

REFINEMENT OPTIONS – SCHEDULE

The current overall schedule for implementing sewer separation of multiple basins includes:

- Pre-design completed – Oct 2002
- RFP/select/award/NTP design consultants – Nov 2002 through Mar 2003 (5 months)
- Begin and complete design of sewer separation – Apr 2003 through Mar 2004 (12 months)
- Advertise/Award/NTP construction contracts – Apr 2004 through Sep 2004 (6months)
- Begin and complete construction – Sep 2004 through Aug 2007 (36 months) – provides about 60 days positive float against the CSO Consent Decree deadline of Nov 2007

The entire combined sewer area includes approximately 1,000,000 LF of sewer separation. The amount of sewer separation required under the refinement options is estimated at:

- Option 1 (27% Separation) = $0.27 \times 1,000,000 \text{ LF} = 270,000 \text{ LF}$ of sewer
- Option 2 (40% Separation) = $0.40 \times 1,000,000 \text{ LF} = 400,000 \text{ LF}$ of sewer
- Option 3 (50% Separation) = $0.50 \times 1,000,000 \text{ LF} = 500,000 \text{ LF}$ of sewer
- Option 4 (80% Separation) = $0.80 \times 1,000,000 \text{ LF} = 800,000 \text{ LF}$ of sewer

The amount of sewer separation that can be constructed within a 36-month (3.0 year) period is limited by several parameters:

- Anticipated construction rates
- Required number of construction crews operating in parallel, based on a “trunk and branch approach” that suggests the increasing number of crews must be brought on in a phased schedule
- Availability of construction resources
- Temporary construction impacts to residences, commercial establishment, and businesses

The PMT is completing this analysis, and offers the following preliminary opinions of schedule, based on work to date:

Refinement Options	Anticipated Level of Certainty for Completion by Consent Decree Deadline of Nov 2007	Anticipated Level of Temporary Construction Disruption	Schedule Ranking Best to Worst
Authorized CSO Remedial Measures Plan	High Certainty	Reasonable Disruption	
Refinement Option No. 1 (27% Separation)	High Certainty	Reasonable Disruption	1
Refinement Option No. 2 (40% Separation)	Reasonable Certainty	Reasonable Disruption	2
Refinement Option No. 3 (50% Separation)	Reasonable Certainty	Reasonable Disruption	3
Refinement Option No. 4 (80% Separation)	Need 3 rd party review	High Disruption	4
0% Separation (100% Tunnel / Treatment)	High Certainty	Lowest Disruption	0
100% Separation (Entire combined area)	No Certainty	Highest Disruption	5