

Wilde Lake Village Board

Dredging of Wilde Lake Community Presentation

September 17, 2008

1. Welcome
2. Progress of engineering efforts for Wilde Lake dredging
 - a. Engineer's review of all existing reports, drawings & site investigations
 - i. Floodplain data
 - ii. FEMA Maps
 - iii. Hydraulic Models
 - iv. Develop hydrodynamic model
 - b. Investigated permit requirements and made early contact with USACE, MDE, Howard Soil Conservation District, Howard County Dept Public Works, Dept Planning & Zoning
 - c. Bathymetric Survey
 - d. Field Sampling
 - e. Begin H&H Study, Dam Breach Analysis
 - f. Investigated dewatering and disposal options
 - g. Draft 30% data package
3. Discussion of Forebay & Project Goals
 - a. Staff recommendation – no forebay
 - i. Small watershed – approx 1237 (Elkhorn 2400 acres)
 - ii. Topography relatively flat/ gentle slopes in water shed slow velocity
 1. Normal flow: 11 cubic feet per second
 2. 100 year event: 1200 cubic feet per second
 - b. Restore lake to original design
 - c. Remove an additional (approx) 4,000 cy for increased storage capacity-changes from MAINT to NEW DESIGN. Permitting challenges.
 - d. Request VB to consider the “no forebay & restore to original conditions” as offered by Staff and issue recommendation.
4. Present dredging methodology challenges
 - a. Placement options
 - i. Efforts to locate placement site for “wet” & dewatered materials
 1. Public Utilities & State Agencies
 2. Local sand and gravel sites & companies
 3. Request for Expressions of Interest – Direct mailing to over 250 property owners with 50+continuous acres in Balt Co., Carroll, Howard & Frederick Cos.
 4. Investigated property acquisition
 5. Publically advertised
 - a. 15 newspapers
 - i. City & rural

- ii. Known locations for mechanically dewatered materials – Harford Co (topsoil recycle) Virginia (land reclamation)
 - iii. Known locations for wet materials – None confirmed.
 - b. Dredging options – cost implications
 - i. Mechanical
 - ii. Hydraulic
 - c. RFP – Plan and execute the dredging, dewatering and disposing
 - i. Solicit both mechanical and hydraulic dredging firms
 - ii. Evaluations
 - 1. Engineer
 - 2. PM Staff
 - 3. Procurement
 - iii. Short listed firms
 - 1. VB provide ranking based on proposed methodology and cost
 - 2. Presentation to CA BOD for final decision
 - iv. Timeline:
 - 1. RFP released 9/12/08
 - 2. Responses due 10/15/08
 - 3. Evaluation complete & narratives to VB 11/1/08
 - 4. Recommendations to BOD 12/08
 - 5. Commence design 12/08
 - 6. Submit for Permits 4/09
 - 7. Permits issued 9/09
5. Variables & Factors influencing costs
 - a. Preliminary estimate between 2-3 million
 - b. Oil / Diesel today vs. 2009. Dropped to \$91.00 / barrel this week!
 - c. Location / distance to DMP site