



THE CITY OF NASHUA

Division of Public Works

Administration

"The Gate City"

Special Board of Public Works Meeting of June 7, 2016

Agenda - REVISED

A special meeting of the Board of Public Works is scheduled for Tuesday, June 7, 2016 at 5:30 p.m. at the Division of Public Works, Administration & Engineering offices, 9 Riverside Street, Nashua, NH 03062.

- I. Motion:** To approve the Agenda as presented.
- II. Public Comment**
- III. Administration**
 - A. Presentation:** City Arts of Nashua
 - B. Presentation:** Court House Oval
- IV. Engineering**
 - A. Motion:** To approve Change Order No. 2 for the Citywide Infiltration/Inflow Analysis to Wright-Pierce of Manchester, NH in an amount of \$23,709. Funding will be through: Department: 169 - Wastewater; Fund: Wastewater; Activity: Inflow and Infiltration.

City of Nashua, Public Works Division

To: Board of Public Works

Meeting Date: June 7, 2016

From: Stephen Dookran, P.E., City Engineer
Engineering Department

Re: Citywide Infiltration/Inflow Analysis
Change Order No. 2

A. Motion: To approve Change Order No. 2 for the Citywide Infiltration/Inflow Analysis to Wright-Pierce of Manchester, NH in an amount of \$23,709. Funding will be through:
Department: 169 - Wastewater; Fund: Wastewater; Activity: Inflow and Infiltration.

Discussion: On February 29, 2016, this board approved the Citywide Infiltration/Inflow Analysis to provide citywide metering of the sanitary sewer network for eight weeks during the spring season which typically has higher groundwater and wet weather events for the purpose of identifying extraneous infiltration and inflow (I/I) in the wastewater collection system. Data from the flow metering will identify sewer subareas with high infiltration and inflow and will allow the consultant to provide recommendations for further investigations and removal of I/I.

To get enough data to analyze, rainfall in amounts of a half inch or more is needed. During the eight week metering period which ended on May 27, 2016, only one rain event occurred that had one half inch of rain. For this reason, Change Order No. 1 for \$9,882 was issued extending the metering period for 14 days. While one additional rain event above one half inch has occurred, four rain events are needed for reliable results. This request for Change Order No.2 is to extend the metering period until July 1 to acquire the best results possible to complete the I/I analysis. The meters can be withdrawn prior to July 1 for a cost savings if the necessary rain events occur.

The total contract value with Change Order No. 1 is \$178,775. With Change Order No. 2, the total contract value is \$202,484.