



FLOSSMOOR

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Flooding Relief Discussion

May 6, 2024





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Background

- Decades-long flooding in the Village
- 2020 referendum
- Current proposal has some residents concerned and a divided board





Current Project Proposal: Heather Hill Detention Basin



Current Heather Hill Project Description

Construction of a storm sewer between the Flossmoor Road viaduct that runs south on Sterling Avenue to Maryland Avenue then south on Lawrence Crescent, ending at a naturalized detention basin adjacent to Heather Hill Elementary School. Project will take the risk of uncontrolled flooding from a high-traffic area and put it in a controlled environment.

Basin would be dry approximately 99% of the time, filled with tall grasses and plants, and enclosed with secured fencing.



Synopsis

COST ESTIMATES

- **\$7.8 million** (nearly \$4 million covered with grants already secured – the highest funded project seen by our engineers)

PROTECTION

- **10 years of protection for the viaduct**
- **10 years of protection for Berry Lane project area**

CHALLENGES

- **Resident concerns**



Alternative #1: Heather Hill Underground Basin



Heather Hill Underground Project Description

Construction of a storm sewer between the Flossmoor Road viaduct that runs south on Sterling Avenue to Maryland Avenue then south on Lawrence Crescent, ending at a detention basin adjacent to Heather Hill Elementary School, which is built underground in a concrete vault. Project would also help drainage issues on school site. Tennis courts could be rebuilt in their current location, per H-F Park District approval.



Synopsis

COST ESTIMATES

- **\$7.8 million** (nearly \$4 million covered with grants that will have to be renewed)
- **PLUS: \$2.5-\$4.4 million** (partial vs. completely underground)

PROTECTION

- **10 years of protection for the viaduct**
- **10 years of protection for Berry Lane project area**

CHALLENGES

- **New funding needed**
- **Renewal of grants**
- **Updating IG agreements**
- **Additional engineering fees**
- **Resident concerns (partial option)**



Alternative #2: South Commuter Lot Underground Basin



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South Commuter Lot Project Description

Construction of a storm sewer that connects to an underground basin beneath the Village-owned South Commuter Lot on Sterling Avenue — requires a pumping station and generator



Synopsis

COST ESTIMATES

- **\$12 million**, plus ongoing repair and replacement costs for pump station and generator

PROTECTION

- **10 years of flooding protection for the viaduct**

CHALLENGES

- **New funding needed**
- **Renewal of grants**
- **Ongoing pump station maintenance**
- **Additional engineering fees**
- **No help for Berry Lane area**



**Alternative #3:
Flossmoor Park Underground Basin**



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Flossmoor Park Project Description

Construction of a storm sewer that connects to an underground basin beneath the Homewood-Flossmoor Park District's Flossmoor Park — requires a pumping station and generator



Synopsis

COST ESTIMATES

- **\$12 million**, plus ongoing repair and replacement costs for pump station and generator

PROTECTION

- **10 years of flooding protection for the viaduct**

CHALLENGES

- **New funding needed**
- **Renewal of grants**
- **Additional engineering fees**
- **New IG agreement**
- **No help for Berry Lane area**
- **Impacts to Flossmoor Baseball & Softball**



**Alternative #4:
Abandon the Project**



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Abandon the Project

Abandon the Flossmoor Road Viaduct project and redirect already-awarded grants to other projects, if possible.



Synopsis

COST CONSIDERATIONS

- Loss of engineering fees already spent (\$200,000+)
- Potential loss of \$4 million in grants
- Additional funding for street rehabilitation program

PROTECTION

- 1 year of flooding protection for the viaduct

CHALLENGES

- Continuation of flooding problem threatens residential and business properties
- Risk losing already-awarded grant funds
- Uncontrolled storm water
- Public safety risk
- Loss of local economy



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Thank you

