

## LRB – FISCAL REVIEW SECTION ANALYSIS

**JUNE 22, 2005 AGENDA**

**ITEM 18, FILE 050267**

**ITEM 19, FILE 050268**

**PUBLIC IMPROVEMENTS COMMITTEE**

**Emma J. Stamps**

File No. 050267 is a resolution relative to acceptance and funding of a 2005 Infiltration and Inflow Demonstration Partnership Project grant (Downspout Disconnection and Catch Basin Flow Restrictor Installation) and authorizing and directing the proper City Officers to execute an Intergovernmental Cooperation Agreement between the City of Milwaukee and the Milwaukee Metropolitan Sewerage District regarding the grant. (DCD)

File No. 050268 is a resolution relative to acceptance and funding of a 2005 Infiltration and Inflow Demonstration Partnership Project grant (Footing Drain Disconnection) and authorizing and directing the proper City Officers to execute an Intergovernmental Cooperation Agreement between the City of Milwaukee and the Milwaukee Metropolitan Sewerage District regarding the grant. (DCD)

### **Background**

The 2005 Proposed Budget lists \$1,206,000 for a Flow Reduction Project, which provides for three separate pilot projects. The purpose is to reduce the amount of clear water flowing directly into sanitary and combined sewers. In 2005, all proposed capital projects in the DPW Sewer Maintenance Fund are financed using new borrowing, versus cash. Any debt service would affect budgets after 2005. These capital funded disconnection projects include:

- \$300,000 – Downspout in the Washington Park neighborhood for voluntary downspout disconnections – This pilot project will target 1,200 single and two-family residential buildings. In previous years, MMSD funded a similar Sewer Maintenance Fund administered pilot program where property owners in targeted areas received \$50 per downspout disconnected, with a maximum of \$100 per house.
- \$275,000 – Inlet Restrictors and Downspout Disconnection – The project calls for the installation of inlet restrictors in catch basins to reduce the rate of rainwater runoff entering into the combined sewers. The water is temporarily stored on the street (puddle) and gradually released into the sewers. If implemented, this pilot project is expected to result in increased street flooding and complaints by citizens during the first year.
- \$505,000 – Footing Drain Disconnections – This pilot project targets homes built before 1954 in one area of the Lincoln Creek watershed. Homeowners must voluntarily consent to have foundation footing drains disconnected from sanitary sewers.
- \$126,000 – Retrofit Control Flow/Flat Roof Drainage – This pilot calls for reducing the flow of water from flat roof buildings and, ultimately, the discharge flowing into the combined sewers to alleviate sewer over-flows on 125 city-owned buildings including libraries, police stations, fire stations, City Hall, DPW facilities, Health Department clinics, MPS schools, and Housing Authority properties and other residential and commercial buildings within the combined sewer area for which this retrofit technology

may also be feasible.

**Discussion**

1. The Milwaukee Metropolitan Sewerage District (MMSD) has agreed to enter into Intergovernmental Cooperation Agreements (ICAs) with the City and partially fund the Inlet Restrictors & Downspout Disconnection and Footing Draining Disconnection pilot projects through reimbursable, 50%-50%, matching grants.
2. According to the ICAs:
  - ◆ The City submits work plans outlining the scope of services, project deliverables, invoicing and other details necessary to coordinate the activities of the grant projects to the MMSD for approval.
  - ◆ Disconnection of foundation (foot) drains from the sanitary system will be done in conjunction with the installation of sump pumps to discharge the water to the storm sewer.
  - ◆ Each property owner in the foot drain pilot program will receive phone calls, mailers, and field contacts during the course of the project.
  - ◆ The City intends to pay for all of the construction costs of the foot drain pilot program, with no expenses to the homeowner. MMSD will reimburse aggregate eligible costs to the City for amounts up to the grantor shares.
  - ◆ Partially due to the labor intensity, “this is an expensive project for the City.” (paragraph 3, pg. 5)
  - ◆ Using ICA excerpts, the estimated project budgets are as follow:

Inlet Restrictors & Downspout Disconnection	Footing Draining Disconnection
\$75,000 – city labor costs	\$10,000 – flow monitoring
\$15,000 materials costs	\$10,000 – analysis and reporting
\$185,000 – contractor costs (includes \$40,000 for rebates to homeowners that perform their own disconnections, \$130,000 for pavement modifications, and \$15,000 for marketing)	\$23,000 – marketing
	\$2,000 – coordination
	\$500/disconnection – initial survey
	\$6,000/disconnection – construction
	\$500/disconnection – communications wth homeowners
<b>\$275,000 project total</b>	<b>\$500,000 project total (65 disconnections)</b>

3. Contractors may be selected by either requests for proposals or competitive bid processes.
4. These projects are to be completed by December 2006.
5. Per a DPW email (dated 6/21/05), if the Common Council authorizes acceptance of the MMSD grant funds, the department will have funds **above the amounts set up by the 2005 Capital Budget** (funded by GO borrowing), increasing the pilot budgets from \$275,000 to

\$412,500 and from \$505,000 to \$755,000. They further stated plans to either expand on the project areas or implement other measures to address infiltration and inflow using excess funds remaining based on initial project observations and results have not been formulated yet. Hence, the City's overall costs are uncertain.

### **Fiscal Impact**

1. Adoption of these files authorize the Department of Public Works, Infrastructure Services Division, Sewer Maintenance Fund to accept and fund two Milwaukee Metropolitan Sewerage District (MMSD) 2005 Infiltration and Inflow (I/I) Demonstration Partnership Project Grants in the amounts of \$250,000 (footing drain disconnection) and \$137,500 (downspout disconnection with catch basin flow restrictors). The City's grant match will come from 2005 Capital budget authority.
2. Expenditure authority for these grants requires further Common Council action.
3. Under the terms of the ICAs, the City could incur additional costs based on future DPW recommended changes to the pilot programs.

### **Other Information**

The final *Whereas* clause in File 050267 and File 050268 state that DPW-Infrastructure Services-SMF has committed funds for the entire cost of the projects (SM498050003 and SM498050001) per Common Council Resolution No. 041350, adopted on 2/22/05, however, no budget amounts are listed for these project accounts within the text of Resolution No. 041350.

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