# Agenda Item Executive Summary

**Title:** 2014 Sanitary Manhole Rehabilitation: Contract Award

**Presenter:** Steven M. Saunders, Director of Public Works/Village Engineer

**Agenda Date:** 10/21/2014

**Consent:** ☐ YES ☑ NO

☐ Ordinance
☐ Resolution
☑ Bid Authorization/Award
☐ Policy Direction
☐ Informational Only

**Item History:**

In 2013, the Village engaged Baxter & Woodman (B&W) to complete a detailed evaluation program in eight sanitary sewer basins that exhibit significant amounts of excess wet weather inflow and infiltration (I/I). The investigation included detailed inspections of 184 sanitary sewer manholes to identify defects that contribute an estimated 0.953 MGD to system I/I. 177 manholes were identified as having some defect needing repair. B&W developed detailed bid specifications to execute necessary repairs.

**Executive Summary:**

The proposed bid specifications included 2,040 vertical feet of interior manhole sealing, 60 replacement covers, and 5 internal chimney seals. Bid documents were obtained by 8 companies, and bids were opened on October 14 with the following results:

| Bidder | Bid Amount |
|---|---|
| National Power Rodding | $196,226.00 |
| Visu-Sewer | $236,166.75 |
| Kim Construction Co. | $249,340.00 |
| Advanced Underground Inspection | $294,475.00 |
| Kovilic Construction Co. | $682,500.00 |
| Infrastructure Technologies | Bid submitted after opening time |
| Front Range Environmental | Bid improperly labeled and not opened |

The engineer's estimate for this work was $329,400. National Power Rodding complied with all bid requirements and is a qualified contractor.

**Recommendation:**

Consider awarding a contract to National Power Rodding Corporation of Chicago, IL to complete the 2014 Sanitary Manhole Rehabilitation for $196,226.

**Attachments:**

Project Location Map

| MH No. | Depth, ft. | Inches of Rings | MH Dia., ft. | Replace Cover | Install Internal Chimney Seal | Interior Manhole Sealing (vert. ft.) |
|---|---|---|---|---|---|---|
| hs5-1 | 10.4 | 18 | 4 | | | X |
| hs5-2 | 9.9 | 20 | 3 | | | X |
| hs5-3 | 9.3 | 4 | 4 | | | X |
| hs5-3s | 7.8 | 16 | 4 | | | X |
| hs5-5 | 8.6 | 12 | 3 | | | X |
| hs5-6 | 8.6 | 21 | 4 | | | X |
| hs5-7 | 8.9 | 19 | 3 | | | X |
| hs5-7x | 8.8 | 3 | 5 | | X | |
| hs5-n | 9.3 | 4 | 3 | | X | |
| hs5-10 | 9.0 | 10 | 3 | | | X |
| hs5-11 | 8.9 | 19 | 3 | | | X |
| hs5-12 | 9.2 | 9 | 3 | | | X |
| hs5-20 | 6.9 | 4 | 4 | | | X |
| hs5-21 | 5.8 | 8 | 4 | | | X |
| hs5-22 | 9.9 | 9 | 4 | | | X |
| hs5-23 | 8.8 | 25 | 3 | | | X |
| hs5-24 | 9.2 | 3 | 3 | | | X |
| hs5-25 | 9.3 | 25 | 3 | | | X |
| hs5-26 | 8.1 | 5 | 4 | | X | |
| hs5-27 | 7.7 | 20 | 3 | | | X |
| hs5-35 | 11.0 | 8 | 4 | | | X |
| ir-1 | 17.8 | 7 | 4 | X | | X |
| ir-2 | 9.2 | 7 | 3 | | | X |
| ir-3 | 9.3 | 9 | 3 | | | X |
| ir-4 | 10.6 | 16 | 3 | | | X |
| ir-5 | 8.9 | 13 | 3 | | | X |
| ir-6 | 8.3 | 24 | 4 | | | X |
| ir-13 | 8.8 | 2 | 4 | | | X |
| ir-14 | 8.7 | 9 | 4 | X | | X |
| ir-23 | 6.1 | 14 | 4 | | | X |
| kp1-18 | 5.5 | 3 | 4 | | | X |
| kp1-19 | 5.0 | 2 | 4 | X | X | |
| kp1-20 | 5.6 | 17 | 4 | | | X |
| kp1-25 | 9.9 | 7 | 4 | | | X |
| kp1-26 | 9.7 | 11 | 4 | | | X |
| kp1-27 | 8.1 | 10 | 4 | | | X |
| kp1-28 | 7.7 | 2 | 4 | X | | X |
| kp1-29 | 7.7 | 14 | 4 | | | X |
| kp1-30 | 7.8 | 2 | 4 | | | X |
| kp1-31 | 7.7 | 25 | 4 | | | X |
| kp1-32 | 7.9 | 51 | 4 | | | X |
| kp1-33 | 7.6 | 45 | 4 | | | X |
| kp1-34 | 8.5 | 15 | 4 | | | X |
| kp1-37 | 7.8 | 12 | 4 | | | X |
| kp1-39 | 7.0 | 7 | 4 | | | X |
| kp1-40 | 7.5 | 3 | 4 | | | X |
| kp1-42 | 9.1 | 5 | 4 | | | X |
| kp1-43 | 7.8 | 21 | 4 | | | X |
| kp1-44 | 7.3 | 48 | 4 | | | X |
| kp1-45 | 7.4 | 23 | 4 | | | X |
| kp1-46 | 8.0 | 12 | 4 | | | X |
| kp1-46w | 7.4 | 8 | 3 | X | | X |
| kp2-3 | 11.2 | 13 | 4 | | | X |
| kp2-4 | 11.6 | 5 | 4 | | | X |
| kp2-5 | 9.5 | 3 | 4 | | | X |
| kp2-6 | 10.7 | 12 | 4 | | | X |
| kp2-7 | 9.1 | 52 | 4 | | | X |
| kp2-8 | 9.5 | 8 | 3 | | | X |
| kp2-9 | 10.1 | 8 | 4 | | | X |
| kp2-10 | 9.4 | 0 | 3 | X | | X |
| kp2-11 | 9.6 | 18 | 4 | | | X |
| kp2-12 | 9.3 | 11 | 4 | | | X |
| kp2-13 | 8.9 | 11 | 4 | | | X |
| kp2-14 | 8.2 | 9 | 4 | | | X |
| kp2-19 | 7.1 | 15 | 4 | | | X |
| kp2-20 | 8.9 | 9 | 4 | | | X |
| kp2-21 | 9.6 | 15 | 3 | X | | X |
| kp3-1 | 8.9 | 15 | 4 | | | X |
| kp3-2 | 9.1 | 8 | 4 | | | X |
| kp3-11 | 6.1 | 12 | 4 | X | | X |
| kp3-12 | 9.0 | 15 | 4 | | | X |
| kp3-13 | 9.1 | 9 | 4 | | | X |
| kp4-5 | 11.8 | 18 | 4 | | | X |
| kp4-16 | 4.9 | 0 | 4 | | | X |
| kp4-17 | 5.0 | 0 | 4 | | | X |
| kp4-18 | 6.7 | 0 | 4 | | | X |
| kp4-19 | 8.9 | 0 | 4 | | | X |
| kp4-20 | 11.5 | 0 | 4 | | | X |
| kp4-21 | 11.4 | 20 | 4 | | | X |
| kp4-22 | 7.5 | 32 | 3 | X | | X |
| ml-7 | 11.5 | 19 | 4 | | | X |
| ml-8 | 9.5 | 25 | 4 | | | X |
| ml-9 | 7.7 | 16 | 4 | | | X |
| ml-10 | 7.9 | 0 | 4 | | | X |
| ml-11 | 7.2 | 0 | 4 | X | | |
| ml-12 | 7.3 | 15 | 4 | | | X |
| ml-13 | 6.3 | 0 | 4 | | | X |
| ml-14 | 7.8 | 0 | 4 | | | X |
| ml-15 | 7.1 | 13 | 4 | | | X |
| ml-16 | 6.0 | 10 | 4 | | | X |
| ml-17 | 8.0 | 13 | 4 | | | X |
| ml-18 | 9.0 | 19 | 4 | | | X |
| ml-19 | 6.1 | 0 | 4 | X | | X |
| ml-20 | 8.5 | 0 | 4 | | | X |
| ml-21 | 10.5 | 15 | 4 | | | X |
| ml-22 | 21.5 | 10 | 4 | | | X |
| q-2 | 8.5 | 0 | 3 | X | | X |
| q-3 | 9.5 | 0 | 3 | X | | X |
| q-4 | 7.9 | 3 | 3 | X | | X |
| q-5 | 12.5 | 0 | 3 | X | | X |
| q-6 | 10.2 | 13 | 3 | | | X |
| q-7 | 10.2 | 14 | 3 | X | | X |
| q-8 | 8.3 | 17 | 3 | X | | X |
| q-9 | 7.2 | 0 | 3 | X | | X |
| q-x | 14.6 | 0 | 3 | | | X |
| r-1 | 19.5 | 0 | 3 | X | | X |
| r-2 | 13.3 | 0 | 3 | X | | X |
| r-3 | 11.7 | 4 | 3 | X | | X |
| r-4 | 10.0 | 14 | 3 | | | X |
| r-5 | 9.9 | 2 | 3 | X | | X |
| r-6 | 7.9 | 3 | 3 | | | X |
| r-7 | 8.1 | 16 | 3 | X | | X |
| r-8 | 15.3 | 10 | 3 | | | X |
| r-9 | 8.0 | 4 | 3 | | | X |
| r-10 | 16.2 | 9 | 3 | | | X |
| r-11 | 15.1 | 21 | 3 | | | X |
| r-12 | 7.4 | 13 | 3 | | | X |
| r-13 | 14.8 | 8 | 3 | X | | X |
| r-14 | 14.2 | 0 | 3 | X | | X |
| r-15 | 12.6 | 17 | 3 | | | X |
| r-16 | 9.3 | 2 | 3 | X | | X |
| r-17 | 8.2 | 0 | 3 | X | | X |
| r-18 | 7.6 | 0 | 3 | X | | X |
| r-19 | 12.2 | 0 | 4 | X | | X |
| r-20 | 12.3 | 0 | 4 | | | X |
| r-21 | 13.2 | 7 | 4 | X | | X |
| sdc-12 | 20.3 | 0 | 4 | X | | |
| t-2 | 15.0 | 0 | 3 | | | X |
| t-3 | 8.3 | 0 | 3 | X | | X |
| t-4 | 8.8 | 3 | 3 | | | X |
| t-5 | 15.1 | 0 | 3 | | | X |
| t-6 | 8.9 | 0 | 3 | | | X |
| t-7 | 7.7 | 6 | 3 | | | X |
| t-16 | 14.7 | 0 | 3 | X | | |
| t-17 | 14.6 | 21 | 3 | | | X |
| t-18 | 14.6 | 21 | 3 | | | X |
| t-19 | 13.9 | 20 | 3 | X | | X |
| t-20 | 13.9 | 25 | 3 | X | | X |
| t-21 | 11.2 | 5 | 3 | | | X |
| t-22 | 12.0 | 36 | 3 | X | | X |
| t-23 | 12.0 | 5 | 3 | X | | X |
| t-24 | 11.4 | 12 | 3 | | | X |
| t-25 | 11.0 | 24 | 3 | X | | X |
| t-26 | 9.8 | 15 | 3 | | | X |
| t-27 | 10.0 | 12 | 3 | X | | |
| t-28 | 8.7 | 11 | 3 | X | | |
| u-3 | 21.6 | 0 | 3 | X | | |
| u-5 | 20.4 | 10 | 3 | X | X | |
| u-6 | 19.6 | 12 | 3 | | | X |
| u-8 | 13.9 | 28 | 3 | X | | X |
| u-9 | 13.1 | 11 | 3 | X | | X |
| u-10 | 11.7 | 13 | 3 | X | | X |
| u-11 | 11.6 | 0 | 3 | | | X |
| u-22 | 17.8 | 0 | 3 | X | | X |
| u-23 | 17.8 | 3 | 3 | | | X |
| u-24 | 9.3 | 13 | 3 | X | | X |
| u-25 | 8.4 | 10 | 3 | | | X |
| u-27 | 17.5 | 10 | 3 | | | X |
| u-28 | 18.1 | 19 | 3 | X | | X |
| u-32 | 12.6 | 11 | 3 | | | X |
| u-32e | 12.0 | 0 | 3 | X | | X |
| u-33 | 19.1 | 20 | 3 | X | | X |
| u-34 | 8.7 | 0 | 3 | X | | X |
| u-35 | 18.6 | 3 | 3 | | | X |
| u-36 | 8.8 | 9 | 3 | X | | X |
| u-36s | 7.8 | 0 | 3 | X | | X |
| u-37 | 16.3 | 0 | 3 | X | | X |
| u-38 | 16.0 | 16 | 4 | | | X |
| u-46 | 11.3 | 0 | 4 | X | | X |
| u-47 | 15.5 | 18 | 4 | X | | X |
| u-48 | 14.8 | 6 | 4 | X | | X |
| u-49 | 13.0 | 11 | 4 | X | | X |
| u-50 | 9.5 | 20 | 4 | X | | X |
| w-4 | 3.0 | 8 | 3 | X | | |

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