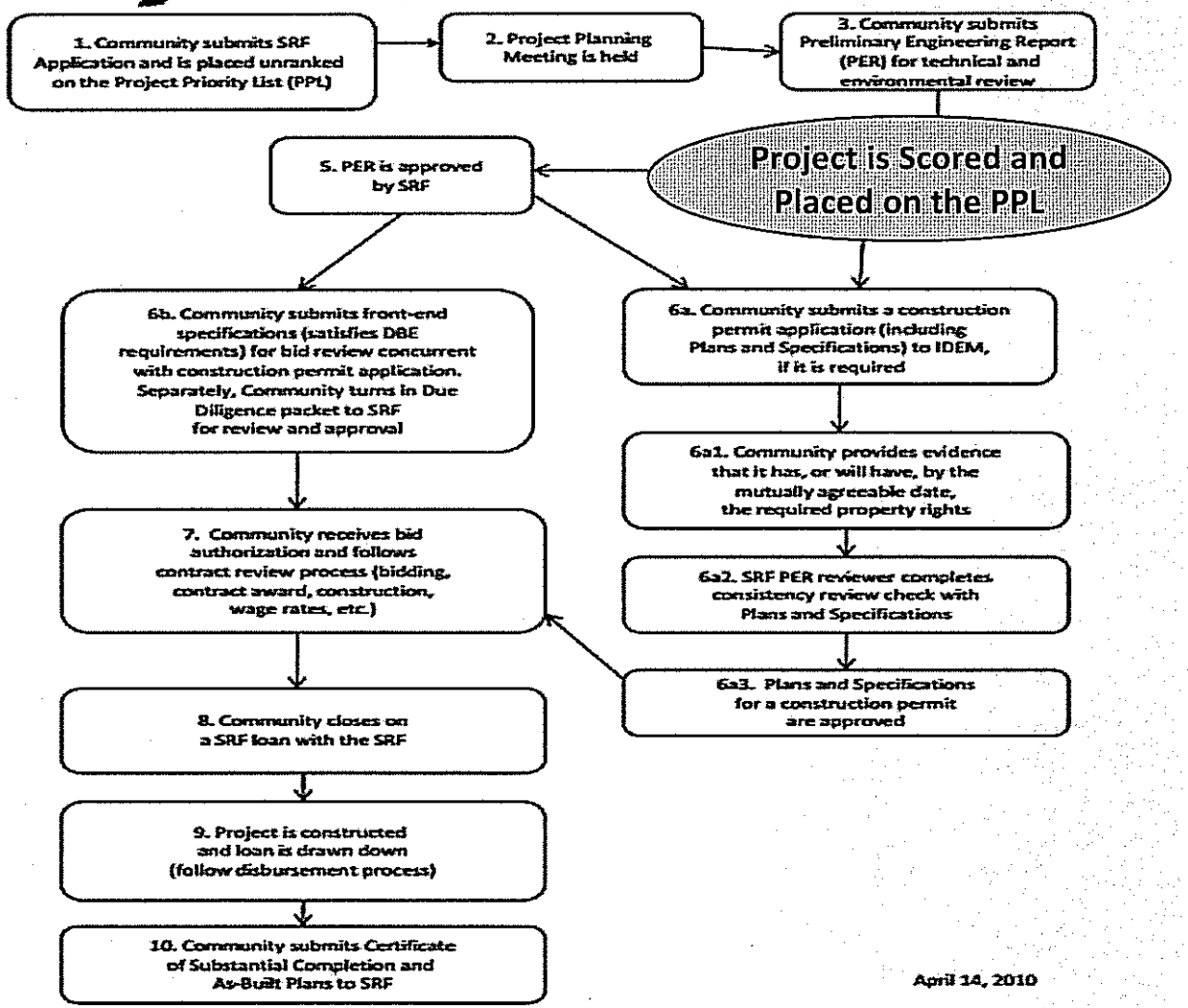
PRELIMINARY ENGINEERING REPORT

THE WASTE WATER STATE REVOLVING FUND LOAN PROGRAM

PROJECT:

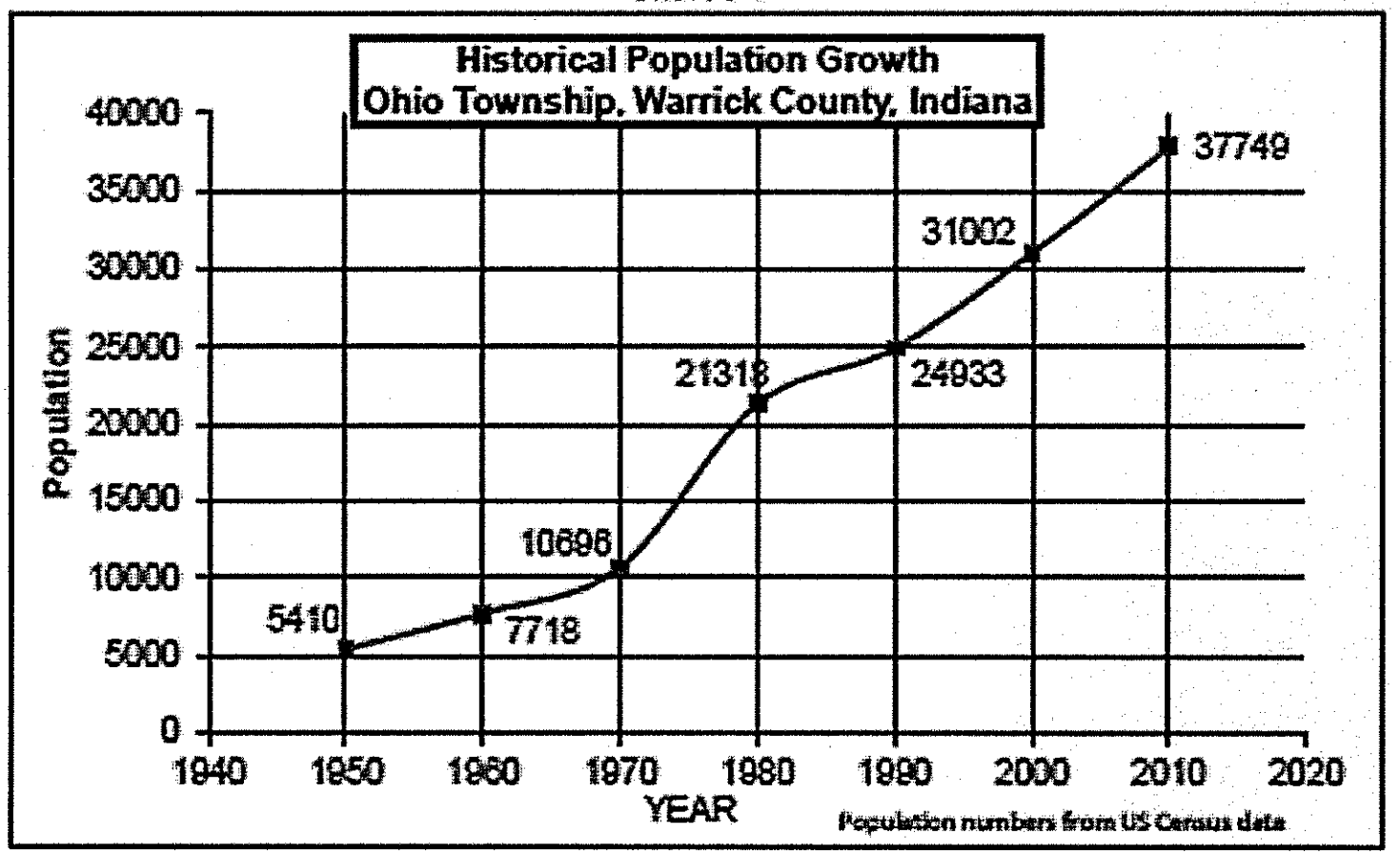
2015 SANITARY SEWER IMPROVEMENTS PROJECT

STATE REVOLVING FUND LOAN PROGRAM PROCESS



April 14, 2010

Chart 3-1



- NEARLY 700% INCREASE IN POPULATION FROM 1950 TO 2010 OR
- AVERAGE 12% INCREASE IN POPULATION OVER A 60 YEAR PERIOD

HISTORY

- The original circa 1950's WWTP was centrally located at the west end of Water Street within the Town limits.
- Nearly all of the system was within the Town's corporate limits.
- Many components of the Old Town system were built many years prior to the addition of the WWTP in the 1950's.
- Part of the original system continues to be used today.
- Up until the mid 1980's, the system continued to expand at a steady pace with minimal construction standards and construction oversight of the developing system
- Today, the OLD system (PRE 1990's) is in need of millions of dollars in rehabilitation because of the use of inferior materials and construction work.

HISTORY CONT'D

- This rehab work and costs for the repairs will continue for decades
- Enforcement action was taken against the Town by the US EPA in the late 1990's because of excessive I/I in the system resulting sanitary sewer overflows (SSO's)
- Newburgh's Capacity Management Operations and Maintenance Plan (CMOM) was prepared and submitted to the US EPA in 2002 (updated in 2005) to comply with the terms of the pending consent decree
- In 2005, the Town of Newburgh entered into a consent decree with the US EPA
- Numerous collection system projects have resulted from this federal enforcement action and will continue for years to come

PLANNING

STEADY GROWTH MANDATES STRONG CAPACITY MANAGEMENT

THE NEED TO MANAGE GROWTH IN THE SYSTEM MUST BE AT THE FOREFRONT

- GROWTH MANAGEMENT IS ACHIEVED THROUGH IMPLEMENTATION OF ANNUAL PLANNING EFFORTS
  - PRIORITIZATION OF CAPITAL IMPROVEMENT PROJECTS
  - SYSTEM INVENTORY AND MAPPING
  - SANITARY SEWER MODELING NEEDED TO STRESS THE SYSTEM TO CHECK AVAILABLE CAPACITY
  - SANITARY SEWER DESIGN AND CONSTRUCTION STANDARDS IN EFFECT SINCE 1987
    - STANDARDS HAVE EVOLVED TO STAY CURRENT WITH NEEDS OF THE SYTEM

PLANNING CONT'D

- CAPACITY MANAGEMENT OPERATIONS AND MAINTENANCE PLAN (CMOM)
  - MASTER PLANNING ON A YEARLY BASIS
  - PROJECTS ARE REPRIORITIZED EVERY YEAR
  - YEARS' ACCOMPLISHMENTS ARE REPORTED

CURRENT PROJECTS

- THE HISTORICAL EVENTS HAVE ALL CULMENATED INTO THE NEED TO ADDRESS SHORTCOMINGS IN THE SYSTEM
- THE FOLLOWING FIVE PROJECTS ARE NEEDED TO MANAGE CAPACITY OF THE SYSTEM AND PROVIDE FOR ROADWAY WIDENING PROJECTS IN OHIO TOWNSHIP

OVERVIEW OF PROJECTS

- **Deaconess Lift Station and Force Main Rehabilitation Project**

  - Replaces the existing lift station and force main to better accommodate existing and future flows from the Deaconess/Gateway Hospital Complex and surrounding service area.
  - The new Deaconess force main will discharge to a new gravity sewer, which will then discharge into the Halston Gravity Sewer Main Extension.
  - An existing manhole that is a source of significant I&I will also be replaced.

OVERVIEW OF PROJECTS

- **Halston Force Main Replacement Project**

  - Includes the installation of a force main and lift station site improvements.
  - The proposed force main will direct flows into a different area of the collection system than the existing force main.
  - The project includes the installation of approximately 3,900 feet of 8-inch diameter force main from the existing Halston Manor L.S.
  - The effluent ultimately flows to the Newburgh Master Lift Station constructed in 2006 as a joint effort with the Town of Newburgh and Warrick County

OVERVIEW OF PROJECTS

- **Halston Gravity Sewer Main Extension Project**

  - This project is necessary to provide capacity for the redirection of the Halston FM, redirection of the Deaconess FM, and handle flows from future development.
  - Flows from the Halston GS project will be transported north, via an existing 18" gravity sewer, to the MLS

OVERVIEW OF PROJECTS

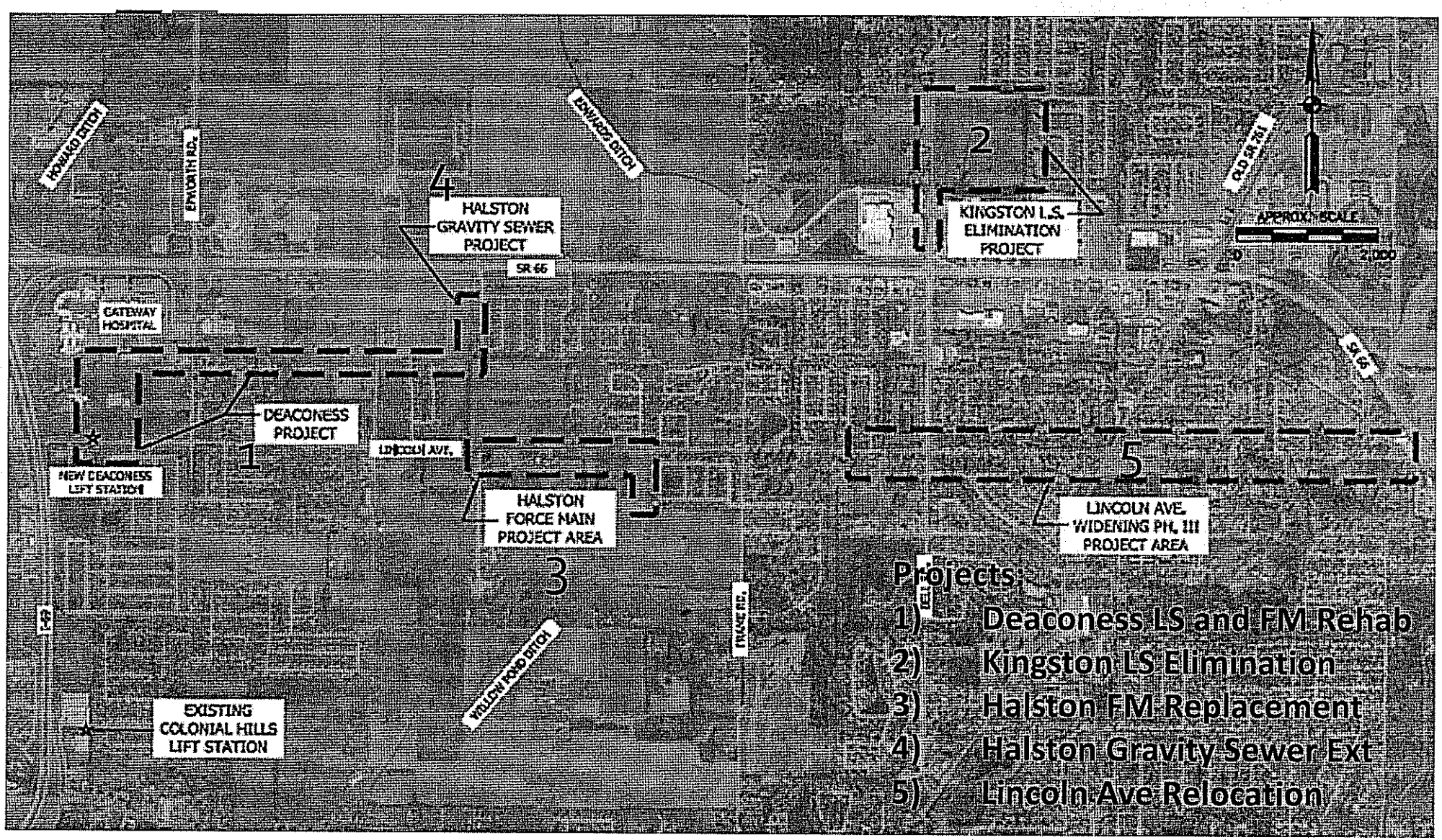
- **Kingston Lift Station Elimination Project**

  - Installation of a new gravity sewer from the Kingston L.S. to the Triple Crown L.S.
  - The new sewer allows elimination of the aging Kingston L.S. (1990), which is reaching its rated capacity
  - Eliminating the station also reduces future energy and maintenance costs.
  - Accommodations were considered in the design of the Master Lift Station (2006) for the future elimination of the Kingston L.S.

OVERVIEW OF PROJECTS

- **Lincoln Ave. Widening, Phase III Sanitary Sewer Relocation Project**

  - This project involves relocating portions of the sanitary sewer for Phase III road reconstruction of Lincoln Avenue.
  - The Phase III reconstruction limits are from Bell Road to Lenn Road.
  - The road reconstruction is set to take place in the fall of 2016.
  - Utilities are typically relocated in advance of the roadwork to minimize construction impact and delays.


HOWARD DITCH
EPWORTH RD.
EDWARDS DITCH
4
HALSTON GRAVITY SEWER PROJECT
SR 66
2
KINGSTON L.S. ELIMINATION PROJECT
OLD SR 761
APPROX. SCALE
0
2,000
GATEWAY HOSPITAL
DEACONESS PROJECT
1
NEW DEACONESS LIFT STATION
LINCOLN AVE.
HALSTON FORCE MAIN PROJECT AREA
3
5
LINCOLN AVE. WIDENING PH. III PROJECT AREA
WILLOW POND DITCH
FRANCE RD.
EXISTING COLONIAL HILLS LIFT STATION
Projects:
1) Deaconess LS and FM Rehab
2) Kingston LS Elimination
3) Halston FM Replacement
4) Halston Gravity Sewer Ext
5) Lincoln Ave Relocation

PROJECT COSTS

PROJECT	CONSTRUCTION COST	PROJECT COST
Deaconess L.S.	$ 1,685,000	$ 2,223,120
Kingston L.S. Elimination	$ 1,082,220	$1,479,442
Halston Force Main	$ 432,000	$ 707,300
Halston GS Extension	$ 296,585	$ 384,500
Lincoln Ave. Relocations	$ 661,440	$ 1,020,284
TOTAL	**$4,102,245**	**$5,754,146**

ESTIMATED PROJECT SCHEDULE

MILESTONE	ESTIMATED DATE
Submit PER to IDEM Compliance Section	August 2015
Complete Lift Station/Force Main/Gravity Sewer Design	October 2015
Submit Plans & Specifications to IDEM	November 2015
Public Hearings	September 2015
Begin Bond Initiation Process	November 2015
PER Approval	November 2015
Issuance of IDEM Construction Permits	December 2015
Advertise for Bids	January 2016
Receipt of Bids	February 2016
SRF Funding Complete	March 2016
Completion of Financing & Issuance of Notice to Proceed	March 2016
Substantial Completion of Construction	December 2016
Initiation of Operation/Completion	January 2017
One Year Performance Certification Date	January 2018

BOND ANTICIPATION NOTE (BAN)

- There are Two BAN Projects
  - Kingston LS Elimination
  - Halston Gravity Sewer Project

LAND ACQUISITION FOR EASEMENTS

- All **Five** projects require easement acquisition
  - The BAN projects will be completed first
    - Start date is anticipated to be as early as December 2015
  - The remaining three projects will begin construction in the spring of 2016

QUESTIONS / COMMENTS

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