



Welcome to the Engineering Solutions Team Holiday 2014 Newsletter.

Welcome to all.

Hope that all Clients, Family, and Friends enjoy a Very Merry Christmas and Most Happy New Year.

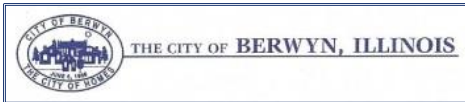
As we all plan our Year 2015; this Newsletter is a summary on what we have been working on over the last several months. If you have questions or seek assistance, please do not hesitate to contact us. Thank you. Edward Kalina.

Status Reports: The following is the Current Status of the Recently Completed or Active **Engineering Solutions Team** Assignments:



Remove and Replace the Generator at the Apple Orchard Lift Station:

VOLT Electric, completed the installation of the new Kohler Generator at the Apple Orchard Lift Station during the summer of 2014. The Project was completed both On-Time and On-Budget.



HVAC Improvements at Harlem & Oak Park Ave. Depots:

Upon completion of Design Engineering; the City of Berwyn contracted with Engineering Solutions Team to deliver full Construction Engineering Services. The City then contracted with Martin-Aire to perform the HVAC Improvements at the "Berwyn" and Harlem Avenue Stations. The Scope included:

- Demo existing furnace and all associated ductwork and flues.
- Demo existing air conditioning unit and all associated ductwork.
- Provide and install new air handling unit and associated supports, ductwork, louvers, grilles, etc. per plans.
- Provide and install new ductless split system and all associated condensate drain piping, supports, etc. per plan.
- Demo existing electrical connection to existing furnace and air conditioning unit.
- Provide and install new electrical connection to new air handling unit and ductless split system. Provide and install all supports, wiring, conduit, branch circuit breakers and misc. items for a complete installation per plans.

The Project was completed both On-Time and On-Budget. Project was funded with an FTA Grant and administered through METRA.

Masonry Remediation & Roof Maintenance at the Harlem Ave. & Oak Park Ave. Depots:

Upon completion of Design Engineering; the City of Berwyn contracted with Engineering Solutions Team to deliver full Construction Engineering Services. The City then contracted with Grove Masonry Maintenance, Inc. to perform the described Building Improvements at the "Berwyn" and Harlem Avenue Stations. Improvements at the "Berwyn" Station included: Reconstructed Brick Platforms, New Slate Tile Roofing, New Copper Gutters and Downspouts, New Limestone Block Walls and Full Tuck Pointing. Work at the Harlem Avenue Station included: Reconstructed Columns, Downspouts, and Full Tuck Pointing. Engineering Solutions Team was responsible to foster proactive communication with the City, Grove, METRA, BNSF, and IHPA. The Construction was funded by an FTA Grant administered by METRA. The "Berwyn" Station is classified as a Historic Building. The Construction was completed both On-Time and On-Budget.



Recent Solutions



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The Project Site: MoT and Safety were the **TOP** Priority



Reconstruction of the Brick Platform at the "Berwyn" Station



Installation of New Roof Slate Tiles and Copper Gutters at the "Berwyn" Station



Installation of New Limestone Block at the "Berwyn" Station



Addressing the IHPA Submittal and Construction Requirements



Reconstructing the Columns at the Harlem Avenue Station



Recent Solutions



The 2014 Miscellaneous Concrete Repairs Program:

Upon completion of Design Engineering; the College of DuPage contracted with Engineering Solutions Team to deliver Construction Engineering Services. COD then contracted with Patriot Paving; to perform the Concrete Reconstruction at all 62 Described Sites for Improvement. Engineering Solutions Team was responsible for all inspection, material testing, documentation and approval of pay requests. The Construction was completed both On-Time and On-Budget.



June 2014 Construction



June 2014 Construction

DOWNERS GROVE SANITARY DISTRICT
Providing a Better Environment for
South Central DuPage County

The Design of Clean-Out Structure and Hardware:

Construction of the New Clean-Out Structure is complete. Engineering Solutions Team designed a 15' x '8' x 12'; that encapsulated the 2-6" Sewer Mains. The system also included 6 custom made ball valves. Construction has been completed utilizing in-house and work-order forces. The Clean-Out Structure is now operating as originally intended.



The Storm Water Improvement Program:

Look for Coming Article in the APWA Reporter [January 2015 is the anticipated edition] explaining the Glen Ellyn Public Library Project in Detail.



Sherrill Road – Easement Negotiations:

Engineering Solutions Team was assigned to negotiate 9 Agricultural Easements and Residential Easements. All 9 Easements have been successfully negotiated on behalf of the County.



Recent Solutions



City of
JOLIET

ROCK 1, ROCK 2, & ROCK 3: R & R Well House Roof Structures:

Upon completion of Design Engineering; the City of Joliet contracted with Engineering Solutions Team to deliver full Construction Engineering Services. The City then contracted with Adler Roofing to perform all Building Improvements at ROCK 1, ROCK 2 and ROCK 3. The Scope included:

- Demo and remove the existing Roof Structures. Proposed Roofs will be constructed with timber truss systems.
- Demo and remove the removable hatch and the garage doors. Proposed Removable Hatches and Removable Panels will be constructed and supplied by STRONGWELL. The product is a lightweight structural and insulated material.
- Demo and remove all doors. Proposed doors will be supplied by CECO. The proposed doors will be metal and insulated doors and frames.
- The existing masonry block walls will be cleaned and prepped and finished with a Dry-Vit like compound.
- Interior Improvements include; drywall, electrical and painting.

The Project was completed both On-Time and On-Budget.



ROCK 2: Before



ROCK 2: After



ROCK 2: During



ROCK 2: During



Recent Solutions



Reconstruct the Roof of the Salt Shed Facility:

The Village of Villa Park has struggled with the condition of the roof of its Salt Shed for a couple years. There had been difficulty in moving forward due to conflicting funding options and consternation over the most cost-effective solution versus the most affordable solution. On September 18, the Village retained Engineering Solutions Team as the Construction Manager to: remove and dispose of the existing metal roof, perform the necessary concrete repairs to the existing structure, and to supply and install a new fabric roof system. The deadline for completion was Thanksgiving. The Project proceeded as follows:

- Through RFP process; Phase 1 Excavation was retained to remove and dispose of the existing roof structure.
- Through RFP process; Complete Crete was retained to perform all required concrete repairs and improvements.
- Through RFP process; Brite-Span was retained to supply and erect the new fabric roof system.

The Salt Shed Roof was completed on November 26 and completed On-Budget.



The Salt Shed: Before



The Dilapidated Roof Structure



The Salt Shed: During



The Salt Shed: After



Recent Solutions



Wheaton Franciscan Healthcare

Project Close Out: LUST Incident # 20031205:

The Sisters received the letter of “No Further Remediation” Required from the IEPA in October of 2014. This letter successfully completed the assignment for Engineering Solutions Team.

Protecting Public Health - Preserving the Environment

WHEATON SANITARY DISTRICT

Northside Interceptor Sewer – Easement Negotiations:

The Engineering Study is complete and approved. The Independent Value Engineering Study is now complete and incorporated into the Final Project Approach. The District is now aggressively moving the program forward. For FY 2015 it is planned to complete the Engineering Design and complete all Easement Acquisitions.

Close:

Thank you for reading our newsletter. Hope that you found it to be interesting and/or enlightening. I look forward to hearing from you soon. We look forward to assisting you with your needs.

Hope that all enjoy a Wonderful Christmas Season, and good luck to you in 2015 with your Infrastructure Improvement Programs.

Edward Kalina, President
Engineering Solutions Team

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