



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

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Title: Final report of emergency for repair and structural lining of the Salt Creek No. 3 Intercepting Sewer, Emergency Contracts 12-900-01 and 12-900-02, total final amount of \$522,883.90.

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3/5/2015	1	Committee of the Whole	Recommended	Pass

TRANSMITTAL LETTER FOR BOARD MEETING OF MARCH 5, 2015

COMMITTEE ON MAINTENANCE AND OPERATIONS

Mr. David St. Pierre, Executive Director

Final report of emergency for repair and structural lining of the Salt Creek No. 3 Intercepting Sewer, Emergency Contracts 12-900-01 and 12-900-02, total final amount of \$522,883.90.

Dear Sir:

The District owns, operates and maintains a three and one-half foot by five foot interceptor known as the Salt Creek No. 3 Intercepting Sewer. This intercepting sewer (interceptor, hereinafter) was built approximately in the year 1928. The western-most part of this interceptor was rehabilitated in 2007 under Contract 01-188-2S. The entire interceptor has been designated for future rehabilitation.

A portion of the interceptor runs east to west under Jackson Avenue, in the Village of La Grange Park, Illinois, between Homestead Road and east of the Illinois Harbor Belt Railroad (IHBRR).

On February 10, 2012, an approximate six foot in diameter by seven foot deep sinkhole appeared inside the Village of La Grange Park Public Works Yard. It was determined that a hole in the above interceptor caused the sinkhole and District personnel repaired the hole.

On February 27 and 28, 2012, debris and soil from the sinkhole were cleared from the interceptor. During the clearing operations, District personnel discovered another hole in the interceptor east of the repaired hole. The bottom portion of the interceptor approximately the width of the sewer and five feet long was missing. On March 6, 2012, District personnel repaired this hole.

On March 23, 2012, the Indiana Harbor Belt Railway reported a sinkhole near their tracks and adjacent to recently completed repairs to the Salt Creek No. 3 Intercepting Sewer. Since repairs were performed recently

in the same vicinity, it was determined that the sewer has a continuous failure along the section directly underneath and adjacent to the railroad tracks, which required immediate structural repair to prevent collapse of the sewer. The railway sharply curtailed operations over the tracks pending completion of the repair.

The condition of the sewer was determined to be a safety hazard for railroad operation and a collapse would likely cause sewer backups which would endanger public health.

Two contractors were requested to provide cost proposals: one for sewer lining and one for soil stabilization. The preliminary cost estimate for the repairs was \$400,000.00.

At the Board Meeting of April 5, 2012, the Board of Commissioners declared an emergency for repair and structural lining of the Salt Creek No. 3 Intercepting Sewer and fixed the date on which the emergency was to terminate as May 31, 2012.

Under this authorization, two contracts were awarded to resolve this emergency.

Contract 12-900-01 was awarded to Insituform Technologies USA, LLC, to perform the sewer lining, in an amount of \$396,605.00. Contract 12-900-02 was awarded to Hayward Baker, Inc., to perform soil stabilization, in an amount of \$127,000.00.

It was subsequently determined that there would be an approximately four-week lead time to manufacture the structural liner. Therefore, it was likely that the work would not be completed until after the May 31, 2012, fixed termination date.

At the Board Meeting of May 3, 2012, the Board of Commissioners extended the date on which the emergency was to terminate from May 31, 2012, to August 31, 2012.

At the Board Meeting of October 4, 2012, the Board of Commissioners approved the authorization to amend the original emergency declaration Board Order of April 5, 2012, to include Emergency Contract 12-900-01. Work under both contracts was completed and the emergency was resolved in August 2012. The final adjusted award amounts were \$395,883.90 for the lining and \$127,000.00 for the soil stabilization and totaled \$522,883.90.

Requested, Manju P. Sharma, Director of Maintenance and Operations, AQ:SO'C:MAG:SAF:JK
Respectfully Submitted, Frank Avila, Chairman Committee on Maintenance and Operations
Disposition of this agenda item will be documented in the Board Meeting Minutes of the Board of Commissioners for March 5, 2015